



ORKUSTOFNUN
Jarðhitadeild

**Listi yfir greinar í greinasafni
Guðmundar Pálmasonar**

OS-90029/JHD-14 B

Ágúst 1990



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Skýringar

Það safn greina, sem meðfylgjandi listi nær yfir, hefur orðið til á löngum tíma og endurspeglar öðru fremur áhugasvið safnanda. Þar sem listinn, og að einhverju leyti safnið sjálft, getur hugsanlega orðið fleirum að gagni er hann tekinn saman hér til takmarkaðrar dreifingar. Í safninu eru nú alls um 2100 greinar.

Upplýsingarnar eru í eftirtalinni röð: Höfundur (ar), ártal, titill, tímarit, blaðsíðatal, og að lokum innan sviga númer greinar í safni.

Í flestum tilvikum er haldið stafsetningu íslenskra nafna eins og hún er sett fram í greinum á erlendum málum. Þetta leiðir til nokkurs ósamræmis, t.d. í uppröðun eftir stafrófsröð höfunda, þar sem nöfn þeirra eru ekki alls staðar rituð eins. Úr þessu er ætlunin að bæta síðar.

Þeir sem skoða þennan lista eru beðnir að benda á villur sem kunna að hafa slæðst inn og þeir koma auga á. Þá eru einnig vel þegin ljósrit eða sérþrent af greinum sem einhverjir telja að eigi heima í þessu safni, en hafa ekki náð þangað enn.

Frumgögn listans eru geymd í gagnagrunni á Macintosh tölvu og haldið við þar.

10. ágúst 1990

Guðmundur Pálason

Listi yfir greinar í greinasafni Guðmundar Pálasonar pr. 10. ágúst 1990.

- . . Irkutsk Hydroelectric Station. State Production Committee on Power and Electrification of the USSR; 6 pp. (1942).
- , 1926. Um hagnýtingu hveraorku. Nefndarálit og tillögur samþyktar á fundi V.F.Í. 15.des.1926. Tímarit V.F.Í., v.11; 57-58. (1666).
- , 1979. Karte der Höhenänderungen in der Bundesrepublik Deutschland - Stand 1979. Sérkort; 1 pp. (2130).
- , 1981. Prospecting and utilization of the geothermal resources of Tianjin. Handrit; 33 pp. (1756).
- , 1982. Tectonics of Yarlung Zangbo suture zone Xizang (Tibet). - Guide to geological excursion. Geol.Bur.Xizang, Geol.Soc.Xizang, China; 53 pp + 2 maps. (1509).
- , 1983. Progress in geothermal studies in China. In:Nat.Rep. on Seismol.Phys.Earth's Int., IUGGG Gen.Ass.,Hamburg,1983; 41-49. (1832).
- , 1986. Icelandic rifting monitored using satellite geodesy: 353 baselines measured in 12 days by international GPS team. Lamont Newsletter 14; 8-7. (1689).
- , 1989. Saguenay and Armenia: Two major earthquakes set Lamont seismologists in strong motion. Lamont (newsletter), v.20; 1-2. (2048).
- , 1989. Spitak-88 International Seminar, Abstracts of reports. The Armenian SSR Academy of Sciences; 63 pp. (2063).
- 1973, 1984. Reykjanes Ridge: further analysis of crustal subsidence and time-transgressive basement topography. Earth Planet.Sci.Letters, v.68; 149-158. (1809).
- Aðalsteinsson, Ragnar, 1989. Um höfundarétt og arkitekta. Úlfliðtur, 1989; 5-15. (2146).
- Abbotts,I.L., 1979. Intrusive processes at ocean ridges: evidence from the sheeted dyke complex of Masirah, Oman. Tectonophysics,v.60; 217-233. (829).
- Abdallah,A., V.Courtillot, M.Kasser, A.-Y.Le Dain, J.-C.Lépine, B.Robineau, J.-C.Ruegg, P.Tappognier and A.Tarantola, 1979. Relevance of Afar seismicity and volcanism to the mechanics of accreting plate boundaries. Nature,v.282; 17-23. (804).
- Abrahamsen,N., 1967. Some paleomagnetic investigations in the Faroe Islands. Medd.Dansk Geol.Forening, v.17(3); 371-384. (412).
- Abrahamsen,N.,G.Schoenharting and M.Heinesen, 1984. Palaeomagnetism of the Vestmanna core and magnetic age and evolution of the Faeroe Islands. Ann.Societ.Sci.Færoensis,Suppl.IX; 93-108. (1355).

Adamson, A.C., . Chemistry of alteration minerals from Deep Sea Drilling Project sites 501, 504 and 505. Init.Repts.DSDP.(ed. J.R.Cann et al), v.69; 551-563. (1685).

Ahern,J.L. and D.L.Turcotte, 1979. Magma migration beneath an ocean ridge. Earth Planet.Sci.Letters,v.45; 115-122. (805).

Ahern,J.L.,D.L.Turcotte and E.R.Oxburgh, 1981. On the upward migration of an intrusion. J.Geol., v.89; 421-432. (1022).

Akaka, D.K., 1986. Total energy utilization: The next step in geothermal energy development. Geothermics, v.15; 391-394. (1657).

Albertsson,K.J., 1978. Um aldur jarðlaga á Tjörnesi (Some notes on the age of the Tjörnes strata sequence, northern Iceland). Náttúrufræðingurinn,v.48; 1-8.. (796).

Albertsson,K.J., 1980. K/Ar aldursákvarðanir - Hvað er það?. Náttúrufræðingurinn,v.7; 9-13. (931).

Albertsson,K.J. and J.Eiríksson, 1988. K/Ar ages of rocks from the Flatey borehole in the offshore Skjálfandi Basin, North Iceland. Jökull, v.38; 55-60. (2149).

Allard,P.,H.Tazieff and D.Dajlevic, 1979. Observations of seafloor spreading in Afar during the November 1978 fissure eruption. Nature,v.279; 30-33. (820).

Allen,G.W. and H.K.McCluer, 1975. Abatement of hydrogen sulfide emissions from the Geysers geothermal power plant. Second U.N. Symp. Dev. Use Geothermal Resources, San Francisco; 1313-1315. (2091).

Alt,D., J.M.Sears and D.W.Hyndman, 1988. Terrestrial maria: The origin of large basalt plateaus, hotspot tracks and spreading ridges. J.Geology, v.96; 647-662. (1980).

Alt.J.C.,J.Honnerez,C.Laverne and R.Emmermann, 1986. Hydrothermal alteration of a 1 km section through the upper oceanic crust Deep Sea Drilling Project Hole 504B: Mineralogy,chemistry, and evolution... J.Geophys.Research, v.91; 19309-10335. (1642).

Althaus,E.,H.J.Behr,F.W.Eder,F.Goerlich,D.Maronde and W.Ziegler, 1984. Kontinentales Tiefbohrprogramm("KTB") (Continental Deep Drilling Program) of the Federal Republic of Germany. Terra Cognita,v.4; 389-397. (1549).

Andal,G.A. and B.Yambao, 1953. Philippine volcanoes and solfataric areas. Commission on Volcanology, Manila; 35 pp. (1909).

Andersen,S.O., 1975. Environmental impacts of geothermal resource development on commercial agriculture: A case study of land use conflict. Second U.N. Symp. Dev. Use Geothermal Resources, San Francisco; 1317-1321. (2092).

Anderson,D.L., 1984. The earth as a planet: Paradigms and paradoxes. Science,v.223; 347-355. (1291).

Anderson,D.L., 1985. Hotspot magmas can form by fractionation and contamination of mid-ocean ridge basalts. Nature,v.318; 145-149. (1588).

Anderson,D.L., 1989. Where on earth is the crust ?. Physics Today, v.42; 38-46. (1998).

Anderson,R.N. and H.C.Noltimier, 1973. A model for the horst and graben structure of midocean ridge crests based upon spreading velocity and basalt delivery to the oceanic crust. Geophys.J.R.astr.Soc., v.34; 137-147. (56).

Anderson,R.N. et al., 1982. DSDP Hole 504B, the first reference section over 1 km through Layer 2 of the oceanic crust.. Nature,v.300; 589-594. (1209).

Andrews,J.N., W.G.Burgess, W.M.Edmunds, R.L.F.Kay and D.J.Lee, 1982. The thermal springs of Bath. Nature, v.298; 339-343. (1932).

Angenheister,G. et al., 1979. First results from the Reykjanes Ridge Iceland seismic project 1977. Nature,v.279; 56-60. (786).

Angenheister,G. et al., 1980. Reykjanes Ridge Iceland seismic experiment (RRISP). J.Geophysics, v.47; 228-238. (865).

Annertz,K.,M.Nilsson and G.E.Sigvaldason, 1985. The postglacial history of Dyngjufjöll. Nord.Volc.Inst.Report 8503; 29 pp. (1388).

Aref,H. and G.Tryggvason, 1984. Vortex dynamics of passive and active interfaces. Physica 12D; 59-70. (1434).

Ármannsson,H. and P.J.Ovenden, 1980. The use of dithizone extraction and atomic absorption spectrometry for the determination of silver and bismuth in rocks and sediments..... Intern.J.Environ.Anal.Chem.,v.8; 127-136. (1501).

Ármannsson,H.,G.Gíslason and T.Hauksson, 1982. Magmatic gases in well fluids aid the mapping of the flow pattern in a geothermal system. Geochim. Cosmochim.Acta,v.46; 167-177. (1080).

Ármannsson,H.,G.Gíslason and H.Torfason, 1986. Surface exploration of the Theistareykir high-temperature geothermal area, Iceland,with special reference to the application of geochemical methods. Appl.Geochem.,v.1; 47-64. (1570).

Ármannsson,H., Á.Guðmundsson and B.S.Steingrímsson, 1987. Exploration and development of the Krafla geothermal area. Jökull, v.37; 13-30. (1880).

Ármannsson,H., J.Benjamínsson and A.W.A.Jeffrey, 1989. Gas changes in the Krafla geothermal system, Iceland. Chem.Geol., v.76; 175-196. (2088).

Arnason,B., 1969. Equilibrium constant for the fractionation of deuterium between ice and water. J.Phys.Chemistry,v.73; 3491-3494. (1105).

Arnason,B. and Th.Sigurgeirsson, 1967. Hydrogen isotopes in hydrological studies in Iceland. Isotopes in Hydrology. IAEA, Vienna; 35-47. (1101).

Arnason,B. and Th.Sigurgeirsson, 1968. Deuterium content of water vapour and hydrogen in volcanic gas at Surtsey, Iceland. Geochim.Cosmochim.Acta,v.32; 807-813. (1103).

Arnason,B.,P.Theodorsson,S.Björnsson and K.Saemundsson, 1969. Hengill, a high temperature thermal area in Iceland. Bull.Volcanologique,v.33; 245-260. (381).

Arnórsson,S., 1970. The distribution of some trace elements in thermal waters in Iceland. Geothermics, v.2,P.1 (Spec.Issue 2); 542-546. (1104).

Arnórsson,S., 1975. Application of the silica geothermometer in low temperature hydrothermal areas in Iceland. Am.J.Sci., v.275; 763-784. (425).

Arnórsson,S., 1975. Geothermal energy in Iceland, utilization and environmental problems. Naturopa, No.23; 23-26. (1464).

Arnórsson,S., 1977. Changes in the chemistry of water and steam discharged from wells in the Námafjall geothermal field, Iceland, during the period 1970-1976. *Jökull*, v.27; 47-59. (1397).

Arnórsson,S., 1978. Precipitation of calcite from flashed geothermal waters in Iceland. *Contrib.Mineral.Petrol.*, v.66; 21-28. (1963).

Arnórsson,S., 1982. Ölkeldur á Íslandi. Í "Eldur í norðri", Sögufélagið, Reykjavík; 401-407. (1928).

Arnórsson,S., 1983. Chemical equilibria in Icelandic geothermal systems - implications for chemical geothermometry investigations. *Geothermics*, v.12; 119-128. (1784).

Arnórsson,S., 1984. Germanium in Icelandic geothermal systems. *Geochim.Cosmochim.Acta*,v.48; 2489-2502. (1428).

Arnórsson,S., 1985. The use of mixing models and chemical geothermometers for estimating underground temperatures in geothermal systems. *J.Volcanol.Geoth.Research*, v.23; 299-335. (1427).

Arnórsson,S., 1985. Gas pressures in geothermal systems. *Chem.Geology*,v.49; 319-328. (1429).

Arnórsson,S., 1985. The use of mixing models and chemical geothermometers for estimating underground temperatures in geothermal systems. *J.Volcanol.Geoth.Research*, v.23; 299-335. (1753).

Arnórsson,S. and E.Gunnlaugsson, 1985. New gas geothermometers for geothermal exploration - Calibration and application. *Geochim.Cosmochim.Acta*,v.49; 1307-1325. (1430).

Arnórsson,S. and G.Ívarsson, 1985. Molybdenum in Icelandic geothermal waters. *Contrib.Mineral.Petrol.*,v.90; 179-189. (1425).

Arnórsson,S. and I.Barnes, 1983. The nature of carbon dioxide waters in Snaefellsnes, western Iceland. *Geothermics*, v.12; 171-176. (1785).

Arnórsson,S.,E.Gunnlaugsson and H.Svavarsson, 1983. The chemistry of geothermal waters in Iceland. II. Mineral equilibria and independent variables controlling water compositions. *Geochim.Cosmochim.Acta*,v.47; 547-566. (1214).

Arnórsson,S.,E.Gunnlaugsson and H.Svavarsson, 1983. The chemistry of geothermal waters in Iceland. III. Chemical geothermometry in geothermal investigations. *Geochim.Cosmochim.Acta*,v.47; 567-577. (1215).

Arnórsson,S.,H.E.Hawkes and J.S.Tooms, 1967. Present-day formation of pyrite in hot springs in Iceland. *Trans.Sect.B Inst.Mining and Metallurgy*,v.76; B115-B117. (380).

Arnórsson,S.,J.Jónsson and J.Tómasson, 1969. General aspects of thermal activity in Iceland. XXIII International Geological Congress,v.18; 77-86. (465).

Arnórsson,S.,S.Sigurdsson and H.Svavarsson, 1982. The chemistry of geothermal waters in Iceland. I.Calculation of aqueous speciation from 0 degr.C to 370 degr.C. *Geochim.Cosmochim.Acta*,v.46; 1513-1532. (1097).

Aronson,J.L. and K.Saemundsson, 1975. Relatively old basalts from structurally high areas in central Iceland. *Earth Planet.Sci.Letters*,v.28; 83-97. (462).

Arp,A.J. and J.J.Childress, 1981. Blood function in the hydrothermal vent vestimentiferan tube worm. *Science*, v. 213; 342-344. (2124).

Artyushkov,Ye.V., 1972. The origin of large stresses in the Earth's crust. *Izv.,Earth Phys.*,No.8, 3-25; 501-513 (Engl.Ed.). (304).

Askelsson,J., 1946. A contribution to the geology of the Kerlingarfjöll. *Acta Nat.Islandica*,v.1(2); 1-15. (974).

Askelsson,J.,G.Bodvarsson,T.Einarsson,G.Kjartansson and S.Thorarinsson, 1960. On the Geology and Geophysics of Iceland. Guide to Excursion No A2.. International Geological Congress,XXI Session. Reykjavik,1960; 74 pp.. (278).

Aslanyan,A.T., M.P.Volarovich, A.I.Levykin, A.T.Beguni, A.V.Artunyan and L.S.Skvortsova, 1976. Elastic wave velocities in Armenian basic and ultrabasic rocks at high pressures. *Izv., Earth Physics*, No. 2, 1976; 30-38. (2126).

Atkinson,P.G.,R.Celati,R.Corsi and F.Kucuk, 1980. Behavior of the Bagnore steam/CO₂ geothermal reservoir, Italy. *Soc.Petr.Eng.J.*,1980; 228-238. (1064).

Atwater,T., 1981. Propagating rifts in seafloor spreading patterns. *Nature*,v.290; 185-186. (1017).

Atwater,T. and J.D.Mudie, 1973. Detailed near-bottom geophysical study of the Gorda Rise. *J.Geophys.Research*, v.78; 8665-8686. (419).

Atwater,T.M. and J.D.Mudie, 1968. Block faulting on the Gorda Rise. *Science*,v.159; 729-731. (418).

Audunsson,H. and S.Levi, 1988. Basement heating by cooling lava: Paleomagnetic constraints. *J.Geophys.Research*, v.93; 3480-3496. (1820).

Aumento,F., 1967. Magmatic evolution on the Mid-Atlantic Ridge. *Earth Planet.Sci.Letters*,v.2; 225-230. (63).

Aumento,F., 1972. The oceanic crust of the Mid-Atlantic Ridge at 45 N. The Ancient Oceanic Lithosphere. *Dept.Energy Mines Resources*,v.42; 49-53. (302).

Aumento,F.,B.D.Loncarevic and D.I.Ross, 1971. Hudson Geotraverse: geology of the Mid-Atlantic Ridge at 45 N. *Phil.Trans.Roy.Soc.Lond.A*,v.268; 623-650. (414).

Austin,C.F., 1966. Undersea geothermal deposits - their selection and potential use. U.S.Naval Ordnance Test Station, China Lake, California; 71 pp. (1954).

Auzende,J.-M., D.Bideau, E.Bonatti, J.Honnerez, Y.Lagabrielle, J.Malavieille, V.Mamaloukas-Frangoulis and C.Mevel, 1989. Direct observation of a section through slow-spreading oceanic crust. *Nature*, v.337; 726-729. (1993).

Auzende,J.-M., D.Bideau, E.Bonatti, M.Cannat, J.Honnerez, Y.Lagabrielle, J.Malavieille, V.Mamaloukas-Frangoulis and C.Mevel, 1989. Direct observation of a section through slow-spreading oceanic crust. *Nature*, v.337; 726-729. (2046).

Avery,O.E.,G.D.Burton and J.R.Heirtzler, 1968. An aeromagnetic survey of the Norwegian Sea. *J.Geophys.Research*, v.73; 4583-4600. (76).

Axelsson,G. and G.Bodvarsson, . Analysis of production data from fractured liquid dominated geothermal reservoirs in Iceland. *Handrit*; 34 pp. (1775).

Axelsson,G., V.Stefánsson,G.Gudmundsson and B.Steingrímsson, 1982. Thermal conditions of Surtsey. *Surtsey Res.Progr.Report*,v.9; 102-110. (1331).

Axtmann,R.C., 1974. An environmental study of the Wairakei power plant. New Zealand D.S.R.I. Report; 38 pp. (2114).

Axtmann,R.C., 1974. On the transmutation of environmental costs into profits. Handrit, ca 1974; 5 pp. (2115).

Axtmann,R.C., 1975. Chemical aspects of the environmental impact of geothermal power. Second U.N. Symp. Dev. Use Geothermal Resources, San Francisco; 1323-1327. (2093).

Axtmann,R.C., 1975. Environmental impact of a geothermal power plant. *Science*, v.187; 795-803. (2094).

Axtmann,R.C., 1975. Emission control of gas effluents from geothermal power plants. *Environmental Letters*, v.8; 135-146. (2097).

Bäckström,K. and A.Gudmundsson, 1989. The grabens of Sveinar and Sveinagja, NE Iceland. NVI Report 8901; 38 pp. (1991).

Bahat,D., 1979. On the African rift system, theoretical and experimental study. *Earth Planet.Sci.Letters*,v.45; 445-452. (867).

Bahat,D., 1979. Interpretation on the basis of Hertzian theory of a spiral carbonatite structure at Homa mountain, Kenya. *Tectonophysics*,v.60; 235-246. (1591).

Bahat,D., 1980. Secondary faulting, a consequence of a single continuous bifurcation process. *Geol.Mag.*,v.117; 373-380. (1592).

Bahat,D., 1980. A Hertzian quasi-oval fracture model for ring-complexes. *J.Geol.*, v.88; 271-284. (1593).

Bailey,J.P.C., R.C.Bailey, A.W.Billinghurst, J.R.Bridges, N.P.Maxwell, D.G.Powell and A.J.Wright, 1987. A topographical map of Hveradalur, Kverkfjöll, Iceland. Manuscript; 15 pp + map. (2054).

Baker,B.H.,L.A.J.Williams,J.A.Miller and F.J.Fitch, 1971. Sequence and geochronology of the Kenya rift volcanics. *Tectonophysics*,v.11; 191-215. (422).

Baker,B.H.,P.A.Mohr and L.A.J.Williams, 1972. Geology of the eastern rift system of Africa. *Geol.Soc.Am.Spec.Paper* 136; 67 pp. (322).

Baker,E.T. and G.J.Massoth, 1986. Hydrothermal plume measurements: a regional perspective. *Science*, v.234; 980-982. (1797).

Baker,E.T., J.W.Lavelle, R.A.Feely, G.J.Massoth, and S.L.Walker, 1989. Episodic venting of hydrothermal fluids from the Juan de Fuca Ridge. *J.Geophys.Research*, v.94; 9237-9250. (2068).

Bakkelid,S., 1959. Gravity observations in a submarine along the Norwegian coast. N.G.O., Oslo; 30 pp. (1853).

Baldridge,W.S.,T.R.McGetchin,F.A.Frey and E.Jarosewich, 1973. Magmatic evolution of Hekla, Iceland. *Contr.Mineral. and Petrol.*,v.42; 245-258. (469).

Ballard,R.D. and T.H.van Andel, 1977. Morphology and tectonics of the inner rift valley at lat 36° 50' N on the Mid-Atlantic Ridge. *Geol.Soc.Am.Bull.*, v.88; 507-530. (1180).

Ballard,R.D.,J.Francheteau,T.Juteau,C.Rangan and W.Normark, 1981. East Pacific Rise at 21° N: the volcanic, tectonic, and hydrothermal processes of the central axis. *Earth Planet.Sci.Letters*,v.55; 1-10. (1019).

Ballard,R.D., R.Hekinian and J.Francheteau, 1984. Geological setting af hydrothermal activity at 12° 50' N on the East Pacific Rise: a submersible study. *Earth Planet.Sci.Letters*, v.69; 176-186. (1795).

Ballard,R.D.,W.B.Bryan,J.R.Heirtzler,G.Keller,J.G.Moore and Tj.van Andel, 1975. Manned submersible observations in the FAMOUS area: Mid-Atlantic Ridge. *Science*,v.190; 103-108. (456).

Balling,N., 1984. Gravity and isostasy in the Baltic Shield. *Proc.First Works.Europ.Geotraverse* (ed.D.A.Galson and St.Mueller); 53-68. (1356).

Balling,N.,J.I.Kristiansen and S.Saxov, 1984. Geothermal measurements from the Vestmanna-1 and Lopra-1 boreholes. The Deep Drilling Project 1980-1981 in the Faeroe Islands, *Ann.Societ.Sci.Færoensis*; 137-147. (1336).

Balling,N.,J.I.Kristiansen and S.Saxov, 1984. Geothermal measurements from the Vestmanna-1 and Lopra-1 boreholes. *Ann.Societ.Sci.Færoensis, Suppl.IX*; 137-147. (1354).

Banerjee,S.K., 1972. Rock magnetic aspects of marine magnetic anomalies. "Comments on Earth Sciences:Geophysics",v.2; 169-177. (292).

Banerjee,S.K., 1984. The magnetic layer of the ocean crust - how thick is it?. *Tectonophysics*, v.105; 15-27. (1786).

Banks,F.E., 1988. Energy planning: the need to get it right the first time. *OPEC Bulletin*, Sept. 1988; 12-15. (1881).

Bárðarson,G.G., 1929. Geologisk Kort over Reykjanes=Halvøen. Report of the 18. Scandinavian Naturalist Congress in Copenhagen, 26.-31. Aug.1929; 1-6. (2083).

Barberi,F. and J.Varet, 1977. Volcanism of Afar: Small-scale plate tectonics implications. *Geol.Soc.Am.Bull.*, v.88; 1251-1266. (873).

Barberi,F., G.Corrado, F.Innocenti and G.Luongo, 1984. Phlegraean Fields 1982-1984: Brief chronicle of a volcano emergency in a densely populated area. *Bull.Volcanol.*, v.47; 175-185. (2087).

Barberi,F.,S.Borsi,G.Ferrara,G.Marinelli,R.Santacroce,H.Tazieff and J.Varet, 1972. Evolution of the Danakil depression (Afar,Ethiopia) in light of radiometric age determinations. *J.Geology*, v.80; 720-729. (269).

Barbier,E., 1984. Eighty years of electricity from geothermal steam. *Geothermics*, v.13; 389-401. (1479).

Barbier,E., 1985. Geothermal energy in the context of energy in general and electric power supply. National and international aspects. *Geothermics*, v.14; 131-141. (1565).

Barbier,E., 1986. Geothermal energy in the world energy scenario. *Geothermics*, v.15; 807-819. (2104).

Barbier,E., 1986. Technical-economic aspects of the utilization of geothermal waters. *Geothermics*, v.15; 857-879. (2105).

Batini,F.,A.Duprat and R.Nicolich, 1985. Contribution of seismic reflection to the study of geothermal reservoirs in Tuscany (Italy). *Geoth.Res.Council Trans.*, v.9,part I; 245-252. (1470).

Batini,F. and R.Nicolich, 1985. P and S reflection seismic profiling and well logging in the Travale geothermal field. *Geothermics*, v....; (1469).

Batini,F.,G.Bertini,G.Gianelli,E.Pandeli and M.Puxeddu, 1983. Deep structure of the Larderello field: Contribution from recent geophysical and geological data. *Mem.Soc.Geol.Italiana*, v.25; 219-235. (1472).

Batini,F.,R.Console and G.Luongo, 1985. Seismological study of Larderello-Travale geothermal area. *Geothermics*, v.14; 255-272. (1471).

Batiza,R., W.G.Melson and T.O'Hearn, 1988. Simple magma supply geometry inferred beneath a segment of the Mid-Atlantic Ridge. *Nature*, v.335; 428-431. (1882).

Bayer,R.,V.Courtillot,M.Daignieres and P.Tapponnier, 1973. Dorsales médio-océaniques: un modèle évolutif de la zone axiale. *C.R.Acad.Sc.Paris*,v.276,Série D; 2765-2768. (911).

Beard,J.S. and G.E.Lofgren, 1989. Effect of water on the composition of partial melts of greenstone and amphibolite. *Science*, v.244; 195-197. (2057).

Beblo,M.,A.Björnsson,K.Arnason,B.Stein and P.Wolfgram, 1983. Electrical conductivity beneath Iceland - constraints imposed by magnetotelluric results on temperature,partial melt,crust- and mantle structure. *J.Geophysics*, v.53; 16-23. (1622).

Beblo,M. and A.Björnsson, 1978. Magnetotelluric investigations of the lower crust and upper mantle beneath Iceland. *J.Geophys.*, v.45; 1-16. (728).

Becker,K. et al., 1989. Drilling deep into young oceanic crust, Hole 504B, Costa Rica rift. *Rev. Geophysics*, v.27; 79-102. (2095).

Belkin,H.,B.De Vivo,G.Gianelli and P.Lattanzi, 1985. Fluid inclusions in minerals from the geothermal fields of Tuscany, Italy. *Geothermics*, v.14; 59-72. (1562).

Belousov,V., 1982. Certain problems of structure and conditions of evolution of transition zones between continents and oceans. *Geol.Rundschau*,v.71; 487-511. (1377).

Belousov,V.V., 1967. Problèmes de la structure des profondeurs et l'évolution de la terre. "Actes de la Société helvétique de sciences naturelles,1967"; 22-37. (421).

Belousov,V.V., 1970. Against the hypothesis of ocean-floor spreading. *Tectonophysics*,v.9; 489-511. (78).

Belousov,V.V., 1974. Continents, Development of. *Encyclopedia Britannica*, 15th edition: 119-123. (219).

Belousov,V.V., 1982. Problems of origin and development of folded zones. *Tectonophysics*, v.81; 161-178. (1955).

- Belousov,V.V., 1985. Is the new geophysics on firm ground?. Science Age,v.; 15-20. (1378).
- Belousov,V.V. and N.I.Pavlenkova, 1984. The types of the earth's crust. J.Geodynamics, v.1; 167-183. (1376).
- Belousov,V.V. and Ye.Ye.Milanovsky, 1976. On tectonics and tectonic position of Iceland. Greinar V, Soc.Sci.Islandica; 96-118. (550).
- Belousov,V.V. and Ye.Ye.Milanovsky, 1977. On tectonics and tectonic position of Iceland. Tectonophysics,v.37; 25-40. (575).
- Benioff,H., 1954. Orogenesis and deep crustal structure - additional evidence from seismology. Bull.Geol.Soc.Am.,v.65; 385-400. (218).
- Benjamínsson,J., 1988. Jarðhiti í sjó og flæðarmáli við Ísland. Náttúrufræðingurinn, v.58; 153-169. ().
- Berckhemer,H.,A.Berkholt,J.Makris and A.Schult, 1974. Geophysikalische Arbeiten im Afar-Gebiet von Äthiopien. Nachr.Deutsch.Geol.Ges.,v.; 25-30. (384).
- Berckhemer,H.,B.Baier,H.Bartelsen,A.Behle,H.Burkhardt,H.Gebrande, J.Makris, H.Menzel, H.Miller and R.Vees, 1975. Deep seismic soundings in the Afar region and on the highland of Ethiopia. Afar Depression of Ethiopia (Ed.A.Pilger and A.Rössler); 89-107. (513).
- Bergh,S.G., 1985. Structure,depositional environment and mode of emplacement of basaltic hyaloclastites and related lavas and sedimentary rocks:Plio-Pleistocene... Nord.Volc.Inst.Report 8502; 91 pp. (1389).
- Bergsager,E., 1985. Character of the North Sea. Oljedirektoratet, contrib. no. 23; 41 pp. (2062).
- Bergsager,E., 1987. Year 2010 - A retrospective view on which projects found their viable solution in the Barents Sea. NTNF Conference, Trondheim, June 1987; 4 pp. (1711).
- Berliner,H.J., 1978. Computer chess. Nature, v.274; 745-748. (1764).
- Berner,R., 1972. Spannungen in der Erdkruste als Folge von thermischen und mechanischen Gradienten. Dissertation,Universitat Karlsruhe T.H.; 252 pp. (636).
- Bertrami,R.,G.M.Cameli,F.Lovari and U.Rossi, 1984. Discovery of Laterra geothermal field: Problems of the exploration and research. Seminar Utiliz.Geoth.Energ.Electr.Power Prod.Spac.Heat.,Florence 1984; 18 pp. (1515).
- Bhattacharji,S. and H.Koide, 1987. Theoretical and experimental studies of mantle upwelling, penetrative magmatism, and development of rifts in continental and oceanic crusts. Tectonophysics, v.143; 13-30. (1801).
- Bideau,D. and R.Hékinian, 1984. Segregation vesicles of ocean floor basalts, 1. Petrological study of the segregation products. J.Geophys.Research, v.89; 7903-7914. (1410).
- Bideau,D.,M.Prévet and A.Lecaille, 1984. Segregation vesicles of ocean floor basalts, 2.Their use as paleovertical indicators. J.Geophys.Research, v.89; 7915-7930. (1409).

Bideau,D.,R.Hekinian and J.Francheteau, 1977. Orientation of ocean floor basaltic rocks at time of cooling: A general method. *Contrib.Mineral.Petrol.*,v.65; 19-28. (1411).

Bischoff, J.L., 1980. Geothermal system at 21 N, East Pacific Rise: physical limits on geothermal fluids and role of adiabatic expansion. *Science*, v.207; 1465-1469. (938).

Bixley,P.F., 1980. Modelling from a user's point-of-view. *Proc.Sixth Workshop Geoth.Res.Engineering,Stanford,Dec.1980*; 238-242. (1328).

Bjarnason,B., 1979. Noen islandske synspunkter i Jan Mayenssaken. *Internasjonal Politikk* nr.4 - 1979; 1-10. (1813).

Björnsson,A., 1969. Aufzeichnung und Auswertung erdmagnetischer Pulsationen in Island und Göttingen. *Zeit.f.Geophysik*, v.35; 419-429. (378).

Björnsson,A., 1972. Untersuchungen von erdmagnetischen PI 2 Pulsationen auf einem Profil von Süd-Europa bis in die Polarlichtzone. *Dissertation, Göttingen*; 67 pp. (926).

Björnsson,A., 1975. Mæling setlaga á sjávarbotni. *Tímarit V.F.Í.*, v.; 18-22. (1628).

Björnsson,A., 1976. Electrical resistivity of layer 3 in the Icelandic crust. *Greinar,V, Soc.Sci.Icelandica*; 7-22. (587).

Björnsson,A., 1980. Jarðhitarannsóknir á lághitasvæðum í grennd við Akureyri. *Náttúrufræðingurinn*,v.50; 314-332. (1213).

Björnsson, A., 1980. Jarðhitaleit og rannsókn jarðhitasvæða með jarðeðlisfræðilegri könnun. *Náttúrufræðingurinn*, v.50; 227-249, (1645).

Björnsson,A.. 1981. Exploration and exploitation of low-temperature geothermal fields for district heating in Akureyri,North Iceland, *G.R.C.Transactions*,v.5; 495-498. (1400).

Björnsson,A.. 1985. Dynamics of crustal rifting in Iceland. *J.Geophys.Research*, v.90; 10151-10162. (1453).

Björnsson,A.. 1985. Dynamics of crustal rifting in NE Iceland. *J.Geophys.Research*, v.90; 10151-10162. (1468).

Björnsson,A. and G.P.Hersir, 1981. Geophysical reconnaissance study of the Hengill high-temperature geothermal area, SW-Iceland. *Geoth.Res.Council Trans.*, v.5; 55-58. (1041).

Björnsson,A. and G.P.Hersir, 1981. Geophysical reconnaissance study of the Hengill high-temperature geothermal area, SW-Iceland. *Geoth.Res.Council,Trans.*, v.5; 55-58. (1707).

Björnsson,A.,G.Johnsen,S.Sigurdsson,G.Thorbergsson and E.Tryggvason, 1979. Rifting of the plate boundary in North Iceland, 1975-1978. *J.Geophys.Research*, v.84; 3029-3038. (785).

Björnsson,A., G.P.Hersir and G.Björnsson, 1986. The Hengill high-temperature area SW-Iceland: Regional geophysical survey. *Geoth.Res.Council,Trans.*, v.10; 205-210. (1708).

Björnsson,A.,K.Saemundsson,P.Einarsson,E.Tryggvason and K.Grönvold, 1977. Current rifting episode in north Iceland. *Nature*,v.266; 318-322. (590).

Björnsson,A.,L.Kristjánsson and H.Johnsen, 1976. Some observations of the Heimaey deep drill hole during the eruption of 1973. *Jökull*, v.26; 52-58. (688).

Björnsson,G., 1987. A multi-feedzone geothermal wellbore simulator. M.S.Thesis, Lawrence Berkeley Laboratory, University of California; 102 pp. (1983).

Björnsson, G. and A. Albertsson, 1985. The power plant at Svartsengi, development and experience. Geoth.Res.Council, Int.Sympos.Geoth.Energy, Hawaii, Aug.1985; 19 pp (preprint). (1649).

Björnsson,H., 1982. Varmamælirinn í Grímsvötnum, eldvirkni, orsakir og eðli jarðhita. Í "Eldur í norðri", Sögufélagið, Reykjavík; 139-144. (1927).

Björnsson,H. and H.Kristmannsdóttir, 1984. The Grímsvötn geothermal area, Vatnajökull, Iceland. *Jökull*, v.34; 25-50. (1334).

Björnsson,H.,S.Björnsson and Th.Sigurgeirsson, 1982. Penetration of water into hot rock boundaries of magma at Grímsvötn. *Nature*,v.295; 580-581. (1081).

Björnsson,S., 1967. Hot springs and thermal energy. *Iceland Review*, v.5; 35-39. (2099).

Björnsson,S., 1977. Nýting hraunhita í Vestmannaeyjum. *Útvarpserindi*, 8.des.1976; 18 pp. (1604).

Björnsson,S., 1978. Aðferðir til virkjunar hraunhita í Eyjum. *Fréttabréf VFÍ*,3.árg.,3.nov.1978; 1-2. (1602).

Björnsson,S., 1980. Jarðhiti,grunnvatn og varmi. *Náttúrufræðingurinn*,v.50; 271-293. (1311).

Björnsson,S., 1981. Crust and upper mantle beneath Iceland. *Mimeogr. RH-81-10*; 31 pp. (2030).

Björnsson,S. and P.Einarsson, 1974. Seismicity of Iceland. *Geodynamics of Iceland and the North Atlantic Area* (ed.L.Kristjánsson), Reidel Publ.Co.; 225-239. (133).

Björnsson,S.,D.C.Blanchard and A.T.Spencer, 1967. Charge generation due to contact of saline waters with molten lava. *J.Geophys.Research*, v.72; 1311-1323. (924).

Björnsson,S.,S.Arnorsson and J.Tómasson, 1972. Economic evaluation of Reykjanes thermal brine area, Iceland. *Am.Ass.Petrol.Geologists Bull.*,v.56; 2380-2391. (668).

Blake,D.H., 1970. Geology of Alftafjordur volcano, a Tertiary volcanic centre in South-Eastern Iceland. *Science in Iceland*,v.2; 43-63. ().

Blakeley,J.R. and S.C.Cande, 1979. Marine magnetic anomalies. *Rev.Geophys.Space Phys.*,v.17; 204-214. (807).

Blanchard,D.C. and S.Björnsson, 1967. Water and the generation of volcanic electricity. *Monthly Weather Review*,v.95; 895-898. (927).

Böðvarsson,G., 1951. Skýrsla um rannsóknir á jarðhita í Hengli, Hveragerði og nágrenni, árin 1947-1949. Fyrri hluti. *Tímarit V.F.Í.*, v.36; 1-48. (1248).

Böðvarsson,G., 1954. Laugarhitun og rafhitun. *Tímarit V.F.Í.*, v.39; 1-19. (1251).

Böðvarsson,G., 1960. Menntun íslenzkra verkfræðinga. Tímarit V.F.I., v.45; 1-3. (1250).

Böðvarsson,G., 1960. Fjárfesting og þróun. Tímarit V.F.I., v.45; 12-15. (1250).

Böðvarsson,G., 1964. Gufubor Reykjavíkurborgar og ríkisins. Nokkur drög að sögu borsins. Handrit, 2.apríl 1964; 13 bls. (1524).

Böðvarsson.G., 1973. Remarks on generalized solutions of improperly posed problems in the exploration sciences. Jökull, v.23; 37-44. (332).

Böðvarsson, G., 1985. Fyrsta líkan af jarðhitakerfi Kröflu. Umsögn um greinaflokk eftir S.M.Benson o.fl.. Handrit, 26.sept.1985; 9 bls. (1773).

Böðvarsson, G., 1987. Íslenskun entrópiú. Fréttabréf Eðlisfr.fél. Íslands, Nr.11, v.6; 24-26. (1704).

Böðvarsson, G., 1987. Lekt bergs og hermun jarðhitakerfa. Skýrsla til Hitaveitu Reykjavíkur. Handrit; 9 bls. (1734).

Böðvarsson,G., 1987. Túlkun þrepidælinga í borholur. Skýrsla til Hitaveitu Reykjavíkur. Handrit; 9 bls. (1735).

Böðvarsson,G., 1987. Vinnslulíkön fyrir jarðhitakerfi Nesjavalla. Handrit; 33 bls. (1736).

Böðvarsson,G. og S.S.Einarsson, 1962. Jarðvarmi til húshitunar og iðnaðar. Tímarit V.F.I., v.47; 18-23. (1247).

Böðvarsson,Gunnar, 1964. Rafhitun á Íslandi. Fjörlit; 18 bls. (1903).

Böðvarsson,Gunnar, 1986. Afl og orka jarðhitakerfis Nesjavalla. Greinargerð til Hitaveitu Reykjavíkur, sept.1986; 25 bls.. (1629).

Bodéré,J.-Cl., 1973. Le tombolo double de Thórdarhöfdi (Islande septentrionale). Norois,No.78; 213-235. (487).

Bodéré,J.-Cl., 1977. Les kettles du Sud-Est de l'Islande. Rev.Géograph.Phys.Géol.Géodynamique,v.19; 259-270. (655).

Bödvarsson,G., 1950. Geofysiske metoder ved varmtvandsprospektering i Island. Tím.V.F.I.,v.35; 49-59. (42).

Bödvarsson,G., 1954. Terrestrial heat balance in Iceland. Tímarit V.F.I., v.39; 69-76. (370).

Bodvarsson,G., 1955. On the flow of ice-sheets and glaciers. Jökull, v.5; 1-8. (374).

Bodvarsson,G., 1957. Geothermal effects of the Pleistocene glaciation in Iceland. Jökull, v.7; 1-20. (377).

Bödvarsson,G., 1961. Physical characteristics of natural heat resources in Iceland. Jökull, v.11; 29-38. (248).

Bodvarsson,G., 1961. Hot springs and the exploitation of natural heat resources in Iceland. The State Electricity Authority, Geothermal Department, Reykjavík; 20 pp. (923).

- Bodvarsson,G., 1962. An appraisal of the potentialities of geothermal resources in Iceland. Sixth World Power Conference,Melbourne,20-27 Oct. 1962. (Conference proof); 1-15. (70).
- Bodvarsson,G., 1962. The use of isotopes of hydrogen and oxygen for hydrological purposes in Iceland. *Jökull*, v.12; 49-54. (379).
- Bodvarsson,G., 1966. Some considerations on the optimum production and use of geothermal energy. *Jökull*, v.16; 199-206. (367).
- Bodvarsson,G., 1966. Heat transfer and temperature microstructure at the ocean floor. *Jökull*, v.16; 175-183. (929).
- Bodvarsson,G., 1969. On the temperature of water flowing through fractures. *J.Geophys.Research*, v.74; 1987-1992. (368).
- Bodvarsson,G., 1970. Evaluation of geothermal prospects and the objectives of geothermal exploration. *Geoexploration*,v.8; 7-17. (43).
- Bödvarsson,G., 1970. Confined fluids as strain meters. *J.Geophys.Research*, v.75; 2711-2718. (69).
- Bodvarsson,G., 1971. Approximation methods for equivalent strata. *J.Geophys.Research*, v.76; 3932-3939. (375).
- Bödvarsson,G., 1972. Thermal problems in the siting of reinjection wells. *Geothermics*, v.1; 63-66. (73).
- Bodvarsson,G., 1973. Temperature inversions in geothermal systems. *Geoexploration*,v.11; 141-149. (369).
- Bodvarsson,G., 1973. Downward continuation of constrained potential fields. *J.Geophys.Research*, v.78; 1288-1292. (372).
- Bodvarsson,G., 1973. Heat transport phenomena in the earth sciences. Fjörlitað handrit; 29 pp. (1902).
- Bodvarsson,G., 1974. Geothermal resource energetics. *Geothermics*, v.3; 83-92. (333).
- Bodvarsson,G., 1975. Estimates of the geothermal resources of Iceland. (manuscript); 11 pp. (334).
- Bodvarsson,G.. 1975. Thermoelastic phenomena in geothermal systems. (manuscript); 17 pp. (335).
- Bodvarsson,G., 1981. Interstitial fluid pressure signal propagation along fracture ladders. Proc.Seventh Worksh.Geoth.Res.Eng.,Stanford,SGP-TR-55; 139-141. (1285).
- Bodvarsson,G., 1982. Glaciation and geothermal processes in Iceland.. *Jökull*, v.32.; 21-28.. (1294).
- Bodvarsson,G., 1983. Temperature/flow statistics and thermomechanics of low-temperature geothermal systems in Iceland. *J.Volcanol.Geoth.Research*, v.19; 255-280. (1292).

- Bodvarsson,G., 1983. Analogy between the uptake of heat and solutes by low-temperature thermal waters in Iceland.. J.Volcanol.Geoth.Research, v.19.; 99-111.. (1293).
- Bodvarsson,G., 1983. Lava flows and forms.. Jökull, v.33.; 57-60.. (1295).
- Bodvarsson,G., 1983. Hydroelastic oscillations in borehole cavity systems.. Tímarit V.FÍ, v.68.; 22-32.. (1296).
- Bodvarsson,G., 1983. Temperature/flow statistics and thermomechanics of low-temperature geothermal systems in Iceland. J.Volcanol.Geothermal Research, v.19; 255-280. (1366).
- Bodvarsson,G., 1983. Analogy between the uptake of heat and solutes by low-temperature thermal waters in Iceland. J.Volcanol.Geoth.Research, v.19; 99-111. (1783).
- Bodvarsson,G. and A.Björnsson, 1976. Hydroelastic cavity resonators. Jökull, v.26; 20-24. (710).
- Bodvarsson,G. and D.E.Eggers, 1972. The exergy of thermal water. Geothermics, v.1; 93-95. (371).
- Bodvarsson,G. and D.J.Ryley, 1966. The measurements of the weight discharge from geothermal steam wells. Jökull, v.16; 184-198. (376).
- Bodvarsson,G. and E.Zais, 1978. A field example of free surface testing. Proc.Fourth Worksh.Geoth.Res.Eng..Stanford,SGP-TR-30; 153-159. (1276).
- Bodvarsson,G. and G.M.Reistad, 1975. Econometric analysis of forced geoheat recovery for low-temperature uses in the Pacific northwest. (manuscript); 23 pp. (336).
- Bödvarsson,G. and G.P.L.Walker, 1964. Crustal drift in Iceland. Geophys.J.R.astr.Soc., v.8; 285-300. (79).
- Bödvarsson,G. and G.Pálmasón, 1961. Exploration of subsurface temperature in Iceland. Jökull, v.11; 39-48. (248).
- Bodvarsson,G. and R.P.Lowell, 1972. Ocean-floor heat flow and the circulation of interstitial waters. J.Geophys.Research, v.77; 4472-4475. (373).
- Bodvarsson,G.S., 1984. Modeling the natural state of geothermal systems. Earth Sciences,v.7; 1-9. (1437).
- Bodvarsson,G.S., 1986. Model studies of the Svartsengi geothermal field, Iceland. Lawrence Berkeley Laboratory, Annual Report 1986; 20-22. (1741).
- Bodvarsson,G.S.,K.Preuss,V.Stefansson,S.Bjornsson and S.B.Ojiambo, 1987. East Olkaria geothermal field, Kenya. 2.Predictions of well performance and reservoir depletion. J.Geophys.Research, v.92; 541-554. (1644).
- Bodvarsson,G.S.,K.Pruess,V.Stefansson and E.T.Eliasson, 1984. The Krafla geothermal field,Iceland. 2.The natural state of the system. Water Res.Research,v.20; 1531-1544. (1347).

Bodvarsson,G.S.,K.Pruess,V.Stefansson and E.T.Eliasson, 1984. The Krafla geothermal field,Iceland. 3.The generating capacity of the field. Water Res.Research,v.20; 1545-1559. (1348).

Bodvarsson,G.S.,K.Pruess,V.Stefansson,S.Bjornsson and S.B.Ojiambo, 1987. East Olkaria geothermal field,Kenya. 1.History match with production and pressure decline data. J.Geophys.Research, v.92; 521-539. (1643).

Bödvarsson,G.S.,M.J.O'Sullivan and C.F.Tsang, 1980. The sensitivity of geothermal reservoir behavior to relative permeability parameters. Proc.Sixth Workshop Geoth.Res.Engineering,Stanford,Dec.1980; 224-237. (1329).

Bödvarsson,G.S.,S.Benson,O.Sigurdsson,G.K.Halldorsson and V.Stefansson, 1981. Analysis of well data from the Krafla geothermal field in Iceland. Proc.Seventh Workshop Geoth.Res.Engineering,Stanford,Dec.1981; 71-76. (1330).

Bodvarsson,G.S.,S.M.Benson,O.Sigurdsson,V.Stefansson and E.T.Eliasson, 1984. The Krafla geothermal field,Iceland. 1.Analysis of well test data. Water Res. Research,v.20; 1515-1530. (1346).

Bodvarsson,Gunnar, 1981. Technical evaluation of geothermal resources and their development in the Beijing area of the People's Republic of China. Mission report, UN/TCD Project CPR/80/065; 39 pp. (1755).

Bokserman,Y., 1981. The potential and prospects of geothermal power generation in the USSR. Geoth.Energy, v.9; 10-13. (1435).

Boldizsár,T., 1969. Oceanic subcrustal flow towards the continents and constancy of global sea level. Pageoph,v.72; 117-122. (987).

Bonatti,E., 1970. Deep sea volcanism. Naturwissenschaften,v.57; 379-384. (319).

Bonatti,E., 1971. Ancient continental mantle beneath oceanic ridges. J.Geophys.Research, v.76; 3825-3831. (270).

Bonatti,E.,P.Hamlyn and G.Ottonello, 1981. Upper mantle beneath a young oceanic rift: Peridotites from the island of Zabargad (Red Sea). Geol.,v.9; 474-479. (1068).

Borzunov,V.A., S.A.Miljutin and Yu.S.Genshaft, 1987. Razuplotnenie glinstikh porod pri ikh nagrevanii. Geotektonika, Akad.Nauk SSSR, v.6(?); 119-122. (2004).

Bostrom,R.C., 1981. Lithosphere creep. J.Phys.Earth, v.29; 145-161. (1894).

Both,R.,K.Crook,B.Taylor,S.Brogan,B.Chappell,E.Frankel,L.Liu,J.Sinton and D.Tiffin, 1986. Hydrothermal chimneys and associated fauna in the Manus back-arc basin, Papua New Guinea. EOS, May 27, 1986; 489-450. (1506).

Bott,M.H.P., 1965. The upper mantle beneath Iceland. Geophys.J.R.astr.Soc., v.9; 275-277. (80).

Bott,M.H.P., 1965. Formation of oceanic ridges. Nature,v.207; 840-843. (81).

Bott,M.H.P., 1971. The mantle transition zone as possible source of global gravity anomalies. Earth Planet.Sci.Letters,v.11; 28-34. (285).

Bott,M.H.P., 1973. The evolution of the Atlantic north of the Faeroe Islands. Implications of Continental Drift...(ed.Tarling & Runcorn),vol.1; 175-189. (17).

Bott,M.H.P., 1985. Plate tectonic evolution of the Icelandic transverse ridge and adjacent regions. *J.Geophys.Research*, v.90; 9953-9960. (1440).

Bott,M.H.P. and A.Ingles, 1972. Matrix methods for joint interpretation of two-dimensional gravity and magnetic anomalies with application to the Iceland-Faeroe Ridge. *Geophys.J.R.astr.Soc.*, v.30; 55-67. ().

Bott,M.H.P.,C.W.A.Browitt and A.P.Stacey, 1971. The deep structure of the Iceland-Faeroe Ridge. *Mar.Geophys.Researches*, v.1; 328-351. (68).

Bott,M.H.P.,J.Sunderland,P.J.Smith,U.Casten and S.Saxov, 1974. Evidence for continental crust beneath the Faeroe Islands. *Nature*,v.248; 202-204. (55).

Bott,M.H.P.,P.H.Nielsen and J.Sunderland, 1976. Converted P-waves originating at the continental margin between the Iceland-Faeroe Ridge and the Faeroe block. *Geophys.J.R.astr.Soc.*, v.44; 229-238. (473).

Bottinga,Y., 1974. Thermal aspects of sea-floor spreading, and the nature of the suboceanic lithosphere. *Tectonophysics*,v.21; 15-38. (494).

Bottinga,Y. and C.J.Allegre, 1973. Thermal aspects of sea-floor spreading and the nature of the oceanic crust. *Tectonophysics*,v.18; 1-17. (493).

Bottinga,Y. and L.Steinmetz, 1979. A geophysical, geochemical, petrological model of the sub-marine lithosphere. *Tectonophysics*,v.55; 311-347. (810).

Bougault,H. and D.Hawkins, 1985. Appendix. Geochemical data for basalts. *Init.Repts.DSDP*,v.82 (ed.H.Bougault et al.); 639-667. (1516).

Bougault,H. and S.C.Cande, 1985. Background, objectives, and summary of principal results: Deep Sea Drilling Project sites 556-564. *Init.Repts.DSDP*,v.82 (ed.H.Bougault); 5-16. (1521).

Bougault,H.,J.L.Joron,M.Treuil and R.Maury, 1985. Local versus regional mantle heterogeneities: Evidence from hygromagnaphile elements. *Init.Repts.DSDP*,v.82 (ed H.Bougault et al.); 459-482. (1518).

Boulegue,J., E.A.Perseil, M.Bernat, B.Dupré, P.Stouff and J.Francheteau, 1984. A high-temperature hydrothermal deposit on the East Pacific Rise near 7 N. *Earth Planet.Sci.Letters*, v.70; 249-259. (1792).

Boulton,G.S., K.Thors and J.Jarvis, 1988. Dispersal of glacially derived sediment over part of the continental shelf of South Iceland and the geometry of the resultant sediment bodies. *Marine Geol.*, v.83; 193-223. (1970).

Brace,W.F.,B.W.Paulding,Jr.,and C.Scholz, 1966. Dilatancy in the fracture of crystalline rocks. *J.Geophys.Research*, v.71; 3939-3953. (618).

Bradbrook,A.J., 1987. The contents of new geothermal legislation. *J.Energy and Natural Resources Law*, v.5, No.2; 81-164. (1710).

Brander,J. and G.Wadge, 1973. Distance measurements across the Heimaey eruptive fissure. *Nature*,v.244; 496-498. (610).

Brander,J.L., 1974. Evidence for two possible relationships between observable surface deformation and geothermal activity. *Geothermics*, v.3; 17-20. (82).

- Brander,J.L.,R.G.Mason and R.W.Calvert, 1976. Precise distance measurements in Iceland. *Tectonophysics*,v.31; 193-206. (498).
- Brandsdóttir,B. and P.Einarsson, 1979. Seismic activity associated with the September 1977 deflation of the Krafla central volcano in northeastern Iceland. *J.Volcanol.Geothermal Research*, v.6; 197-212. (828).
- Bratt,S.R. and G.M.Purdy, 1984. Structure and variability of oceanic crust on the flanks of the East Pacific Rise between 11° and 13°N. *J.Geophys.Research*, v.89; 6111-6125. (2040).
- Brink,U.S.ten and A.B.Watts, 1985. Seismic stratigraphy of the flexural moat flanking the Hawaiian Islands. *Nature*,v.317; 421-424. (1491).
- Broadus,J.M., 1987. Seabed materials. *Science*, v.235; 853-860. (1720).
- Broecker,W., 1975. Climatic change: Are we on the brink of a pronounced global warming?. *Science*, v.189; 460-463. (1945).
- Brook,M.,C.B.Moore and T.Sigurgeirsson, 1974. Lightning in volcanic clouds. *J.Geophys.Research*, v.79; 472-475. (53).
- Brooks,C.K., 1973. Rifting and doming in southern East Greenland. *Nature Phys.Sci.*,v.244; 23-25. (711).
- Brooks,C.K.,S.P.Jakobsson and J.Campsie, 1974. Dredged basaltic rocks from the seaward extensions of the Reykjanes and Snaefellsnes volcanic zones, Iceland. *Earth Planet.Sci.Letters*,v.22; 320-327. (390).
- Brown,J.R. and J.A.Karson, 1988. Variations in axial processes on the Mid-Atlantic Ridge: The median valley of the MARK area. *Marine Geophys.Researches*, v.10; 109-138. (2047).
- Brozena,J.M., 1986. Temporal and spatial variability of seafloor spreading processes in the northern South Atlantic. *J.Geophys.Research*, v.91; 497-510. (1482).
- Brunner,W.M.. 1984. Crack growth during unroofing of crustal rocks: Effects on thermaelastic behavior and near-surface stresses. *J.Geophys.Research*, v.89; 4167-4184. (2043).
- Bryan,W.B. and J.G.Moore, 1977. Compositional variations of young basalts in the Mid-Atlantic Ridge rift valley near lat 36 49 N. *Geol.Soc.Am.Bull.*, v.88; 556-570. (1182).
- Buchardt,B., 1983. Introduktion til stabile isotopers geokemi. (preprint), kompendium; 58 pp. (1460).
- Buck,W.R., 1988. Flexural rotation of normal faults. *Tectonics*, v.7; 959-973. (1915).
- Buck,W.R., F.Martinez, M.S.Steckler and J.R.Cochran, 1988. Thermal consequences of lithospheric extension: pure and simple. *Tectonics*, v.7; 213-234. (1854).
- Budd,C.F.Jr, 1984. Geothermal energy for electrical generation. *J.Petrol.Technol.*,v.36; 189-195. (1368).
- Budd Jr., C.F., 1984. Geothermal energy for electrical generation. *J.Petroleum Technology*, February 1984; 189-195. (1646).

Bulow,K. von, 1962. Entwurf einer tektonischen Skizze von Island. Geologie, (Berlin),v.11; 6-16. (83).

Bunch,A.W.H. and B.L.N.Kennett, 1980. The crustal structure of the Reykjanes Ridge at 59 30 N. Geophys.J.R.astr.Soc., v.61; 141-166. (961).

Bureau Gravimétrique International, 1977. Modern standards for gravity surveys. Geoexploration, v.15; 65-66. (1751).

Burke,K., 1977. Aulacogens and continental breakup. Ann.Rev.Earth Planet.Sci.,v.5; 371-396. (628).

Burke,K.,L.Delano,J.F.Dewey,A.Edelstein,W.S.F.Kidd,K.D.Nelson, A.M.C.Sengör and J.Stroup, 1978. Rifts and sutures of the world. Manuscript; 238 pp + 2 maps. (1598).

Buskirk,R.E., C.Frolich and G.V.Latham, 1981. Unusual animal behavior before earthquakes: A review of possible sensory mechanisms. Rev.Geophys.Space Physics, v.19; 247-270. (2131).

Calamai,A.,L.Ceppatelli and P.Squarci, 1983. Summary of Italian experience in thermal prospecting for geothermal resources. Zbl.Geol.Palaontol.Teil I, 1983 (1/2); 156-167. (1556).

Campbell,A.C., M.R.Palmer, G.P.Klinkhammer, T.S.Bowers, J.M.Edmond, J.R.Lawrence, J.F.Casey, G.Thompson, S.Humphris, P.Rona and J.A.Karson, 1988. Chemistry of hot springs on the Mid-Atlantic Ridge. Nature, v.335; 514-519. (1872).

Campsie,J.,J.C.Bailey,M.Rasmussen and F.Dittmer, 1973. Chemistry of tholeiites from the Reykjanes Ridge and Charlie Gibbs fracture zone. Nature Phys.Sci.,v.244; 71-73. (608).

Cande,S.C. and D.V.Kent, 1985. Comment on "Tectonic rotations in extensional regimes and their paleomagnetic consequences for ocean basalts" by K.L.Verosub and E.M.Moores. J.Geophys.Research, v.90; 4647-4651. (1382).

Cann,J.R., 1970. New model for the structure of the ocean crust. Nature,v.226; 928-930. (84).

Cann,J.R., 1974. A model for oceanic crustal structure developed. Geophys.J.R.astr.Soc., v.39; 169-187. (3).

Cann,J.R. and M.R.Strens, 1982. Black smokers fuelled by freezing magma. Nature, v.298; 147-149. (1934).

Cann,J.R. and M.R.Strens, 1988. Surprises of different kinds. Nature, v.335; 495. (1873).

Cann, J.R. and R.P.Von Herzen, . Downhole logging at Deep Sea Drilling Project sites 501, 504, and 505, near the Costa Rica Rift. Init.Repts.DSDP.(ed. J.R.Cann et al), v.69; 281-299. (1684).

Cann, J.R., M.R.Strens and A.Rice, . A simple magma-driven thermal balance model for the formation of volcanogenic massive sulphides. Earth Planet.Sci.Letters, v.76; 123-134. (1683).

Cao,S., I.Lerche and C.Hermanrud, 1988. Formation temperature estimation by inversion of borehole measurements. Geophysics, v.53; 979-988. (1879).

- Cargill,H.K.,L.Hawkes and J.A.Ledeboer, 1928. The major intrusions of south-eastern Iceland. *Quart.J.Geol.Soc.*,v.84; 505-539. (823).
- Carmichael,I.S.E., 1964. The petrology of Thingmúli, a Tertiary volcano in eastern Iceland. *J.Petrology*,v.5; 435-460. (85).
- Carpenter,P.J. and D.J.Cash, 1988. Poisson's ratio in the Valles caldera and Rio Grande rift of northern New Mexico. *Bull.Seism.Soc.Am.*, v.78; 1826-1829. (1899).
- Castellucci,P.,A.Minissale and M.Puxeddu, 1983. Nature and tectonic setting of the Travale-Radicondoli basement in the Larderello geothermal field (Italy). *Mem.Soc.Geol.It.*, v.25; 237-245. (1563).
- Casten,U., 1973. The crust beneath the Faeroe Islands. *Nature Phys.Sci.*,v.241; 83-84. (86).
- Casten,U., 1974. Eine Analyse seismischer Registrierungen von den Faroer Inseln. *Hamburger Geophysikalische Einzelschriften*, Heft 21; 109 pp. (26).
- Casten,U. and P.H.Nielsen, 1975. Faeroe Islands - a microcontinent fragment?. *J.Geophys.*, v.41; 357-366. (397).
- Cataldi,R. and R.Celati, 1983. Review of Italian experience in geothermal resource assessment. *Zbl.Geol.Palaontol.*, Teil I, 1983; 168-184. (1478).
- Cavanaugh, C.M., S.L.Gardiner, M.L.Jones, H.W.Jannasch and J.B.Waterbury, 1981. Prokaryotic cells in the hydrothermal vent tube worm *Riftia pachyptila* Jones: Possible chemoautotrophic symbionts. *Science*, v. 213; 340-342. (2123).
- Cavarretta,G.,G.Gianelli and M.Puxeddu, 1980. Hydrothermal metamorphism in the Larderello geothermal field. *Geothermics*, v.9; 297-314. (1059).
- Cavarretta,G.,G.Gianelli and M.Puxeddu, 1982. Formation of authigenic minerals and their use as indicators of the physicochemical parameters of the fluid in the Larderello-Travale geothermal field. *Econom.Geol.*,v.77; 1071-1084. (1553).
- Cavarretta,G., G.Gianelli, G.Scandiffio and F.Tecce, 1985. Evolution of the Latera geothermal system II: Metamorphic, hydrothermal mineral assemblages and fluid chemistry. *J.Volcanol.Geoth.Research*, v.26; 337-364. (2101).
- Cermák,V. and E.Hurtig, . The preliminary heat flow map of Europe and some of its tectonic and geophysical implications. *Pageoph*,v.117; 92-103. (860).
- Chan,W.W., I.S.Sacks and R.Morrow, 1989. Anelasticity of the Iceland plateau from surface wave analysis. *J.Geophys.Research*, v.94; 5675-5688. (2052).
- Chapman,D.S. and H.N.Pollack, 1975. Heat flow and incipient rifting in the Central African Plateau. *Nature*,v.256; 28-30. (221).
- Chapman,D.S. and H.N.Pollack, 1975. Heat flow and incipient rifting in the Central African Plateau. *Nature*, v.256; 28-30. (1965).
- Chapman,M.E., 1979. Techniques for interpretation of geoid anomalies. *J.Geophys.Research*, v.84; 3793-3801. (882).
- Chapman,M.E. and J.H.Bodine, 1979. Considerations of the indirect effect in marine gravity modeling. *J.Geophys.Research*, v.84; 3889-3892. (883).

Chaturvedi,L. and G.Pálmasón, 1967. Interpretation of infrared imagery of Mývatn area. National Energy Authority (mimeographed); 21 pp. (366).

Chekunov,A.V. and V.B.Sollogub, 1989. The tectonosphere beneath south-eastern Europe. Gerlands Beitr. Geophysik, v.98; 212-222. (2079).

Chelminski,R., 1975. Lake Baikal saved from industrial pollution by citizen action in the USSR. Smithsonian, v.6; 44-50. (1823).

Cheng,P. and K.H.Lau, 1974. Steady state free convection in an unconfined geothermal reservoir. J.Geophys.Research, v.79; 4425-4431. () .

Childress,J.J., H.Felbeck and G.N.Somero, 1987. Symbiosis in the deep sea. Sci.American, v.256; 107-112. (1719).

Choukroune,P.,J.Franceteau and R.Hekinian, 1985. Carte géologique de la ride Est Pacifique à 12° 50' N. Bull.Soc.géol.France,v.I; 145-148. (1413).

Choukroune,P.,J.Francheteau and R.Hekinian, 1984. Tectonics of the East Pacific Rise near 12° 50' N: a submersible study. Earth Planet.Sci.Letters,v.68; 115-127. (1412).

Choukroune,P., J.Francheteau, B.Auvray, J.M.Auzende, J.P.Brun, B.Sichler, F.Arthaud and J.C.Lepine, 1988. Tectonics of an incipient oceanic rift (The western extension of the Aden rift within the Gulf of Tadjoura, Republic of Djibouti). Mar.Geophys.Researches, v.9; 147-163. (1878).

Chovitz,B.H., 1981. Modern geodetic earth reference models. EOS,v.62; 65-66. (1603).

Christensen,N.I., 1970. Composition and evolution of the oceanic crust. Marine Geol., v.8; 139-154. (252).

Christensen,N.I., 1970. Compressional-wave velocities in basalts from the Juan de Fuca Ridge. J.Geophys.Research, v.75; 2773-2775. (297).

Christensen,N.I., 1972. Compressional and shear wave velocities at pressures to 10 kilobars for basalts from the East Pacific Rise. Geophys.J.R.astr.Soc., v.28; 425-429. (282).

Christensen,N.I., 1972. The abundance of serpentinites in the oceanic crust. J.Geol., v.80; 709-719. (453).

Christensen,N.I., 1978. Ophiolites, seismic velocities and oceanic crustal structure. Tectonophysics,v.47; 131-157. (722).

Christensen,N.I., 1984. Pore pressure and oceanic crustal seismic structure. Geophys.J.R.astr.Soc., v.79; 411-423. (1789).

Christensen,N.I. and D.M.Fountain, 1975. Constitution of the lower continental crust based on experimental studies of seismic velocities in granulites. Geol.Soc.Am.Bull., v.86; 227-236. (11).

Christensen,N.I. and G.H.Shaw, 1970. Elasticity of mafic rocks from the Mid-Atlantic Ridge. Geophys.J.R.astr.Soc., v.20; 271-284. (294).

Christensen,N.I. and M.H.Salisbury, 1975. Structure and composition of the lower oceanic crust. Rev.Geophys.Space Physics,v.13; 57-86. (495).

- Chung,D.H., 1972. Birch's law: why is it so good?. *Science*,v.177; 261-263. ().
- Church,W.R. and R.A.Coish, 1976. Oceanic versus island arc origin of ophiolites. *Earth Planet.Sci.Letters*,v.31; 8-14. (1243).
- Cisternas,A., H.Philip, J.C.Bousquet, M.Cara, A.Deschamps, L.Dorbath, C.Dorbath, H.Haessler, E.Jimenez, A.Nercessian, L.Rivera, B.Romanowicz, A.Gvishiani, N.V.Shebalin, I.Aptekman, S.Arefiev, B.A.Borisov, A.Gorshkov, V.Graizer, A.Lander, et al., 1989. The Spitak (Armenia) earthquake of 7 December 1988: field observations, seismology and tectonics. *Nature*, v.339; 675-679. (2055).
- Clark,J.F. and K.K.Turekian, 1990. Time scale of hydrothermal water-rock reactions in Yellowstone National Park based on radium isotopes and radon. *J.Volcanol.Geoth.Research*, v.40; 169-180. (2144).
- Clark,R.A., 1983. Crust and uppermost mantle structure of the Iceland-Faroes region from Rayleigh wave group velocity dispersion. *Geophys.J.R.astr.Soc.*, v.72; 255-264. (1269).
- Cochran,J.R. and M.Talwani, 1977. Free-air gravity anomalies in the world's oceans and their relationship to residual elevation. *Geophys.J.R.astr.Soc.*, v.50; 495-522. (751).
- Colgate,S.A. and Th.Sigurgeirsson, 1973. Dynamic mixing of water and lava. *Nature*,v.244; 552-555. (607).
- Collette,B.J., 1960. The gravity field of the North Sea. ; 52 pp. (1847).
- Collette,B.J., 1974. Thermal contraction joints in a spreading seafloor as origin of fracture zones. *Nature*,v.251; 299-300. (186).
- Collette,B.J., 1976. Normal state of stress in the lithosphere.. *Pageoph.*,v.114.; 285-286.. (1305).
- Collette, B.J., 1986. Fracture zones in the North Atlantic: morphology and a model. *J.Geol.Soc.London*, v.143; 763-774. (1693).
- Collette,B.J.,A.P.Slootweg and W.Twigt, 1979. Mid Atlantic Ridge crest topography between 12 and 15 N. *Earth Planet.Sci.Letters*,v.42; 103-108. (896).
- Collette,B.J. and A.P.Slootweg, 1978. Oblique spreading and fracture zones. *Nature*,v.274; 187. (897).
- Collette,B.J. and K.W.Rutten, 1972. Crest and fracture zone geometry of the Mid-Atlantic Ridge between 10 and 16 N. *Nature Phys.Sci.*,v.237; 131-134. (187).
- Collette,B.J.,H.Schouten,K.Rutten and A.P.Slootweg, 1974. Structure of the Mid Atlantic Ridge province between 12 and 18 N. *Mar.Geophys.Researches*, v.2; 143-179. (189).
- Collette,B.J.,J.Verhoef and A.F.J. de Mulder, 1980. Gravity and a model of the median valley. *J.Geophysics*, v.47; 91-98. (898).
- Collette,B.J.,K.Rutten,H.Schouten and A.P.Slootweg, 1974. Continuous seismic and magnetic profiles over the Mid Atlantic Ridge between 12 and 18 N. *Mar.Geophys.Researches*, v.2; 133-141. (188).

Converse,D.R., H.D.Holland and J.M.Edmond, 1984. Flow rates in the axial hot springs of the East Pacific Rise (21N):implications for the heat budget and the formation of massive sulfide deposits. *Earth Planet.Sci.Letters.* v.69; 159-175. (1794).

Corliss,J.B.,M.Lyle.J.Dymond and K.Crane, 1978. The chemistry of hydrothermal mounds near the Galapagos rift. *Earth Planet.Sci.Letters.*v.40; 12-24. (806).

Cornet,F.H. and B.Valette, 1984. In situ stress determination from hydraulic injection test data. *J.Geophys.Research.* v.89; 11527-11537. (1404).

Courtillot,V.,P.Tapponnier andJ.Varet, 1974. Surface features associated with transform faults: A comparison between observed examples and an experimental model. *Tectonophysics*,v.24; 317-329. (434).

Cox,C.S., 1981. On the electrical conductivity of the oceanic lithosphere. *Phys.Earth Planet.Interiors.*v.25; 196-201. (1053).

Crampin,S., H.B.Lynn and D.C.Booth, 1989. Shear-wave VSP's: A powerful new tool for fracture and reservoir description. *J.Petrol.Technol.*, v.March 1989; 283-288. (2045).

Crane,K., F.Aikman III and J.-P.Foucher, 1988. The distribution of geothermal fields along the East Pacific Rise from $13^{\circ}10'N$ to $8^{\circ}20'N$: Implications for deep seated origin. *Mar.Geophys.Researches*, v.9; 211-236. (1979).

Crossing,L., 1987. Boosting Iceland's vegetable harvests. *News from Iceland*, April 1987; 34. (1723).

CRRUST (Zoback,M.D. et al.), 1982. Geothermal regimes of the Costa Rica Rift, east Pacific, investigated by drilling, DSDP-IPOD Legs 68, 69, and 70. *Geol.Soc.Am.Bull.*, v.93; 862-875. (1931).

D'Amore,F. and K.Preuss, 1986. Correlations between steam saturation, fluid composition and well decline in vapor-dominated reservoirs. *Geothermics*, v.15; 167-183. (2103).

D'Amore,F., R.Fanelli and C.Panichi, 1987. Stable isotope study of reinjection processes in the Larderello geothermal field. *Geochimica et Cosmochimica Acta*, v.51; 857-867. (2106).

D'Amore,F., R.Fanelli and R.Caboi, 1987. Observations on the application of chemical geothermometers to some hydrothermal systems in Sardinia. *Geothermics*, v.16; 271-282. (2134).

D'Amore,F. and A.Truesdell, 1984. Helium in the Larderello geothermal fluid. *Geothermics*, v.13; 227-239. (1559).

D'Amore,F. and C.Panichi, 1985. Geochemistry in geothermal exploration. *Energy Research*,v.9; 277-298. (1554).

D'Amore,F. and G.Gianelli, 1984. Mineral assemblages and oxygen and sulphur fugacities in natural water-rock interaction processes. *Geochim.Cosmichim.Acta*,v.48; 847-857. (1560).

D'Amore,F. and R.Celati, 1983. Methodology for calculating steam quality in geothermal reservoirs. *Geothermics*, v.12; 129-140. (1567).

- D'Amore,F.,G.Scandiffio and C.Panichi, 1983. Some observations on the chemical classification of ground waters. *Geothermics*, v.12; 141-148. (1557).
- Dagley,P.,R.L.Wilson,J.M.Ade-Hall,G.P.L.Walker,S.G.Haggerty,T.Sigurgeirsson, N.D.Watkins,P.J.Smith,J.Edwards and R.L.Grasty, 1967. Geomagnetic polarity zones for Icelandic lavas. *Nature*,v.216; 25-29. (87).
- Daignieres,M.,V.Courtillot,R.Bayer and P.Tapponnier, 1975. A model for the evolution of the axial zone of mid-ocean ridges as suggested by Icelandic tectonics. *Earth Planet.Sci.Letters*,v.26; 222-232. (300).
- Dalrymple,G.B.,E.A.Silver and E.D.Jackson, 1973. Origin of the Hawaiian Islands. *Am.Scientist*,v.61; 294-308. (305).
- Damuth,J.E., 1978. Echo character of the Norwegian-Greenland Sea; Relationship to Quaternary sedimentation. *Mar.Geol.*,v.28; 1-36. (741).
- Danielsson, Ó., 1929. Húmaníðra. *Tímarit V.F.Í.*, v.14; 33-36. (1664).
- Darling,W.G. and H.Ármannsson, 1989. Stable isotopic aspects of fluid flow in the Krafla, Námafjall and Theistareykir geothermal systems of northeast Iceland. *Chem.Geol.*, v.76; 197-213. (2089).
- Davies,G.F., 1980. Review of oceanic and global heat flow estimates. *Rev.Geophys.Space Physics*,v.18; 718-722. (944).
- Davies,T.A. and N.T.Edgar, 1974. Some geophysical aspects of deep-sea drilling. *Geophys.Surveys*, v.1; 391-407. (4).
- Davis,E.E., 1982. Evidence for extensive basalt flows on the sea floor. *Geol.Soc.Am.Bull.*, v.93; 1023-1029. (1212).
- Davydova,N.I., I.P.Kosminskaya and G.G.Michota, 1970. The thickness and nature of seismic discontinuities based on deep seismic sounding data. *Tectonophysics*, v.10; 561-571. (1867).
- Dawe,S., 1990. Geothermal energy potential. *Electricity International*, v.2, No.4; 13-15. (2155).
- Dawson,G.B., 1964. The nature and assessment of heat flow from hydrothermal areas. *N.Z.J.Geol.Geophys.*, v.7; 155-171. (1855).
- de Wit,M.J. and C.R.Stern, 1976. A model for ocean-floor metamorphism, seismic layering and magnetism. *Nature*,v.264; 615-619. (549).
- Dearnley,R., 1954. A contribution to the geology of Loðmundarfjörður. *Acta Naturalia Islandica*,v.I(9); 32 pp. () .
- DeBoer,J.,J.-G.Schilling and D.C.Krause, 1969. Magnetic polarity of pillow basalts from Reykjanes Ridge. *Science*,v.166; 996-998. (1119).
- DeBoer,J.,J.G.Schilling and D.C.Krause, 1970. Reykjanes Ridge; implication of magnetic properties of dredged rocks. *Earth Planet.Sci.Letters*,v.9; 55-60. (88).
- Decker,R.W., 1973. State-of-the-art in volcano forecasting. *Bull.Volcanologique*,v.37; 372-393. (16).

Decker,R.W.,P.Einarsson and P.A.Mohr, 1971. Rifting in Iceland: New geodetic data. Science,v.173; 530-533. (89).

Decker,R.W.,P.Einarsson and R.Plumb, 1976. Rifting in Iceland: measuring horizontal movements. Soc.Sci.Islandica, Greinar V; 61-71. (627).

Deep Sea Drilling Project, Scientific Staff, 1974. Leg 37 - the volcanic layer. Geotimes,v.19; 16-18. (337).

Deffeyes,K.S., 1970. The axial valley; a steady-state feature of the terrain. In:The Megatectonics of Continents and Oceans(Ed.H.Johnson and ...); 194-222. (400).

DEKORP Research Group (Bortfeld,R.K. et al.), 1985. First results and preliminary interpretation of deep-reflection seismic recordings along profile DEKORP 2-South. J.Geophysics, v.57; 137-163. (1502).

Del Moro,A.,M.Puxeddu,F.Radicati di Brozolo and I.M.Villa, 1982. Rb-Sr and K-Ar ages on minerals at temperatures of 300-400 C from deep wells in the Larderello geothermal field (Italy). Contr.Mineral.Petrol.,v.81; 340-349. (1552).

Delany,P.T. and D.D.Pollard, 1982. Solidification of basaltic magma during flow in a dike. Am.J.Sci., v.282; 856-885. (1939).

Demaison,G.J. and G.T.Moore, 1980. Anoxic environments and oil source bed genesis. Am.Ass.Petr.Geol.Bull.,v.64; 1179-1209. (1459).

Denlinger,R.P. and C.G.Bufe, 1982. Reservoir conditions related to induced seismicity at the Geysers steam reservoir, northern California. Bull.Seism.Soc.Am., v.72; 1317-1327. (2029).

Denlinger,R.P. and W.Z.Savage, 1989. Thermal stresses due to cooling of a viscoelastic oceanic lithosphere. J.Geophys.Research, v.94; 744-752. (1995).

Desmet,A.,H.Lapierre,G.Rocci,Cl.Gagny,J.-F.Parrot and M.Delaoye, 1978. Constitution and significance of the Troodos sheeted complex. Nature,v.273; 527-530. (1028).

Detrick,R.S., P.Buhl, E.Vera, J.Mutter, J.Orcutt, J.Madsen & T.Brocher, 1987. Multi-channel seismic imaging of a crustal magma chamber along the East Pacific Rise. Nature, v.326; 35-41. (1717).

Deutsch,E.R. and L.Kristjansson, 1974. Late Cretaceous-Tertiary palaeomagnetism of volcanics from Disko Island, West Greenland. Geophys.J.R.astr.Soc., v.39; 343-360. (561).

Dewey,J.F. and W.S.F.Kidd, 1977. Geometry of plate accretion. Geol.Soc.Am.Bull., v.88; 960-968. (641).

Dickson,M.H. and M.Fanelli, 1988. Geothermal R&D in developing countries: Africa, Asia and the Americas. Geothermics, v.17; 815-877. (2139).

Didyk, B.M. and B.R.T. Simoneit, 1989. Hydrothermal oil of Guaymas Basin and implications for petroleum formation mechanisms. Nature, v.342; 65-69. (2157).

Dietz,R.S., 1977. Plate tectonics: A revolution in geology and geophysics. Tectonophysics,v.38; 1-6. (582).

- Dietz,R.S. and J.C.Holden, 1972. Continents adrift: New orthodoxy or persuasive joker. Preprint, Nato symposium on continental drift, Miami,Florida,May 1972; 13 pp. (1824).
- Dillon,W.P.,F.T.Manheim,L.F.Jansa,G.Pálmasón,B.E.Tucholke a. R.S.Landrum, 1986. Resource potential of the western North Atlantic Basin. In:Vogt,P.R and B.E.Tucholke,eds.,The Geology of North America,v.M; 661-676. (1613).
- Dinesh Raj Bhattarai, 1980. Some geothermal springs of Nepal. Tectonophysics,v.62; 7-11. (1531).
- Dittmer,F.,S.Fine,M.Rasmussen,J.C.Bailey and J.Campsie, 1975. Dredged basalts from the mid-oceanic ridge north of Iceland. Nature,v.254; 298-301. (324).
- Dobrin,M.B., 1971. The geophysicist as a citizen. Geophysics, v.36; 184-188. (519).
- Dodson,M.H., 1971. Isenthalpic flow, Joule-Kelvin coefficients and mantle convection. Nature,v.234; 212. (1037).
- Doell,R.R., 1972. Palaeomagnetic studies of Icelandic lava flows. Geophys.J.R.astr.Soc,v.26; 459-479. (90).
- Donaldson,I.G., 1970. The simulation of geothermal systems with a simple convection model. Geothermics,Spec.Issue 2; 649-654. () .
- Donaldson,I.G.,M.A.Grant and P.F.Bixley, 1983. Nonstatic reservoirs: The natural state of the geothermal reservoir. J.Petr.Technol.,v.35; 189-194. (1267).
- Donn,W.L. and D.M.Wolf, 1972. Seiche and water level fluctuations in Grindavík harbor, Iceland. Limnol. and Oceanography,v.17; 639-643. (301).
- Dorian,J.P. and A.L.Clark, 1987. China's energy resources. Potential supply, problems, and implications. Energy Policy, v.15, No.1; 73-90. (1713).
- Dowdeswell,J.A., 1982. Supraglacial re-sedimentation from melt-water streams on to snow overlying glacier ice, Sylgjújökull,West Vatnajökull, Iceland. J.Glaciol., v.28; 365-375. (1219).
- Drewes,H., 1976. Berechnung regionaler Geoidundulationen durch gravimetrisches Nivellement mit Prädiktion der Schwereanomalien. Wissensch.Arb....d.Techn.Univ.Hannover,No.63,Hannover; 110 pp. (837).
- Drewes,H. and W.Torge, 1977. Gravimetric Geoiddetermination im Westharz. Allgem.Vermess.Nachr.,v.84; 265-272. (791).
- Dubourdieu,G., 1979. Sur la distribution géographique des points chauds de la terre. (Paris); 45 pp. (902).
- Duffield,W.A., 1978. Vesicularity of basalt erupted at Reykjanes Ridge crest. Nature,v.274; 217-220. (716).
- Dumont,J.-F., S.Uysal, S.Simsek, I.H.Karamanderesi and J.Letouzey, 1981. Formation of the grabens in southwestern Anatolia. Bull.Min.Res.Exploration Institute of Turkey, No.92, 1979; 7-18. (1737).
- Duncan,R.A. and D.G.Pyle, 1988. Rapid eruption of the Deccan flood basalts at the Cretaceous/Tertiary boundary. Nature, v.333; 841-843. (1839).

Dunn,J.C. and H.C.Hardee, 1981. Superconvecting geothermal zones. J.Volc.Geoth.Res., v.11; 189-201. (1257).

Dupré,B.,C.Göpel and H.Bougault, 1985. Lead isotopic variations in old oceanic crust near the Azores. Init.Repts.DSDP,v.82 (ed.H.Bougault et al.); 497-500. (1517).

Dvorov,I.M. and V.I.Dvorov, 1982. USSR geothermal resources and their complex use. Geo-Heat Center Quart.Bull.,v.7; 6-11. (1237).

Economides,M.J., D.O.Ogbe, F.G.Miller and H.J.Ramey Jr, 1982. Geothermal steam well testing: State of the art. J.Petrol.Technology, v.34; 976-988. (1935).

Edmond,J.M., 1981. Hydrthermal activity at mid-ocean ridge axes. Nature,v.290; 87-88. (1047).

Egloff,J. and G.L.Johnson, 1978. Erosional and depositional structures of the southwest Iceland insular margin: Thirteen geophysical profiles. In:Geol.Geophys.Invest. Cont.Margins, AAPG Memoir 29; 43-63. (754).

Einarsson,E.H.,G.Larsen and S.Thorarinsson, 1980. The Sólheimar tephra layer and the Katla eruption of 1357. Act.Nat.Islandica, No.28; 24 pp. (1000).

Einarsson, Þorleifur, 1962. Vitnisburður frjógreiningar um gróður, veðurfar og landnám á Íslandi. Saga 1962; 442-469. (1912).

Einarsson,P., 1976. Relative location of earthquakes in the Tjörnes Fracture Zone. Greinar V, Soc.Sci.Islandica; 45-60. ().

Einarsson,P., 1979. Seismicity and earthquake focal mechanisms along the Mid-Atlantic plate boundary between Iceland and the Azores. Tectonophysics,v.55; 127-153. (767).

Einarsson,P., 1986. Seismicity along the eastern margin of the North American Plate. In:Vogt,P.R.and B.E.Tucholke,ed.,The Geol.North America,v.M, GSA; 99-116. (1626).

Einarsson,P., 1987. Compilation of earthquake fault plane solutions in the North Atlantic and Arctic Oceans. In:Recent Plate Movements and Deformation (ed.K.Kasahara), AGU; 47-62. (1822).

Einarsson,P., 1989. Intraplate earthquakes in Iceland. In: Earthquakes at North-Atlantic Passive Margins: Neotectonics and Postglacial Rebound (ed.: S.Gregersen and P.W.Basham), Kluver Academic Publishers; 329-344. (1999).

Einarsson,P.,F.W.Klein and S.Björnsson, 1977. The Borgarfjördur earthquakes of 1974 in West Iceland. Bull.Seism.Soc.Am.,v.67; 187-208. (687).

Einarsson,Th., 1960. Geologie von Hellisheiði (Sudwest-Island).. Sonderveröff.Geol.Inst.Univ.Köln, v.5; 55 pp.. (1320).

Einarsson,Th., 1960. Geologie von Hellisheiði (Sudwest-Island). Sonderveröff.Geol.Inst.Univ.Köln, No.5; 55 pp. ().

Einarsson,Th., 1963. Askja-Ausbruch 1961 und Askja-Caldera, Island. Naturwiss.Rundschau,v.16; 302-306. (365).

Einarsson,Th., 1963. Pollen-analytical studies on the vegetation and climate history of Iceland in Late and Post-Glacial times. In: North Atlantic Biota and their History, ed. A.Löve and D.Löve. Pergamon Press; 355-365. (1919).

Einarsson,Th.,D.M.Hopkins and R.R.Doell, 1967. The stratigraphy of Tjörnes, northern Iceland, and the history of the Bering land bridge. The Bering Land Bridge(Ed.D.M.Hopkins),Stanford Univ.Press,Calif.; 312-325. (91).

Einarsson, Tr., 1937. Über die neuen Eruptionen des Geysir in Haukadalur. Greinar, I.2. Vísindafélag Íslendinga; 149-166. (1659).

Einarsson, Tr., 1941. Um möguleika til öflunar neyzluvatns í Vestmannaeyjum. Tímarit V.F.Í., v.26; 51-52. (1670).

Einarsson, Tr., 1941. Um hverarannsóknir dr. Þorkels Þorkelssonar. Tímarit V.F.Í., v.26; 52-59. (1670).

Einarsson,Tr., 1942. Über das Wesen der heissen Quellen Islands. Soc.Sci.Islandica, Publ.26; 91 pp. (250).

Einarsson,Tr., 1946. Origin of the basic tuffs of Iceland. Acta Nat.Islandica, v.1,no.1; 75 pp +3 plates. (1744).

Einarsson,Tr., 1946. Origin of the basic tuffs of Iceland. Acta Naturalia Islandica,v.I,No.1; 75 pp. ().

Einarsson,Tr., 1951. Yfirlit yfir jarðfræði Hengilssvæðisins. Tímarit V.F.Í., v.36; 49-60. (1249).

Einarsson,Tr., 1954. A survey of gravity in Iceland. Soc.Sci.Islandica, Publ.30; 22 pp. (309).

Einarsson,Tr., 1957. Magneto-geological mapping in Iceland with the use of a compass. Phil.Mag.Suppl.,v.6; 232-239. (92).

Einarsson,Tr., 1959. Studies of the Pleistocene in Eyjafjörður, Middle Northern Iceland. Soc.Sci.Islandica, Publ.33; 62 pp. ().

Einarsson,Tr., 1960. The plateau basalt areas in Iceland. In:On the Geol.Geophys.Iceland(Ed.S.Thorarinsson), IGC 1960; 5-20. ().

Einarsson,Tr., 1962. Nokkur drög að jarðsögu sjávarbotnsins kringum Ísland (On submarine geology around Iceland). Náttúrufræðingurinn, v.32; 155-175. (922).

Einarsson,Tr., 1962. Myndunarsaga Landeyja og nokkur atriði byggðarsögunnar. Saga 1962; 309-328. (1900).

Einarsson,Tr., 1962. Upper Tertiary and Pleistocene rocks in Iceland. Soc.Sci.Islandica, Publ.36; 197 pp. ().

Einarsson, Tr., 1964. Geysir í Haukadal. Geysisneft; 30 pp. (1869).

Einarsson,Tr., 1965. Remarks on crustal structure in Iceland. Geophys.J.R.astr.Soc., v.10; 283-288. (93).

Einarsson,Tr., 1966. Late and Post-glacial rise in Iceland and sub-crustal viscosity. Jökull, v.16; 157-166. (94).

Einarsson,Tr., 1966. Physical aspects of sub-glacial eruptions. Jökull, v.16; 167-174. (95).

Einarsson,Tr., 1967. The extent of the Tertiary basalt formation and the structure of Iceland. Soc.Sci.Icelandica, Publ.38; 170-179. ().

Einarsson,Tr., 1967. The Icelandic fracture system and the inferred causal stress field. Soc.Sci.Icelandica, Publ.38; 128-139. ().

Einarsson,Tr., 1967. Early history of the Scandic area and some chapters of the geology of Iceland. Soc.Sci.Icelandica, Publ.38; 13-28. ().

Einarsson,Tr., 1967. Sub-crustal viscosity in Iceland. Soc.Sci.Icelandica, Publ.38; 109-110. ().

Einarsson,Tr., 1968. Submarine ridges as an effect of stress fields. J.Geophys.Research, v.73; 7561-7576. (132).

Einarsson,Tr., 1971. Magnetic polarity groups in the Fljótsdalsheiði area, including Gilsá. Jökull, v.21; 53-58. ().

Einarsson,Tr., 1975. Several problems in radiometric dating. Jökull, v.25; 15-33. (517).

Einarsson,Tr., 1976. Upper Pleistocene volcanism and tectonism in the southern part of the median active zone of Iceland. Greinar,V,Soc.Sci.Icelandica; 119-159. (516).

Eiríksson,J., A.I.Guðmundsson, L.Kristjánsson and K.Gunnarsson, 1990. Paleomagnetism of Pliocene-Pleistocene sediments and lava flows on Tjörnes and Flatey, North Iceland. Boreas, v.19; 39-55. (2150).

Eiríksson,J. and B.J.Wigum, 1989. The morphometry of selected tephra samples from Icelandic volcanoes. Jökull, v.39; 57-74. (2148).

Ek, J., S.-Å. Ohlsson och O. Selenius, 1988. Bly, kadmium, selen - hela Sverige kartläggs. Forskning och Framsteg, 2/88 (särtryck); . (1860).

Ekman,M., J.Makinen, A.Midtsundstad and O.Remmer, 1987. Gravity change and land uplift in Fennoscandia 1966-1984. Bull.Géod., v.61; 60-64. (1769).

Elder,J., 1982. Exploitation of vigorous hydrothermal systems. Energy Exploration and Exploitation,v.1; 161-176. (1270).

Elder,J.W., 1965. Physical processes in geothermal areas. Terrestrial Heat Flow(ed.W.H.K.Lee), AGU Monograph 8; 211-239. ().

Eldholm,O. and C.C.Windisch, 1974. Sediment distribution in the Norwegian-Greenland Sea. Geol.Soc.Am.Bull., v.85; 1661-1676. (28).

Eldholm,O. and M.Talwani, 1977. Sediment distribution and structural framework of the Barents Sea. Geol.Soc.Am.Bull., v.88; 1015-1029. (652).

Elíasson,E.T., 1988. Geothermal conversion and its role. Handrit; 22 pp. (2007).

Elíasson,E.T. and Á.Einarsson, 1982. Corrosion in Icelandic high temperature geothermal systems. Corrosion /82, Paper no. 67; 10 pp. (1057).

Elíasson,E.T., Á.Einarsson and V.K.Jónsson, 1980. Krafla geothermal electric power plant, Iceland. Geoth.Res.Council,Trans.,v.4; 499-502. (998).

Eliasson,E.T.,G.Björnsson,M.Matthiasson,R.Maack,S.Sigfusson and V.K.Jonsson, 1982. Collection and transmission of two-phase geofluid at the Krafla geothermal power plant, Iceland. Int.Conf.Geoth.Energy Proc.,Florence,Italy,May 11-14,1982; 201-215. (1089).

Elíasson,E.T.,G.I.Gunnarsson,S.Sigfússon,R.Maack and M.Matthíasson, 1981. The Krafla project; technical features and operating experience. Geoth.Res.Council.Trans.,v.5; 15-22. (1077).

Elíasson,E.T., K.Sæmundsson, S.Pórhallsson og L.S.Georgsson, 1987. Rannsóknir Orkustofnunar í þágu fiskeldis. Eldisfréttir, v.3, 4.tbl.; 38-48. (1758).

Eliasson,H. and J.Eliasson, 1972. Pumping from elastic artesian aquifers. Int.J.Engng Sci.,v.10; 409-423. (280).

Eliasson,J. and S.P.Kjaran, 1976. Reservoir mechanism analysed by the method of Galerkin and orthogonal eigenfunctions. Nordic Hydrol.,v.7; 31-42. (593).

Elkington,J.. 1978. Geothermal energy in Iceland. New Scientist, 16 Feb 1978; 439-441. (1608).

Elliott,W.P., 1984. The pre-1958 atmospheric concentration of carbon dioxide. EOS, v.(1984); 416-417. (2038).

Emerman,S.H. and D.L.Turcotte, 1984. The mid-ocean ridge axial valley as a steady-state neck. Earth Planet.Sci.Letters, v.71; 141-146. (1752).

Etoubleu,J.,H.Bougault,M.Rideout,J.Brannon and B.Weaver, 1985. Analysis of trace elements in basalts by shipboard x-ray fluorescence spectrometry: A discussion of niobium. Init.Repts.DSDP,v.82 (ed.H.Bougault); 35-43. (1520).

Evans,J.R. and I.S.Sacks, 1979. Deep structure of the Iceland plateau. J.Geophys.Research, v.84; 6859-6866. (996).

Evans,J.R. and I.S.Sacks, 1979. Structure of the oceanic lithosphere from surface-wave observations: The Iceland Plateau. Carnegie Inst.Washington Year Book 78; 311-320. (1606).

Everts,P., 1975. Die Geologie von Skagi und der Ost-Kuste des Skagafjords (Nord-Island). Unter besonderer Berücksichtigung der Petrographie u. Geochemie d. Basalte. Sonderveröff.Geol.Inst.Univ.Köln,v.25; 120 pp. (467).

Everts,P.,L.E.Koerfer and M.Schwarzbach, 1972. Neue K/Ar-Datierungen islandischer Basalte. N.Jb.Geol.Palaont.Mh.,Jg.1972,H.5; 280-284. (131).

Ewing,J. and M.Ewing, 1967. Sediment distribution on the mid-ocean ridges with respect to spreading of the sea floor. Science,v.156; 1590-1592. (447).

Eysteinsson,H. and J.F.Hermance, 1985. Magnetotelluric measurements across the eastern neovolcanic zone in South Iceland. J.Geophys.Research, v.90; 10093-10103. (1448).

Ez,V.V., 1984. Struktura islandii i spreding okeanicheskogo dna. Geotektonika, v.3; 100-111. (1384).

Fabre,P., Y.Kast and M.Girod, 1989. Estimation of flow duration of basaltic magma in fissures. J.Volcanol.Geoth.Research, v.37; 167-186. (2056).

Facca,G. and A.ten Dam, 1964. Geothermal power economics. Worldwide Geothermal Exploration Company, Calif.; 45 pp. (1816).

Fairhead,J.D. and R.W.Girdler, 1969. How far does the rift system extend through Africa?. Nature,v.221; 1018-1020. (409).

Fanelli,M., 1985. Geothermal training in Pisa (Italy): 1970-1984. Geothermics, v.14; 109-113. (1481).

Fanelli,M. and L.Taffi, 1980. Status of geothermal research and development in the world. Rev.l'Inst.Franc.Petrole,v.35; 429-448. (875).

Fanelli,M. and M.H.Dickson, 1987. The geothermal training centres sponsored by United Nations Organizations. Geothermics, v.17; 281-289. (2136).

Fanning,K.A.,R.H.Byrne,J.A.Breland II,P.R.Betzer,W.S.Moore,R.J.Elsinger and T.E.Pyle, 1981. Geothermal springs of the West Florida continental shelf: Evidence for dolomitization and radionuclide enrichment. Earth Planet.Sci.Letters,v.52; 345-354. (977).

Faure,H., 1971. Relations dynamiques entre la crouête et le manteau d'apres l'étude et l'évolution paléogéographique des bassins sédimentaires. C.R.Acad.Sc.Paris,v.272; 3239-3242. (431).

Faure,H., 1975. Mouvements "absolus" de la lithosphère: exemple de la plaque arabique. C.R.Acad.Sc.Paris,v.280,Série D; 951-954. (30).

Fazzuoli,M.,C.A.Garzonio and P.Vannocci, 1983. Considerazioni sui caratteri strutturali e morfologici della parte settentrionale della dorsale medio-Toscana, nell'area di San Gimignano (Siena). Mem.Soc.Geol.It., v.25; 165-183. (1564).

Featherstone,P.S.,M.H.P.Bott and J.H.Peacock, 1977. Structure of the continental margin of south-eastern Greenland. Geophys.J.R.astr.Soc., v.48; 15-27. (640).

Fehn,U.and L.M.Cathles, 1986. The influence of plate movements on the evolution of hydrothermal convection cells in the oceanic crust. Tectonophysics,v.125; 289-312. (1544).

Felbeck, H., 1981. Chemoautotrophic potential of the hydrothermal vent tube worm, Riftia pachyptila Jones (vestimentifera). Science, v. 213; 336-338. (2121).

Ferrara,G.,M.Fytikas,O.Giuliani and G.Marinelli, 1980. Age of the formation of the Aegean active volcanic arc. In:Thera and the Aegean World II (ed. C.Doumas); 37-41. (1394).

Fleischer,U., 1969. Investigations of rifts by shipboard magnetic and gravity surveys: Gulf of Aqaba - Red Sea and Reykjanes Ridge. Deut.Hydrogr.Zeit.,v.22; 205-208. (130).

Fleischer,U., 1971. Gravity surveys over the Reykjanes Ridge and between Iceland and the Faeroe Islands. Mar.Geophys.Researches, v.1; 314-327. (45).

Fleischer,U.,F.Holzkamm,K.Vollbrecht and D.Voppel, 1974. Die Struktur des Island-Faröer-Rückens aus geophysikalischen Messungen. Deut.Hydrogr.Zeit.,v.27; 97-113. (1).

- Flóvenz,Ó.G., 1979. Analyse av refraksjonsseismiske og teleseismiske data fra Island. Dr. ritgerð við háskólann í Bergen; 183 bls +79 bls viðauki (í hillu). (1972).
- Flóvenz,Ó.G., 1980. Seismic structure of the Icelandic crust above layer three and the relation between body wave velocity and the alteration of the basaltic crust. J.Geophysics, v.47; 211-220. (803).
- Flóvenz,Ó.G., 1981. Setlög undir suðurströnd Íslands. Náttúrufræðingurinn,v.51; 169-177. (1240).
- Flóvenz,Ó.G., 1984. Application of the head-on resistivity profiling method in geothermal exploration. Geoth.Res.Council,Trans.,v.8; 493-498. (1574).
- Flóvenz,Ó.G.,L.S.Georgsson and K.Árnason, 1985. Resistivity structure of the upper crust in Iceland. J.Geophys.Research, v.90; 10136-10150. (1452).
- Flovenz,O.G., 1984. Application of the head-on resistivity profiling method in geothermal exploration.. Geoth.Res.Council,Trans.,v.8.; 493-498.. (1322).
- Forsyth,D. and S.Uyeda, 1975. On the relative importance of the driving forces of plate motion. Geophys.J.R.astr.Soc., v.43; 163-200. (543).
- Forsyth,D.W., 1979. Lithospheric flexure. Rev.Geophys.Space Physics,v.17; 1109-1114. (906).
- Forsyth,D.W., 1985. Subsurface loading and estimates of the flexural rigidity of continental lithosphere. J.Geophys.Research, v.90; 12623-12632. (1484).
- Foulger,G. and R.E.Long., 1984. Anomalous focal mechanisms: tensile crack formation on an accreting plate boundary.. Nature,v.310.; 43-45.. (1323).
- Foulger,G.R., 1988. Hengill triple junction, SW Iceland 1. Tectonic structure and the spatial and temporal distribution of local earthquakes. J.Geophys.Research, v.93; 13493-13506. (1913).
- Foulger,G.R., 1988. Hengill triple junction, SW Iceland 2. Anomalous earthquake focal mechanisms and implications for process within the geothermal reservoir and at accretionary plate boundaries. J.Geophys.Research, v.93; 13507-13523. (1914).
- Foulger,G.R. and D.R.Toomey, 1988. Structure and evolution of the Hengill-Grensdalur volcanic complex, Iceland: Geology, geophysics and seismic tomography. Preprint, Sept. 1988; 34 pp. (1862).
- Foulger,G.R., R.E.Long, P.Einarsson and A.Björnsson, 1989. Implosive earthquakes at the active accretionary plate boundary in northern Iceland. Nature, v.337; 640-642. (1984).
- Fountain,D.M., 1986. Is there a relationship between seismic velocity and heat production for crustal rocks?. Earth Planet.Sci.Letters,v.79; 145-150. (1619).
- Fournier,R.O. and A.H.Truesdell, 1974. Geochemical indicators of subsurface temperature - part 2, estimation of temperature and fraction of hot water mixed with cold water. Jour.Research U.S.Geol.Survey,v.2,No.3; 263-270. (1360).
- Fournier,R.O.,D.E.White and A.H.Truesdell, 1974. Geochemical indicators of subsurface temperature - part 1, basic assumptions. Jour.Research U.S.Geol.Survey,v.2,No.3; 259-262. (1359).

- Fowler,C.M.R., 1976. Crustal structure of the Mid-Atlantic ridge crest at 37 N. Geophys.J.R.astr.Soc., v.47; 459-491. (548).
- Fowler,C.M.R., 1978. The Mid-Atlantic Ridge: structure at 45 N. Geophys.J.R.astr.Soc., v.54; 167-183. (736).
- Fowler,S.R., R.S.White, G.D.Spence and K.G.Westbrook, 1989. The Hatton Bank continental margin - II. Deep structure from two-ship expanding spread seismic profiles. Geophys.Journal, v.96; 295-309. (2082).
- Fox,P.J. and B.C.Heezen, 1965. Sands of the Mid-Atlantic Ridge. Science,v.149; 1367-1370. (433).
- Franceschelli,M., E.Pandeli and M.Puxeddu, 1984. Kyanite-bearing early Alpine metapsammite in the Larderello geothermal region (Italy) and its implications to Alpine metamorphism and Triassic paleogeography. Schweiz.mineral.petrogr.Mitt., v.64; 405-422. (2102).
- Francheteau,J. and R.D.Ballard, 1983. The East Pacific Rise near 21 N, 13 N and 20 S: inferences for along-strike variability of axial processes of the Mid-Oceanic Ridge. Earth Planet.Sci.Letters, v.64; 93-116. (1791).
- Francis,T.J.G., 1968. Seismicity of mid-oceanic ridges and its relation to properties of the upper mantle and crust. Nature,v.220; 899-901. (222).
- Francis,T.J.G., 1969. Upper mantle structure along the axis of the Mid-Atlantic Ridge near Iceland. Geophys.J.R.astr.Soc., v.17; 507-520. (129).
- Francis,T.J.G., 1973. The seismicity of the Reykjanes Ridge. Earth Planet.Sci.Letters,v.18; 119-124. (127).
- Francis,T.J.G., 1974. A new interpretation of the 1968 Fernandina caldera collapse and its implications for the mid-oceanic ridges. Geophys.J.R.astr.Soc., v.39; 301-318. (329).
- Francis,T.J.G. and I.T.Porter, 1971. A statistical study of Mid-Atlantic Ridge earthquakes. Geophys.J.R.astr.Soc., v.24; 31-50. (128).
- Francis,T.J.G. and I.T.Porter, 1972. Microearthquake survey of the Mid-Atlantic Ridge. Nature,v.240; 547-549. (236).
- Francis,T.J.G. and I.T.Porter, 1973. Median valley seismology: the Mid-Atlantic Ridge near 45 N. Geophys.J.R.astr.Soc., v.34; 279-311. (27).
- Francis,T.J.G.,I.T.Porter and J.R.McGrath, 1977. Ocean-bottom seismograph observations on the Mid-Atlantic Ridge near lat 37 N. Geol.Soc.Am.Bull., v.88; 664-677. (745).
- Francis,T.J.G.,I.T.Porter and R.C.Lilwall, 1978. Microearthquakes near the eastern end of St.Paul's fracture zone. Geophys.J.R.astr.Soc., v.53; 201-217. (743).
- Francis,T.J.G.,I.T.Porter,R.D.Lane,P.J.Osborne,J.E.Pooley and P.K.Tomkins, 1975. Ocean bottom seismograph. Mar.Geophys.Researches, v.2; 195-213. (430).
- Frank,F.C., 1968. Two-component flow model for convection in the Earth's upper mantle. Nature,v.220; 350-352. (499).

Frankel, H., 1987. Jan Hospers and the rise of paleomagnetism. EOS, June 16, 1987; 577-581. (1687).

Franko,O., 1980. Geothermal energy resources in Slovakia (conditions,methods and results of research). Západné Karpaty,ser.hydrogeol. a inz.geologia 3,G.Ú.D.S.,Bratislava; 61-120. (1011).

Franzson,H., 1983. The Svartsengi high-temperature field, Iceland. Subsurface geology and alteration.. Geoth.Res.Council Trans., v.7.; 141-145.. (1308).

Franzson,H., 1987. The Eldvörp high-temperature area, SW-Iceland. Geothermal geology of the first exploration well. Proc.9th NZ Geoth.Workshop 1987; 179-185. (1796).

Frazier,K., 1979. Spotlight on hot spots. Science News,v.116; 202-205. (991).

Freund,R., 1974. Kinematics of transform and transcurrent faults. Tectonophysics,v.21; 93-134. (697).

Friðleifsson,I.B., 1985. Jarðsaga Esju og nágrennis. Árbók Ferðafélags Íslands 1985; 141-172. (1573).

Fridleifsson,G.Ó., 1983. Mineralogical evolution of a hydrothermal system. G.R.C.Trans.; . (1253).

Fridleifsson,G.O., 1984. Mineralogical evolution of a hydrothermal system II. Heat sources - Fluid interactions. GRC - Transactions 8; (preprint). (1431).

Fridleifsson,I.B., . Applied volcanology in geothermal exploration in Iceland. Pageoph.,v.117; 242-252. (648).

Fridleifsson,I.B., 1977. Distribution of large basaltic intrusions in the Icelandic crust and the nature of the layer 2- layer 3 boundary. Geol.Soc.Am.Bull., v.88; 1689-1693. (647).

Fridleifsson,I.B., 1978. Living on a constructive plate boundary. Episodes, v(1978), No.4; 9-11. (1836).

Fridleifsson,I.B., 1982. Geothermal research and development in Iceland 1982. Proc.Pacific Geoth.Conf. and the 4 N.Z. Geoth.Workshop, Auckland, Nov.1982; 357-364. (1844).

Fridleifsson,I.B., 1982. Geothermal training in Iceland. Proc.Pacific Geoth.Conf. and the 4 N.Z.Geoth. Workshop, Auckland, Nov.1982; 398-404. (1845).

Fridleifsson,I.B., 1986. Geothermal resources: Present status and future potential in the world energy supply. World Energy Conference,Cannes,France,5.-11.October 1986; 24 pp. (1489).

Fridleifsson, I.B., 1986. Geothermal resources: Present status and future potential in the world energy supply. 13th Congress of the World Energy Conference, Cannes, 1986; 24 pp. (1674).

Fridleifsson,I.B. and L.Kristjánsson, 1972. The Stardalur magnetic anomaly, SW-Iceland. Jökull, v.22; 69-78. (126).

Fridleifsson,I.B., H.Furnes and F.B.Atkins, 1982. Subglacial volcanics - On the control of magma chemistry on pillow dimensions. *J.Volcanol.Geoth.Research*, v.13; 103-117. (1940).

Friedman,J.D. and D.Frank, 1980. Infrared surveys,radiant flux, and total heat discharge at Mount Baker Volcano,Washington,between 1970 and 1975. *U.S.Geol.Survey Prof.Paper 1022-D*; 33 pp. (990).

Friedman,J.D., C.E.Johansson, N.Oskarsson, H.Svensson, S.Thorarinsson and R.S.Williams, 1971. Observations on Icelandic polygon surfaces and palsas areas. Photo interpretation and field studies. *Geogr.Annaler*, v.53; 115-145. (1951).

Friedman,J.D.,D.M.Preble and S.Jakobsson, 1976. Geothermal flux through palagonitized tephra, Surtsey, Iceland - The Surtsey temperature-data-relay experiment via Landsat-1. *J.Research U.S.G.S.*,v.4(6); 645-659. (565).

Friedman,J.D.,R.S.Williams,Jr.,G.Pálmasón and C.D.Miller, 1969. Infrared surveys in Iceland - preliminary report. *U.S.Geol.Survey Prof.Paper 650-C*; C89-C105. (1161).

Friedman,J.D.,R.S.Williams,Jr.,S.Thorarinsson and G.Pálmasón, 1972. Infrared emission from Kverkfjöll subglacial volcanic and geothermal area, Iceland. *Jökull*, v.22; 27-43. (46).

Fuchs,R.L. and W.H.Westphal, 1973. Energy shortage stimulates geothermal exploration. *World Oil*, Dec.1973; 5 pp. (1941).

Fukuyama,H., 1985. Heat of fusion of basaltic magma. *Earth Planet.Sci.Letters*,v.73; 407-414. (1546).

Furnes,H. and I.B.Friðleifsson, 1974. Tidal effects on the formation of pillow lava/hyaloclastite deltas. *Geology*, v.2; 381-384. (307).

Furuta,T., H.Fujimoto and H.Toh, 1987. Is the oceanic crust over 1 km necessary for the source af marine magnetic anomalies?. *Phys.Earth Planet.Interiors*, v.49; 117-120. (1800).

Fytikas,M. and G.Marinelli, 1976. Geology and geothermics of the island of Milos (Greece). *I.G.M.R. publ.*; 58+ pp. (1363).

Fytikas,M.,F.Innocenti,N.Kolios,P.Manetti,R.Mazzuoli,G.Poli,F.Rita and L.Villari, 1986. Volcanology and petrology of volcanic products from the island of Milos and neighbouring islets. *J.Volcanol.Geoth.Research*, v.28; 297-317. (1543).

Fytikas,M.,F.Innocenti,P.Manetti,R.Mazzuoli,A.Peccerillo and L.Villari, 1985. Tertiary to Quaternary evolution of volcanism in the Aegian region. In:*The Geological Evolution of the Eastern Mediterranean*,Oxford; 687-699. (1392).

Fytikas,M.,O.Giuliani,F.Innocenti,P.Manetti,R.Mazzuoli,A.Peccerillo and Villari, 1979. Neogene volcanism of the northern and central Aegean region. *Annales Géologiques des Pays Helléniques*,v.30; 106-129. (1393).

Gaffin,S., 1987. Ridge volume dependence on seafloor generation rate and inversion using long term sealevel change. *Am.J.Science*, v.287; 596-611. (1743).

Gage,M.. 1953. The study of Quaternary strand-lines in New Zealand. *Trans.Roy.Soc.New Zealand*, v.81; 27-34. (1849).

- Gairaud,H.,G.Jacquart,F.Aubertin and P.Beuzart, 1978. The Jan Mayen Ridge synthesis of geological knowledge and new data. *Oceanologica Acta*,v.1 (3); 335-358. (843).
- Galdeano,A.,V.Courtillot,E.LeBorgne,J.-L.LeMouel and J.-C.Rossignol, 1974. An aeromagnetic survey of the southwest of the western Mediterranean: Description and tectonic implications. *Earth Planet.Sci.Letters*,v.23; 323-336. (435).
- Gale,N.H.,S.Moorbach,J.Simons and G.P.L.Walker, 1966. K-Ar ages of acid-intrusive rocks from Iceland. *Earth Planet.Sci.Letters*,v.1; 284-288. (125).
- Garfunkel,Z., 1974. Model for the Late Cenozoic tectonic history of the Mojave desert, California, and for its relation to adjacent regions. *Geol.Soc.Am.Bull.*, v.85; 1931-1944. (784).
- Garfunkel,Z., 1975. Growth,shrinking, and long-term evolution of plates and their implications for the flow pattern in the mantle. *J.Geophys.Research*, v.80; 4425-4432. (783).
- Garfunkel,Z. and Y.Bartov, 1977. The tectonics of the Suez Rift. *Geol.Surv.Israel Bull.*,v.71; 1-44. (778).
- Garnish,J.D., 1978. Progress in geothermal energy. *Endeavour*,v.2; 66-71. (1462).
- Gass,I.G., 1968. Is the Troodos Massif of Cyprus a fragment of Mesozoic ocean floor?. *Nature*,v.220; 39-42. (1178).
- Gass,I.G., 1970. The evolution of volcanism in the junction area of the Red Sea, Gulf of Aden and Ethiopian rifts. *Phil.Trans.Roy.Soc.Lond.A*,v.267; 369-381. (1177).
- Gass,I.G., 1972. The role of magmatic processes in continental rifting and sea-floor spreading. Fourth Tomkeieff Mem.Lecture, Univ.Newcastle upon Tyne,27 Oct.1972; . (261).
- Gass,I.G., 1972. Proposals concerning the variation of volcanic products and processes within the oceanic environment. *Phil.Trans.Roy.Soc.Lond.A*,v.271; 131-140. (1176).
- Gass,I.G., 1982. Ophiolites. *Sci.American*,v.247; 108-117. (1332).
- Gass,I.G. and J.D.Smewing, 1973. Intrusion,extrusion and metamorphism at constructive margins: evidence from the Troodos Massif, Cyprus. *Nature*,v.242; 26-29. (306).
- Gass,I.G.,D.I.J.Mallick and K.G.Cox, 1973. Volcanic islands of the Red Sea. *J.Geol.Soc.London*,v.129; 275-310. (262).
- Gast,P.W., 1968. Trace element fractionation and the origin of tholeiitic and alkaline magma types. *Geochim.Cosmochim.Acta*,v.32; 1057-1086. (293).
- Gautneb,H., 1988. Structure, age and formation of dykes on the island of Smøla, Central Norway. *Norsk Geol.Tidsskrift*, v.68; 275-288. (1988).
- Gautneb,H., A.Gudmundsson and N.Oskarsson, 1989. Structure, petrochemistry and evolution of a sheet swarm in an Icelandic central volcano. *Geol.Mag.*, v.126; 659-673. (2117).
- Gavrilenko,P. and Y.Gueguen, 1989. Pressure dependance of permeability: a model for cracked rocks. *Geophys.J.Int.*, v.98; 159-172. (2078).

Gebrande,H., 1975. Ein Beitrag zur Theorie thermischer Konvektion im Erdmantel mit besonderer Berücksichtigung der Möglichkeit eines Nachweises mit Methoden der Seismologie. Dissertation,Ludwig-Maximilian Universität, München; 159 pp. (567).

Gebrande,H., 1976. A seismic ray tracing method for two-dimensional inhomogeneous media. In:Explosion Seismology in Central Europe(ed.Giese,Prodehl,Stein); 162-167. (568).

Gebrande,H.,H.Miller and P.Einarsson, 1980. Seismic structure of Iceland along RRISP-profile I. J.Geophysics, v.47; 239-249. (864).

Genshaft,J.S.,A.J.Saltykovskij,W.Kramer and W.Seifert, 1985. Spinell-Lherzolith-Xenolithe in tertiären Basalten der Lausits (DDR) und Probleme des Mantelmagmatismus. Z.geol.Wiss.Berlin,v.13; 6647-658. (1572).

Genshaft,Y. and A.Saltykovsky, 1985. Geophysical fields of Cenozoic intracontinental volcanism and petrological models of the earth's crust and the upper mantle (Mongolia). Z.geol.Wiss.Berlin,v.13; 463-472. (1571).

Genshaft,Yu.S., A.K.Yukhanjan, A.T.Veguni, A.J.Saltykovsky and R.G.Gevorkjan, 1985. On peculiarities of endogenous regimes of Armenian volcanic plateau in Cenozoic (in Russian). Geotektonika, Akad.Nauk SSSR, v.2(?); 67-75. (2002).

Genshaft,Yu.S. and A.J.Saltykovsky, 1985. Temperaturnie priznaki evolutsii riftovogo redschima kontinentov. Dokladi Akad.Nauk SSSR, v. 283, No.5; 1256-1259. (2001).

Georgsson,L.S., 1981. A resistivity survey on the plate boundaries in the western Reykjanes peninsula, Iceland. Geoth.Res.Council,Trans.,v.5; 75-78. (1083).

Georgsson,L.S.,G.I.Haraldsson,H.Jóhannesson and E.Gunnlaugsson, 1985. The Vellir thermal field in Borgarfj~r`ur, West Iceland. Jökull, v.35; 51-60. (1473).

Georgsson,L.S.,H.Johannesson and E.Gunnlaugsson., 1981. The Baer thermal area in western Iceland: Exploration and exploitation.. Geoth.Res.Council Trans., v.5.; 511-514.. (1313).

Georgsson,L.S.,H.Johannesson,E.Gunnlaugsson and G.I.Haraldsson., 1984. Geothermal exploration of the Reykholt thermal system in Borgarfjördur, West Iceland.. Jökull, v.34; 105-116.. (1325).

Geptner,A.R., 1976. Physico-geographical depositional environments of late Cenozoic volcano-sedimentary assemblages of Iceland. Int.Geol.Congress,XXV Session; Rep.of Soviet geologists; 36-41. (620).

Geptner,A.R., 1977. Palagonit i prozess palagonitizatsii. Litologija i poleznie iskopaemie,No.5, Akad.Nauk USSR; 113-130. (727).

Geri,G.,I.Marson,A.Rossi and B.Toro, 1982. Gravity and elevation changes in the Travale geothermal field (Tuscany) Italy. Geothermics, v.11; 153-161. (1551).

Geri,G.,I.Marson,A.Rossi and B.Toro, 1985. Crustal deformation and gravity changes during the first ten years of exploitation of the new Travale-Radicondoli geothermal field, Italy. Geothermics, v.14; 273-285. (1566).

Gerke,K., 1978. Geodätischer Beitrag zur Geodynamik von Island. Inst.Vermessungswesen u. Photogrammetrie,Univ.Innsbruck; 197-218. (819).

- Gerke,K.,D.Möller and B.Ritter, 1978. Geodätische Lagemessungen zur Bestimmung horizontaler Krustenbewegungen in Nordost-Island. In: Festschrift fur Walter Höpcke, Hannover; 23-33. (733).
- Gerke,Knetsch,Pelzer,Spickernagel,Schleusener,Torge,Angenheister,Becker,Mohr and Steinwachs, 1972. Island. In:Das Unternehmen Erdmantel.Deutsche Forsch.Gemeinsch.,Wiesbaden; 101-119. (288).
- Gianelli,G., 1985. On the origin of geothermal CO₂ by metamorphic processes. *Boll.Soc.Geol.It.*, v.104; 575-584. (2107).
- Gianelli,G. and G.Scandiffio, 1989. The Latera geothermal system (Italy): Chemical composition of the geothermal fluid and hypothesis on its origin. *Geothermics*, v.18; 447-463. (2141).
- Gianelli,G. and M.Puxeddu, 1979. An attempt at classifying the Tuscan Paleozoic: Geochemical data. *Mem.Soc.Geol.It.*, v.20; 435-446. (1063).
- Gianelli,G., M.Puxeddu, F.Batini, G.Bertini, I.Dini, E.Pandeli and R.Nicolich, 1988. Geological model of a young volcano-plutonic system: The geothermal region of Monte Amiata (Tuscany, Italy). *Geothermics*, v.17; 719-734. (2137).
- Gibbs, A.D., 1984. Structural evolution of extensional basin margins. *J.geol.Soc.London*, v.141; 609-620. (1675).
- Gibowicz,S.J., 1973. Patterns of earthquake swarm activity. *Annali di Geofisica*, v.26; 637-658. (1944).
- Gibson,I.L., 1966. The crustal structure of eastern Iceland. *Geophys.J.R.astr.Soc.*, v.12; 99-102. (124).
- Gibson,I.L., 1966. Crustal flexures and flood basalts. *Tectonophysics*,v.3; 447-456. (1159).
- Gibson,I.L., 1969. A comparative account of the flood basalt volcanism of the Columbia Plateau and eastern Iceland. *Bull.Volcanologique*,v.33; 419-437. (1160).
- Gibson,I.L., 1969. Origin of some Icelandic pitchstones. *Lithos*, v.2; 343-349. (1175).
- Gibson,I.L., 1970. Origin of some Icelandic pitchstones.Reply to a discussion by H.Sigurdsson. *Lithos*, v.3; 372-373. (355).
- Gibson,I.L. and A.D.Gibbs, 1987. Accretionary volcanic processes and the crustal structure of Iceland. *Tectonophysics*, v.133; 57-64. (1715).
- Gibson,I.L. and J.D.A.Piper, 1972. Structure of the Icelandic basalt plateau and the process of drift. *Phil.Trans.Roy.Soc.Lond.A*,v.271; 141-150. (122).
- Gibson,I.L.,D.J.J.Kinsman and G.P.L.Walker, 1966. Geology of the Fáskrúðsfjörður area, eastern Iceland. *Soc.Sci.Icelandica*, Greinar IV.2; 1-52. (827).
- Gibson, I.L. (editor), 1979. Crust of oceanic affinity in Iceland. *Nature*,v.281; 347-351. (795).
- Gill,M.M., 1985. Solar ponds, moderate temperature geothermal and hydrothermal sources and technologies for their utilization for generation of electric power,..... FAO/CNRE Conference, Rome 21-24 January 1985; 10 pp. (1403).

Girdler,R.W., 1975. The great negative Bouguer anomaly over Africa. EOS,Trans.Am.Geophys.Union,v.56; 516-519. (515).

Girdler,R.W., 1989. A.M.Quennell. Father of transform faults and poles of rotation?. EOS, v.70; 193-205. (1997).

Gläser/Schneitzer, . Energiequellen, Island. I: Wissenschaftliche Länderkunde, Band 28; 245-268. (2072).

Glenn,W.E., H.P.Ross and J.W.Atwood, 1982. Rewiev of well logging in the Basin and Range Known Geothermal Resource Areas. J.Petrol.Technology, v.34; 1104-1118. (1937).

Gliko,A.O. and J.-C.Mareschal, 1989. Non-linear asymptotic solution to Stefan like problems and the validity of the linear approximation. Manuscript, submitted to Geophysical Journal; 25 pp. (2000).

Gliko,A.O. and V.N.Zharkov, 1977. Absorptioñ of seismic waves in a partially melted medium. Izv.Acad.Sci.USSR,Phys.Solid Earth,v.13,No.5; 360-361. (903).

Godby,E.A.,P.J.Hood and M.E.Bower, 1968. Aeromagnetic profiles across the Reykjanes Ridge southwest of Iceland. J.Geophys.Research, v.73; 7637-7649. (121).

Goguel,J., 1953. Le régime thermique de l'eau souterraine. Annales de mines, v. X; 1-29. (1835).

Gold,T., 1988. Ancient carbon sources of atmospheric methane. Nature, v.335; 404. (1896).

Goslin,J.,P.Beuzart,J.Francheteau and X.LePichon, 1972. Thickening of the oceanic layer in the Pacific Ocean. Mar.Geophys.Researches, v.1; 418-427. (233).

Gough,D.I., 1986. Seismic reflectors, conductivity, water and stress in the continental crust. Nature,v.323; 143-144. (1620).

Gouin,P., 1976. Seismic zoning in Ethiopia. Bull.Geophys.Observatory,Addis Ababa University,No.17,July 1976; 46 pp. (553).

Grassle,J.F., 1985. Hydrothermal vent animals: Distribution and biology. Science,v.229; 713-717. (1582).

Gregory,A.R., 1977. Aspects of rock physics from laboratory and log data that are important to seismic interpretation. In:Seismic Stratigraphy-application...(ed.:C.E.Payton),AAPG Mem. 26; 15-46. (759).

Griffin,W.L.,B.Sundvoll and H.Kristmannsdottir, 1974. Trace element composition of anorthosite plagioclase. Earth Planet.Sci.Letters,v.24; 213-223. (479).

Gringarten,A.C. and P.A.Witherspoon., 1972. A method of analysing pump test data from fractured aquifers.. Int.Soc.Rock Mech., Stuttgart.; . (1312).

Gröndal, B., 1926. Notkun þvottalauganna í Reykjavík. Tímarit V.F.Í., v.11; 44-47. (1665).

Gröndal, B., 1928. Hagnýting hveraorku. Tímarit V.F.Í., v.13; 33-35. (1663).

- Grönlie,G. and M.Talwani, 1979. Bathymetry of the Norwegian-Greenland Sea. In:Geophys.Stud.Norw.-Greenland Sea,Norsk Polarinst.Skr.,Nr.170; 3-24. (985).
- Grönlie,G. et al., 1979. Geophysical studies in the Norwegian-Greenland Sea. Norsk Polarinst.Skrifter,Nr.170; 1-61. (984).
- Grönlie,G.,M.Chapman and M.Talwani, 1979. Jan Mayen Ridge and Iceland Plateau: origin and evolution. In:Geophys.Stud.Norw.-Greenland Sea,Norsk Polarinst.Skr.,Nr.170; 25-47. (986).
- Grönvold,K., 1984. Mývatn fires 1724-1729; chemical composition of the lava. Nord.Volc.Institute, Report 8401 (mimeogr); 30 pp. (1341).
- Grönvold,K. and H.Jóhannesson, 1984. Eruption in Grímsvötn 1983; course of events and chemical studies of the tephra. Jökull, v.34; 1-11. (1339).
- Gronvold,K.,G.Larsen,P.Einarsson,S.Thorarinsson and K.Saemundsson, 1983. The Hekla eruption 1980-1981. Bull.Volcanol.,v.46; 349-363. (1340).
- Groten,E., 1975. Some problems of large-scale gravity interpretation. J.Geophysics, v.41; 659-679. (468).
- Gudlaugsson,S.T., K.Gunnarsson, M.Sand and J.Skogseid, 1987. Tectonic and volcanic events at the Jan Mayen Ridge microcontinent. Preprint; 19 pp. (1740).
- Guðmundsson,Á., 1986. Sprungurnar á Þingvöllum og myndun þeirra. Náttúrufræðingurinn,v.56; 1-18. (1627).
- Gudmundsson,Á., 1986. Formation of crustal magma chambers in Iceland. Geology,v.14; 164-166. (1493).
- Gudmundsson,Á., 1986. Possible effect of aspect ratios of magma chambers on eruption frequency. Geology,v.14; 991-994. (1634).
- Guðmundsson,Á., 1987. Kvikuholf í gosbeltum Íslands. Náttúrufræðingurinn, v.57; 37-53. (1777).
- Gudmundsson,Á., 1987. Tectonics of the Thingvellir fissure swarm, SW Iceland. J.Structural Geology,v.9; 61-69. (1635).
- Gudmundsson,A., 1983. Form and dimensions of dykes in eastern Iceland. Tectonophysics, v.95; 295-307. (1802).
- Gudmundsson, A., 1984. Formation of dykes, feeder-dykes, and the intrusion of dykes from magma chambers. Bull.Volcanol.,v.47; 537-550. (1507).
- Gudmundsson,A., 1986. Mechanical aspects of postglacial volcanism and tectonics of the Reykjanes peninsula, Southwest Iceland. J.Geophys.Research, v.91; 12711-12721. (1637).
- Gudmundsson,A., 1987. Geometry, formation and development of tectonic fractures on the Reykjanes Peninsula, southwest Iceland. Tectonophysics, v.139; 295-308. (1721).
- Gudmundsson,A., 1987. Formation and mechanics of magma reservoirs in Iceland. Geophys.J.R.astr.Soc., v.91; 27-41. (1738).
- Gudmundsson,A., 1987. . J.Volcanol.Geoth.Research, v.34; 65-78. (1779).

Gudmundsson,A., 1988. Formation of collapse calderas. *Geology*, v.16; 808-810. (1874).

Gudmundsson,A., 1988. Effect of tensile stress concentration around magma chambers on intrusion and extrusion frequencies. *J.Volcanol.Geoth.Research*, v.35; 179-194. (1974).

Guðmundsson,Á., 1989. Innskotatíðni kvíkuhólfa og gostíðni eldstöðvakerfa. *Náttúrufræðingurinn*, v.59; 39-54. (2080).

Gudmundsson,A., 1990. Emplacement of dikes, sills and crustal magma chambers at divergent plate boundaries. *Tectonophysics*, v.176; 257-275. (2153).

Gudmundsson,F.H., 1984. Hydrologiske model anvent pa geothermal omrade pa Island. Eksamensprojekt, Danmarks Tekniske Højskole; 55 pp + 59 pp bilag. (1611).

Gudmundsson,G., 1967. Spectral analysis of magnetic surveys. *Geophys.J.R.astr.Soc.*, v.13; 325-337. (364).

Gudmundsson,G., 1970. Short term variations of a glacier-fed river. *Tellus*,v.22; 341-353. (1098).

Gudmundsson,G., 1971. Time-series analysis of imports, exports and other economic variables. *J.Roy.Stat.Soc.,Ser.A*,v.134; 383-412. (1099).

Gudmundsson,G., 1975. Seasonal variations and stationarity. *Nordic Hydrology*,v.6; 137-144. (471).

Gudmundsson,G. and G.Sigbjarnarson, 1972. Analysis of glacier run-off and meteorological observations. *J.Glaciol.*, v.11; 303-318. (1100).

Gudmundsson,J.S., 1976. Utilisation of geothermal energy in Iceland. *Applied Energy*,v.2; 127-140. (490).

Gudmundsson,J.S., 1979. Depoition of silica from geothermal waters on heat transfer surfaces. *Desalination*,v.28; 125-145. (769).

Gudmundsson,J.S., 1981. Particulate fouling. In:*Fouling of Heat Transfer Equipment*(ed.E.F.C.Somerscales and J.G.K.); 357-387. (999).

Gudmundsson,J.S., 1982. Low-temperature geothermal energy use in Iceland. *Geothermics*, v.11; 59-68. (1082).

Gudmundsson,J.S., 1982. Small-scale geothermal electric power units in Iceland. EPRI Annual Geoth.Conf.& Workshop, Salt Lake City, June/July 1982; . (1241).

Gudmundsson,J.S., 1983. Geothermal electric power in Iceland: Development in perspective. *Energy*,v.8; 491-513. (1255).

Gudmundsson,J.S., 1983. Geothermal soil heating in Iceland. *Geoth.Res.Council,Trans.*,v.7; 601-606. (1286).

Gudmundsson,J.S., 1983. Injection testing in 1982 at the Svartsengi high-temperature field in Iceland. *Geoth.Res.Council,Trans.*,v.7; 423-428. (1287).

Gudmundsson,J.S., 1983. Silica deposition from geothermal brine at Svartsengi, Iceland. Nat.Ass.Corrosion Engineers, Symposium, San Francisco 1983 (manuscript); 26 pp. (2077).

Gudmundsson,J.-S., 1987. The elements of direct uses. UN Inst.Training and Research, Workshop, Pisa, Italy (handrit); 30 pp. (1732).

Gudmundsson,J.S.,A.J.Menzies and R.N.Horne, 1983. Streamtube relative permeability functions for flashing steam-water flow in fractures. Soc.Petr.Eng.; Ventura,Calif.,23-25 March 1983; 199-206. (1234).

Gudmundsson, J.S., A.K.Ambastha and S.Thorhallsson, 1984. Discharge analysis of well 9 in Reykjanes field, Iceland. Proc. 6th NZ Geothermal Workshop 1984; 157-162. (1652).

Gudmundsson,J.S. and G.Olsen, 1987. Water-influx modeling of the Svartsengi geothermal field, Iceland. SPE Reservoir Engineering, Febr.1987; 77-84. (1633).

Gudmundsson,J.S. and G.Olsen, 1987. Water-influx modeling of the Svartsengi geothermal field, Iceland. SPE Reservoir Engineering, Feb.1987; 77-84. (1811).

Gudmundsson,J.S. and G.Pálason, 1982. World uses of low-temperature (<150 C) geothermal resources in 1980. Geoth.Res.Council,Trans.,v.6; 441-444. (1256).

Gudmundsson,J.S. and G.Pálason, 1986. The geothermal industry in Iceland. UN Workshop Dev. Exploit. Geoth. Energy Dev. Countries, Reykjavík; 12 pp. (1733).

Gudmundsson,J.S. and G.Pálason, 1987. The geothermal industry in Iceland. Geothermics, v.16; 567-573. (1765).

Gudmundsson,J.S. and J.W.Lund, 1985. Direct uses of earth heat. Energy Research,v.9; 345-375. (1395).

Gudmundsson,J.S. and J.W.Lund, 1985. Direct uses of earth heat. Energy Research,v.9; 345-375. (1610).

Gudmundsson,J.S. and S.Thórhallsson, 1986. The Svartsengi reservoir in Iceland. Geothermics, v.15; 3-15. (2073).

Gudmundsson, J.S. and T.Hauksson, 1985. Tracer survey in Svartsengi field 1984. GRC meeting, 1985; 9 pp (preprint). (1651).

Gudmundsson,J.S., D.H.Freeston and P.J.Lienau, 1985. The Lindal diagram. GRC meeting 1985; 5 pp (preprint). (1653).

Gudmundsson,J.S., D.H.Freeston and P.J.Lienau, 1985. The Lindal diagram. G.R.C.Transactions, v.9; 15-19. (1812).

Gudmundsson,J.S.,S.E.Johnson,R.N.Horne,P.B.Jackson and G.G.Culver, 1984. Doublet tracer testing in Klamath Falls, Oregon. Geo-Heat Center Quart. Bull., winter 1984; 12-17. (1525).

Gudmundsson,J.S.,T.Hauksson and J.Tómasson, 1981. The Reykjanes geothermal field in Iceland: Subsurface exploration and well discharge characteristics. Proc.Seventh Works.Geoth.Res.Engineering,Stanford,SGP-TR-55; 61-69. (1277).

Gudmundsson,J.S., T.Hauksson, S.Thorhallsson, A.Albertsson and G.Thorolfsson. 1984. Injection and tracer testing in Svartsengi field, Iceland. 6th New Zeal.Geoth.Workshop, Auckland, N.Z. November 7-9 1984; 6 pp. (2024).

Gunnarsdóttir,M.J., 1984. Pumice insulation: A practical solution for rural geothermal pipelines. Geo-Heat Center Quart.Bull., v.8, No.3; 9-11. (2110).

Gunnarsdóttir,M.J., 1985. Potential af geotermisk varme for varmepumper i Island. 2:a Nordiska värmepumpdagarna i Stockholm, 1985; 49-57. (1476).

Gunnarsson,Á. and B.Steingrimsson, 1989. Geothermal generation of heat and power. Flutt á hitaveitupíngi í Gautaborg, nóv.1989; 14 pp. (2098).

Gunnlaugsson,E., 1989. Lághitasvæði Hitaveitu Reykjavíkur - vinnsla 1988. Skýrsla Hitaveitu Reykjavíkur; 37 bls. (1985).

Gunnlaugsson,E. and S.Arnrósson, 1982. The chemistry of iron in geothermal systems in Iceland. J.Volcanol.Geoth.Res., v.14; 281-299. (1211).

Hagevang,T., O.Eldholm and I.Aalstad, 1983. Pre-23 magnetic anomalies between Jan Mayen and Greenland-Senja fracture zones in the Norwegian Sea. Mar.Geophys.Researches, v.5; 345-363. (2128).

Hague,A.., 1893. Soaping geysers. In:Ann.Rep.Board Regents Smiths.Inst., G.P.O.Washington,1893; 153-161. (1036).

Haigh,B.I.R., 1973. North Atlantic oceanic topography and lateral variations in the upper mantle. Geophys.J.R.astr.Soc., v.33; 405-420. (58).

Haimson,B.C. and B.Voight, 1977. Crustal stress in Iceland. Pageoph.,v.115; 153-190. (708).

Hald,N.,A.Noe-Nygaard and A.K.Pedersen, 1971. The Króksfjördur central volcano in north-west Iceland. Acta Naturalia Islandica,v.II,No.10; 29 pp. (75).

Hale,L.D.,C.J.Morton and N.H.Sleep, 1982. Reinterpretation of seismic reflection data over the East Pacific Rise. J.Geophys.Research, v.87; 7707-7717. (1282).

Hall,J.M. and P.T.Robinson, 1979. Deep crustal drilling in the North Atlantic Ocean. Science,v.204; 573-586. (809).

Hallam,A., 1972. Continental drift and the fossil record. Sci. American,v.227; 56-66. (289).

Hammer,S., 1942. Note on the variation from equator to pole of the Earth's gravity. ; 57-60. (1923).

Hammer, S.. 1945. Estimating ore masses in gravity prospecting. Geophysics, v.10; 50-62. (1747).

Hammer,S., 1963. Deep gravity interpretation by stripping. Geophysics, v.28; 369-378. (1971).

Hammond,A.L., 1970. Deep sea drilling: A giant step in geological research. Science,v.170; 520-521. ().

- Han-Shou Liu, 1985. Geophysical basis for crustal deformation under the Tibetan Plateau. *Phys.Earth Planet.Interiors*,v.41; 170-185. (1581).
- Hanks,T.C., 1971. Model relating heat-flow values near, and vertical velocities of mass transport beneath oceanic rises. *J.Geophys.Research*, v.76; 537-544. (811).
- Hannington,M.D., G.Thompson, P.A.Rona and S.D.Scott, 1988. Gold and native copper in supergene sulphides from the Mid-Atlantic Ridge. *Nature*, v.333; 64-66. (2129).
- Hansen, K.O. and V.H. Søndergård, 1973. In situ determinations and statistical analysis of magnetic susceptibilities of basalts of the Faroe Islands. *Fróðskaparrit (Annal. scient. Færoensis)*, v. 21; 34-50. (1863).
- Haraldsson,H., 1981. The Markarfljót sandur area, southern Iceland: Sedimentological, petrographical and stratigraphical studies. *Striae*, No.15; 65 pp. (1009).
- Haraldsson,H. and H.Palm, 1980. A seismic investigation in the Markarfljót sandur area, southern Iceland. *Striolea (Uppsala)*, 1980:2; 54 pp. (967).
- Harper,G.D., 1985. Tectonics of slow spreading mid-ocean ridges and consequences of a variable depth to the brittle/ductile transition. *Tectonics*, v.4; 395-409. (1396).
- Harrison,C.G.A., 1968. Formation of magnetic anomaly patterns by dyke injection. *J.Geophys.Research*, v.73; 2137-2142. (394).
- Harrison,C.G.A., 1974. Tectonics of mid-ocean ridges. *Tectonophysics*,v.22; 301-310. (753).
- Harrison,C.G.A., 1976. Magnetization of the oceanic crust. *Geophys.J.R.astr.Soc.*, v.47; 257-283. (535).
- Harrison,C.G.A. and L.Stieltjes, 1977. Faulting within the median valley. *Tectonophysics*,v.38; 137-144. (581).
- Hart,S.R., 1971. K,Rb,Cs,Sr and Ba contents and Sr isotope ratios of ocean floor basalts. *Phil.Trans.Roy.Soc.Lond.A*,v.268; 573-587. (1151).
- Hart,S.R. and J.-G.Schilling, 1973. The geochemistry of basalts from Iceland and the Reykjanes Ridge. *Carnigie Institution Year Book* 72,Dec.1973; 259-262. (438).
- Hart,S.R.,B.M.Gunn and N.D.Watkins, 1971. Intralava variation of alkali elements in Icelandic basalt. *Am.J.Sci.*, v.270; 315-318. (666).
- Hart,S.R.,J.-G.Schilling and J.L.Powell, 1973. Basalts from Iceland and along the Reykjanes Ridge: Sr isotope geochemistry. *Nature Phys.Sci.*,v.246; 104-107. (1120).
- Hartline,B.K. and C.R.B.Lister, 1981. Topographic forcing of supercritical convection in a porous medium such as the oceanic crust. *Earth Planet.Sci.Letters*,v.55; 75-86. (1023).
- Hase,H., 1974. Geologic remote sensing of the Kusatsu-Manza geothermal area, Central Japan. Report No.252, Geological Survey of Japan; 56 pp. (41).
- Hast,N., . Spanningstillstandet i den fasta jordskorpans ~vre del. IVA-meddelanden nr.142, sartryck; 13-24. (665).

Hast,N., 1958. The measurement of rock pressure in mines. Sveriges Geologiska Undersökning,Ser.C,No.560,Arsbok 52,No.3; 183 pp. (663).

Hast,N., 1967. The state of stresses in the upper part of the earth's crust. Eng.GeoL,v.2; 5-17. (320).

Hast,N., 1969. The state of stress in the upper part of the earth's crust. Tectonophysics,v.8; 169-211. (119).

Hast,N., 1972. Stability of stress distributions in the Earth's crust during geologic times and the formation of iron ore lenses at Malmberget. Phys.Earth Planet.Interiors,v.6; 221-228. (660).

Hast,N., 1973. The existence of horizontal stress fields and orthogonal fracture systems in the Moon's crust. Modern Geology, v.4; 73-84. (661).

Hast,N., 1973. Global measurements of absolute stress. Phil.Trans.R.Soc.Lond.A,v.274; 409-419. (662).

Hatherton,T. and A.E.Leopard, 1964. The densities of New Zealand rocks. N.Z.Journ.Geology and Geophysics,v.7; 605-625. (8).

Hauck,G.F.W., 1989. The Roman aqueduct of Nîmes. Sci.American, v.260; 78-84. (2060).

Hauksson,E., 1985. Structure of the Benioff zone beneath the Shumagin Islands, Alaska: Relocation of local earthquakes using three-dimensional ray tracing. J.Geophys.Research, v.90; 635-649. (1371).

Hauksson,E.,J.Armbruster and S.Dobbs, 1984. Seismicity patterns (1963-1983) as stress indicators in the Shumagin seismic gap, Alaska. Bull.Seism.Soc.Am.,v.74; 2541-2558. (1370).

Havskov,J.,L.B.Kvamme and H.Bungum, 1986. Attenuation of seismic waves in the Jan Mayen Island area. Mar.Geophys.Researches, v.8; 39-47. (1579).

Hawkes,L., 1924. On an olivine-dacite in the Tertiary volcanic series of eastern Iceland: the Rauthaskritha (Hamarsfjord). Quart.J.Geol.Soc.,v.80; 549-567. (822).

Hawkes,L. and H.K.Hawkes, 1933. The Sandfell laccolith and "dome of elevation". Quart.J.Geol.Soc.,v.89; 379-400. (824).

Haxby,W. and E.M.Parmentier, 1988. Thermal contraction and the state of stress in the oceanic lithosphere. J.Geophys.Research, v.93; 6419-6429. (1843).

Hayakawa,M., 1966. Geophysical study of Matsukawa geothermal area, Iwate Prefecture,Japan. Bull.Volcanologique,v.29; 499-516. (39).

Hayakawa,M., S.Takaki and K.Baba, 1967. Geophysical study of Matzukawa geothermal area, Northeast Japan. Bull.Geol.Survey Japan, v.18,No.2; 73-82. (1969).

Hayes,D.E., 1989. Age-depth relations for the ocean floor. Physics Today, Jan.1989; 46-49. (1982).

Haymon,R.M. and M.Kastner, 1981. Hot spring deposits on the East Pacific Rise at 21 N: preliminary description of mineralogy and genesis. Earth Planet.Sci.Letters,v.53; 363-381. (1050).

- Healy,J. and M.P.Hochstein, 1973. Horizontal flow in hydrothermal systems. J.Hydrol.,v.12; 71-82. (1152).
- Heezen,B.C., 1968. The Atlantic continental margin. UMR (Univ.Missouri at Rolla) Journal, No.1; 5-25. (1157).
- Heezen,B.C., 1969. The world rift system: an introduction to the symposium. Tectonophysics,v.8; 269-279. (674).
- Heezen,B.C. and M.Tharp, 1965. Tectonic fabric of the Atlantic and Indian oceans and continental drift. Phil.Trans.Roy.Soc.,v.258; 90-106. (1154).
- Heezen,B.C. and M.Tharp, 1966. Physiography of the Indian Ocean. Phil.Trans.Roy.Soc.London,A,v.259; 137-149. (1155).
- Heezen,B.C.,C.D.Hollister and W.F.Ruddiman, 1966. Shaping of the continental rise by deep geostrophic contour currents. Science,v.152; 502-508. (460).
- Heirtzler,J.R., 1964. Magnetic measurements near the deep ocean floor. Deep-Sea Research,v.11; 891-898. (675).
- Heirtzler,J.R., 1965. Marine geomagnetic anomalies. J.Geomagn.Geoelectricity,v.17; 227-236. (671).
- Heirtzler,J.R. and D.E.Hayes, 1967. Magnetic boundaries in the North Atlantic Ocean. Science,v.157; 185-187. (670).
- Heirtzler,J.R. and X.LePichon, 1965. Crustal structure of the mid-ocean ridges. 3. Magnetic anomalies over the Mid-Atlantic Ridge. J.Geophys.Research, v.70; 4013-4033. (232).
- Heirtzler,J.R.,G.O.Dickson,E.M.Herron,W.C.Pitman III and X.LePichon, 1968. Marine magnetic anomalies, geomagnetic field reversals, and the motion of the ocean floor and continents. J.Geophys.Research, v.73; 2119-2136. (231).
- Heirtzler,J.R.,X.LePichon and J.G.Baron, 1966. Magnetic anomalies over the Reykjanes Ridge. Deep-Sea Research,v.13; 427-443. (118).
- Hekinian R. and Y.Fouquet, 1985. Volcanism and metallogenesis of the axial and off-axial structures on the East Pacific Rise near 13 N. Econ.GeoL,v.80; 221-249. (1408).
- Hékinian,R.,J.Francheteau and R.D.Ballard, 1985. Morphology and evolution of hydrothermal deposits at the axis of the East Pacific Rise. Oceanol.Acta,v.8; 147-155. (1414).
- Hekinian,R.,M.Fevrier,F.Avedik,P.Carbon,J.L.Charlou,H.D.Needham,J.Raillard,J.Boulegue,L.Merlivat,A.Moinet,S.Manganini and J.Lange, 1983. East Pacific Rise near 13 N: Geology of new hydrothermal fields. Science,v.219; 1321-1324. (1424).
- Helgason,J., 1983. A qualitative model for the upper crustal construction of eastern Iceland. (preprint); 14 pp. (1432).
- Helgason,J., 1985. Shifts of the plate boundary in Iceland: Some aspects of Tertiary volcanism. J.Geophys.Research, v.90; 10084-10092. (1447).
- Helgason,J., 1985. Shifts of the plate boundary in Iceland: Some aspects of Tertiary volcanism. J.Geophys.Research, v.90; 10084-10092. (1480).

Helgason,J. and M.Zentilli, 1985. Field characteristics of laterally emplaced dikes: Anatomy of an exhumed Miocene dike swarm in Reydarfjördur, eastern Iceland. *Tectonophysics*,v.115; 247-274. (1426).

Helgason,J. and M.Zentilli, 1985. Field characteristics of laterally emplaced dikes: Anatomy of an exhumed Miocene dike swarm in Reydarfjördur, eastern Iceland. *Tectonophysics*,v.115; 247-274. (1540).

Helgason,Ö.,N.Óskarsson and S.Mörup, 1979. Mössbauer spectroscopic studies of reference samples of Icelandic igneous rocks. *J. de Physique*,v.40; C2-452-454. (840).

Herendeen,R.A. and R.L.Plant, 1981. Energy analysis of four geothermal technologies. *Energy*,v.6; 73-82. (970).

Hermance,J.F., 1971. Magnetotellurics and geomagnetic deep sounding. *EOS*, v.52; . (29).

Hermance,J.F., 1973. An electrical model for the sub-Icelandic crust. *Geophysics*, v.38; 3-13. (40).

Hermance,J.F., 1979. The electrical conductivity of materials containing partial melt: A simple model from Archie's Law. *Geophys.Res.Letters*, v.6; 613-616. (787).

Hermance,J.F., 1981. Crustal genesis in Iceland: Geophysical constraints on crustal thickening with age. *Geophys.Res.Letters*, v.8; 203-206. (1001).

Hermance,J.F., 1981. Gravity compensation in the mantle beneath the neovolcanic zone of Iceland. *Earth Planet.Sci.Letters*, v.54; 157-166. (1002).

Hermance,J.F., A.Nur and S.Bjornsson, 1972. Electrical properties of basalt: Relation of laboratory to in situ measurements. *J.Geophys.Research*, v.77; 1424-1429. (14).

Hermance,J.F. and G.D.Garland, 1968. Magnetotelluric deep-sounding experiments in Iceland. *Earth Planet.Sci.Letters*,v.4; 469-474. (117).

Hermance,J.F. and G.D.Garland, 1968. Deep electrical structure under Iceland. *J.Geophys.Research*, v.73; 3797-3800. ().

Hermance,J.F. and L.R.Grillot, 1970. Correlation of magnetotelluric, seismic, and temperature data from southwest Iceland. *J.Geophys.Research*, v.75; 6582-6591. (116).

Hermance,J.F. and L.R.Grillot, 1974. Constraints on temperature beneath Iceland from magnetotelluric data. *Phys.Earth Planet.Interiors*, v.8; 1-12. (72).

Hermance,J.F., R.E.Thayer and A.Björnsson, 1976. The telluric-magnetotelluric method in the regional assessment of geothermal potential. ; . (573).

Hermannsson,S.. 1962. Korrosions- und Wassersteinsprobleme bei der Heisswasserversorgung der Stadt Reykjavík / Island. *Werkstoffe und Korrosion*, v.13; 65-80. (921).

Hermannsson, Svavar, 1969. Corrosion of metals and the forming of a protective coating on the inside of pipes in the thermal water used by the R.M.D.H.S.. Handrit, 5.september 1969; 3 bls. (1065).

- Hermes,O.D. and J.-G.Schilling, 1976. Olivine from Reykjanes Ridge and Iceland tholeiites, and its significance to the two-mantle source model. *Earth Planet.Sci.Letters*, v.28; 345-355. (698).
- Herron,E.M., 1972. Sea-floor spreading and the Cenozoic history of the East-Central Pacific. *Geol.Soc.Am.Bull.*, v.83; 1671-1692. (286).
- Herron,E.M. and J.R.Heirtzler, 1967. Sea-floor spreading near the Galapagos. *Science*, v.158; 775-780. (1156).
- Herron,E.M. and M.Talwani, 1972. Magnetic anomalies on the Reykjanes Ridge. *Nature*, v.238; 390-392. (592).
- Herron,E.M., J.F.Dewey and W.C.Pitman III, 1974. Plate tectonics model for the evolution of the Arctic. *Geology*, v.2; 377-380. (385).
- Hersir,G.P.,A.Björnsson and L.B.Pedersen, 1984. Magnetotelluric survey across the active spreading zone in southwest Iceland. *J.Volcanol.Geotherm.Res.*, v.20; 253-265. (1333).
- Hess,H.H., 1954. Geological hypotheses and the Earth's crust under the oceans. *Proc.Roy.Soc.London, Ser.A*, v.222; 341-348. (679).
- Hill,D.P., 1969. Crustal structure of the island of Hawaii from seismic-refraction measurements. *Bull.Seism.Soc.Am.*, v.59; 101-130. (678).
- Hill,D.P., 1971. Velocity gradients and anelasticity from crustal body wave amplitudes. *J.Geophys.Research*, v.; 3309-3325. (672).
- Hill,D.P., 1973. Critically refracted waves in a spherically symmetric radially heterogenous earth model. *Geophys.J.R.astr.Soc.*, v.34; 149-177. (59).
- Hill,D.P., P.Mowinckel and L.G.Peake, 1975. Earthquakes, active faults and geothermal areas in the Imperial Valley, California. *Science*, v.188; 1306-1308. (404).
- Hill,M.N. and A.S.Laughton, 1954. Seismic observations in the eastern Atlantic, 1952. *Proc.Roy.Soc.London, ser.A*, v.222; 348-356. (680).
- Hinz,K., 1972. Der Krustenaufbau des Norwegischen Kontinentalrandes (Voring Plateau) und der Norwegischen Tiefsee zwischen 66 und 68 N nach seismischen Untersuchungen. "Meteor" Forsch.-Ergebnisse, Reihe C, No.10, Berlin-Stuttgart; 1-16. (1208).
- Hinz,K., 1981. A hypothesis on terrestrial catastrophes. Wedges of very thick oceanward dipping layers beneath passive continental margins - Their origin and *Geol.Jahrb.*, v.E22; 3-28. (1025).
- Hinz.K and A.Moe, 1971. Crustal structure in the Norwegian Sea. *Nature Phys.Science*, v.232; 187-190. (667).
- Hinz,K. and H.-U.Schluter, 1978. Der Nordatlantik-Ergebnisse geophysikalischer Untersuchungen der Bundesanstalt für Geowissenschaften und Rohstoffe an nordatlantischen Kontinentalrändern. *Erdoel-Erdgas-Zeitschrift*, v.94 (Áensku í Oil Gas-European Magaz.); 271-280. (770).
- Hinz,K. and H.-U.Schluter, 1980. Continental margin off East Greenland. *Proc.Tenth World Petr.Congr.*, Bucharest, v.2; 405-418. (778).

- Hirakawa,S., 1983. A study on geothermal reservoir engineering, -system approach to geothermal field development-. J.Fac.Eng.Univ.Tokyo,v.37; 179-240. (1390).
- Hochstein,M.P., 1988. A short history of the Geothermal Institute and the New Zealand Geothermal Workshops 1979-1988. Proc.10th New Zealand Geothermal Workshop 1988; 3-6. (1996).
- Holtedahl, O. and J.A.Dons (Editors), 1957. Geological Guide to Oslo and District. Text to "Geologisk kart over Oslo og Omegn" (Scale 1:50 000) published 1952. H.Aschehoug & Co, Oslo. ; 86 pp. (630).
- Holzhausen,G.R. and A.M.Johnson, 1979. The concept of residual stress in rock. Tectonophysics, v.58; 237-267. (1771).
- Hooper,P.R., 1982. The Columbia River basalts. Science, v.215; 1463-1468. (1918).
- Horai,K., M.Chessman and G.Simmons, 1970. Heat flow measurements on the Reykjanes Ridge. Nature, v.225; 264-265. () .
- Horn,D.R., M.Ewing, B.M.Horn and M.N.Delach, 1972. World-wide distribution of manganese nodules. Ocean Industry, January 1972; 26-29. (287).
- Horne,R.N., 1982. Geothermal reinjection experience in Japan. J.Petrol.Technology, March 1982; 495-503. (1078).
- Horváth,F., 1974. Application of plate tectonics to the Carpato-Pannonian region; a review. Acta Geol.Acad.Sci.Hungaricae, v.18 (3-4); 243-255. (476).
- Hospers,J., 1952. Reinterpretation of a gravity survey in central northern Iceland. Geologie en Mijnbouw, v.14; 239-247. (115).
- Hospers, J., 1954. On the geology of the country between Akureyri and Mývatn in northern Iceland. Geologie en Mijnbouw, v.16; 491-508. (114).
- Houghton,R.A. and G.M.Woodwell, 1989. Global climatic change. Sci.American, v.260; 18-26. (2059).
- Houldsworth,M. and P.K.McDevitt, 1982. Geothermal energy. Non-electric potential in the USA. Energy Policy, v.10; 203-211. (2027).
- House,L.S. and K.H.Jacob, 1982. Thermal stresses in subducting lithosphere can explain double seismic zones. Nature, v.295; 587-589. (1091).
- Houseman,G.A., 1983. The deep structure of ocean ridges in a convecting mantle. Earth Planet.Sci.Letters, v.64; 283-294. (1793).
- Heutz,R.E., 1976. Seismic properties of layer 2A in the Pacific. J.Geophys.Research, v.81; 6321-6331. (622).
- Huang Shangyao, 1980. Development of geothermal energy in China. Presented N.Z.Geothermal Workshop 1980. Handrit; 19 pp. (1532).
- Hubbert,M.King, 1951. Mechanical basis for certain familiar geologic structures. Bull.Geo.Soc.Am., v.62; 355-372. (217).
- Hughes,D.S. and C.Maurette, 1957. Variation of elastic wave velocities in basic igneous rocks with pressure and temperature. Geophysics, v.22; 23-31. (677).

- Hunkins,K. and H.Kutschale, 1967. Quaternary sedimentation in the Arctic Ocean. In: Progress in Oceanography, v.4, Pergamon Press; 89-94. (1967).
- Hunt,J.M., E.E.Hays, E.T.Degens and D.A.Ross, 1967. Red Sea: Detailed survey of hot-brine areas. Science, v.156; 514-516. (1905).
- Hyndman,R.D., 1979. Poisson's ratio in the oceanic crust - a review. Tectonophysics, v.59; 321-333. (830).
- Ida,Y. and M.Kumazawa, 1986. Ascent of magma in a deformable vent. J.Geophys.Research, v.91; 9297-9301. (1630).
- Illies, H., 1962. Prinzipien der Entwicklung des Rheingrabens, dargestellt am Grabenabschnitt von Karlsruhe. Mitt.Geol.Staatsinst.Hamburg, Heft 31; 58-121. (1748).
- Illies, H., 1962. Oberrheinisches Grundgebirge und Rheingraben. Geol.Rundschau, v.52; 317-332. (1750).
- Illies, H., 1965. Bauplan und Baugeschichte des Oberrheingrabens. Oberrhein.geol.Abh., v.14; 1-54. (1749).
- Illies,J.H., 1969. An intercontinental belt of the world rift system. Tectonophysics, v.8; 5-29. (2016).
- Illies,J.H., 1972. The Rhine Graben rift system - plate tectonics and transform faulting. Geophys.Surveys, v.1; 27-60. (291).
- Illies,J.H. and G.Greiner, 1978. Rhinegraben and the Alpine system. Geol.Soc.Am.Bull., v.89; 770-782. (694).
- Imsland,P., 1983. Biased chemical range of Icelandic and oceanic basalt analyses: The result of different sampling methods and compositionally selective kinematic evolution within rift zones. Jökull, v.33; 33-38. (2032).
- Imsland,P., 1983. Iceland and the ocean floor. Comparison of chemical characteristics of the magmatic rocks and some volcanic features. Contrib.Mineral.Petrol., v.83; 31-37. (2033).
- Imsland,P., 1985. Úr þróunarsögu jarðskorpunnar við sunnanverðan Faxaflóa,sprungumyndunarsaga. Náttúrufræðingurinn,v.54; 63-76. (1385).
- Imsland,P., 1985. Vulkaner,is och kokande vatten - Islands geologiska historia-Gardar,XVI-XVII,Årsbok för samfundet Sverige-Island i Lund-Malmö; 8-14. (1487).
- Imsland, P., 1986. The volcanic eruption on Jan Mayen, January 1985: Interaction between a volcanic island and a fracture zone. J.Volcanol.Geoth.Research, v.28; 45-53. (1504).
- Imsland,P., 1989. Study models for volcanic hazards in Iceland. In: IAVCEI Proceedings in Volcanology 1 (ed. J.H.Latter), Springer-Verlag Berlin Heidelberg; 36-56. (1987).
- Imsland,P., 1989. Kagoshimaþingið og japönsk eldfjöll (fyrri og síðari hluti). Náttúrufræðingurinn, v.59; 141-58, 197-213. (2151).
- Imsland,P., J.G.Larsen, T.Prestvik and E.M.Sigmond, 1977. The geology and petrology of Bouvetöya, south Atlantic Ocean. Lithos, v.10; 213-234. (645).

- Imsland,Páll, . Eldgosið á Jan Mayen í janúar 1985. Jökull, v.35; 97-102. (1402).
- Ingebritsen,S.E. and M.L.Sorey, 1988. Vapor-dominated zones within hydrothermal systems: Evolution and natural state. J.Geophys.Research, v.93; 13635-13655. (1916).
- Ingimarsson,J., 1985. Determination of foundation permeabilities. Methods used in Iceland.. In:Quinzieme Congres des Grands Barrages,Lausanne,1985. Q.58, R.61; 1017-1034. (1495).
- Ingimarsson, Jón, 1988. Hagkvæmari nýting innlendra orkulinda. Upp í vindinn, blað byggingarverkfræðinema, 7.árg. 1988; 33-39. (1833).
- Irving,E., J.K.Park, S.E.Haggerty, F.Aumento and B.Loncarevic, 1970. Magnetism and opaque mineralogy of basalts from the Mid-Atlantic Ridge at 45 N. Nature, v.228; 974-976. (1968).
- Israel,H and S.Björnsson, 1967. Radon (Rn 222) and Thoron (Rn 220) in soil air over faults. Zeit.f.Geophysik, v.33; 48-64. (925).
- Ito,K., 1976. Heat flow and thickness of the oceanic lithosphere. Earth Planet.Sci.Letters, v.30; 65-70. (514).
- Iwan,W., 1938. Die Bárdartalsverwerfung in Nordisland. Zeit.d.Ges.f.Erdkunde zu Berlin; 350-362. (113).
- Iyer,H.M., D.H.Oppenheimer and T.Hitchcock, 1979. Abnormal P-wave delays in the Geysers-Clear Lake geothermal area, California. Science, v.204; 495-497. (857).
- Jackson,H.R. and I.Reid, 1983. Oceanic magnetic anomaly amplitudes: variation with sea-floor spreading rate and possible implications. Earth Planet.Sci.Letters, v.63; 368-378. (1790).
- Jacoby,W.R., 1971. Isostasie und Dichteverteilung in Kruste und oberem Mantel. Zeit.f.Geophysik, v.39; 79-96. (382).
- Jacoby,W.R., 1975. Velocity-density systematics from seismic and gravity data. Veröff.Zentr.Inst.Phys.d.Erde, N-31; 323-333. (775).
- Jacoby,W.R., 1976. Role of gravity in plate tectonics. In:B.Voight(ed),Rock Slides and Avalanches, Geol.Soc.Am.Memoir; 707-727. (772).
- Jacoby,W.R., 1976. Paraffin model experiment of plate tectonics. Tectonophysics, v.35; 103-113. (774).
- Jacoby,W.R., 1978. Plate motions and gravity. Proc.Europ.Worksh.Space Oceanography, Schloss Elmau, Germany; 163-167. (776).
- Jacoby,W.R., 1979. Iceland and the North Atlantic: A review. GeoJournal, v.3.3; 253-262. (768).
- Jacoby,W.R., 1980. Morphology of the Reykjanes Ridge crest near 62 N. J.Geophysics, v.; . (834).
- Jacoby,W.R., 1987. One-dimensional modelling of mantle flow. Pageoph., v.116; 1231-1249. (733).

- Jaffé,F.C., 1971. Geothermal energy, a review. Bull.Ver.Schweiz.Petrol.-Geol. und -Ing., v.38; 17-40. (1149).
- Jaffé,F., M.Cuénod and R.Vercellini, 1975. Utilisation de l'energie géothermique pour le chauffage des locaux en Suisse. Bull.Techn. de la Suisse Romande, No.22; 1-9. (591).
- Jakobsdóttir,S.S. and H.C.Larsen, 1987. Gravity survey on ice offshore South-East Greenland. Rapp.Grönlands geol.Unders., v.135; 69-72. (1730).
- Jakobsson,S., 1971. Myndun móbergs í Surtsey. Náttúrufræðingurinn, v.41; 124-128. (389).
- Jakobsson,S.P., 1972. Chemistry and distribution pattern of Recent basaltic rocks in Iceland. Lithos, v.5; 365-386. (50).
- Jakobsson,S.P., 1972. On the consolidation and palagonitization of the tephra of the Surtsey volcanic island, Iceland. The Surtsey Progr.Report VI; 1-8. (362).
- Jakobsson,S.P., 1978. Environmental factors controlling the palagonitization of the Surtsey tephra, Iceland. Bull.Geol.Soc.Denmark, v.27; 91-105. (717).
- Jakobsson,S.P., 1979. Petrology of Recent basalts of the Eastern Volcanic Zone, Iceland. Acta Naturalia Islandica, v.26; 103 pp. (844).
- Jakobsson,S.P., 1982. Dredge hauls from Vestmannaeyjagrunn, Iceland. Surtsey Res.Progr.Rep., v.9; 142-148. (1202).
- Jakobsson,S.P., A.K.Pedersen, J.G.Rönsbo and L.Melchior Larsen, 1973. Petrology of mugearite-hawaiite: Early extrusives in the 1973 Heimaey eruption, Iceland. Lithos, v.6; 203-214. (112).
- Jakobsson,S.P. and J.G.Moore, 1986. Hydrothermal minerals and alteration rates at Surtsey volcano, Iceland. Geol.Soc.Am.Bull., v.97; 648-659. (1541).
- Jakobsson,S.P., J.Jónsson and F.Shido, 1978. Petrology of the western Reykjanes peninsula, Iceland. J.Petrol., v.19; 669-705. (740).
- James,R., 1979. Estimated drilling depth to permeable zone of hot water geothermal reservoirs. Chinetsu, v.16; 23-26. (1960).
- Jancin,M.,K.D.Young,B.Voight,J.L.Aronson and K.Saemundsson, 1985. Stratigraphy and K/A ages across the west flank of the northeast Iceland axial rift zone,in relation to the 7 ma volcano-tectonic reorgani..... J.Geophys.Research, v.90; 9961-9985. (1441).
- Jankovic,S., 1977. The mineral occurrences in Iceland. (Úr alþjóðlegri handbók um verðmæt jarðefni); 3 pp. (1818).
- Jannasch,H.W. and M.JJ.Mottl, 1985. Geomicrobiology of deep-sea hydrothermal vents. Science,v.229; 717-725. (1583).
- Jassim,S.Z. and I.G.Gass, 1970. The Loch na Creitheach volcanic vent, Isle of Skye. Scottish J.Geol., v.6(3); 285-294. (480).
- Jefferis,R.G. and B.Voight, 1981. Fracture analysis near the mid-ocean plate boundary, Reykjavik-Hvalfjördur area, Iceland. Tectonophysics, v.76; 171-236. (1026).

- Jelstrup,G., 1957. Observations on the gravimetric calibration base Hammerfest-Munich. N.G.O., Oslo; 42 pp. (1851).
- Jenkins,N., 1982. Micro technology shows increasing pace - geothermal developments demand respect. Mod.Power Syst., v.2; 71-75. (2020).
- Jin,D.J., 1977. True-temperature determination of geothermal reservoirs. Geoexploration, v.15; 1-9. (586).
- Jóhannesson,H., 1980. Jarðlagaskipan og þróun rekbelta á Vesturlandi. Náttúrufræðingurinn, v.50; 13-31. (949).
- Jóhannesson,H., 1982. Yfirlit um jarðsögu Snæfellsnes. Árbók Ferðafélags Íslands; 151-174. (1233).
- Jóhannesson,H., 1985. Jarðfræði Innnesja. Í Innnes, skýrsla Staðarvalsnefndar, des.1985; 17-22. (1494).
- Johnson,G.L., 1969. Morphology of the Eurasian Arctic Basin. The Polar Record, v.14; 619-628. (2015).
- Johnson,G.L., 1972. The mid-oceanic ridge in the Greenland Sea. Jökull, v.22; 65-68. () .
- Johnson,G.L., 1975. The Jan Mayen Ridge. In:Canada's Cont.Margins and Offshore Petr.Explor. CSPG Memoir 4; 225-233. (450).
- Johnson,G.L., 1975. The Morphology and Structure of the Norwegian-Greenland Sea. Dr.fil.dissertation,Univ of Copenhagen, Copenhagen 1975; 157 pp +95 figs. (505).
- Johnson,G.L., 1975. The morphology and structure of the Norwegian-Greenland Sea. Summary of dissertation, Copenhagen University; 20 pp. (1817).
- Johnson,G.L. and B.C.Heezen, 1967. Morphology and evolution of the Norwegian-Greenland Sea. Deep-Sea Research, v.14; 755-771. (110).
- Johnson,G.L. and B.C.Heezen, 1967. The Arctic Mid-Oceanic Ridge. Nature, v.215; 724. (444).
- Johnson,G.L. and B.Tanner, 1971. Geophysical observations on the Iceland-Faeroe Ridge. Jökull, v.21; 45-52. () .
- Johnson,G.L. and E.D.Schneider, 1969. Depositional ridges in the North Atlantic. Earth Planet.Sci.Letters, v.6; 416-422. (443).
- Johnson,G.L. and G.Pálmasón, 1980. Observations of the morphology and structure of the sea floor south and west of Iceland. J.Geophysics, v.47; 23-30. (1725).
- Johnson,G.L. and O.B.Eckhoff, 1966. Bathymetry of the north Greenland Sea. Deep-Sea Research, v.13; 1161-1173. (448).
- Johnson,G.L. and S.P.Jakobsson, 1985. Structure and petrology of the Reykjanes Ridge between 62 55 N and 63 48 N. J.Geophys.Research, v.90; 10073-10083. (1446).
- Johnson,G.L., J.R.Southall, P.W.Young and P.R.Vogt, 1972. Origin and structure of the Iceland Plateau and Kolbeinsey Ridge. J.Geophys.Research, v.77; 5688-5696. (111).

- Johnson,G.L., J.S.Freitag and J.A.Pew, 1969. Structure of the Norwegian basin. Norsk Polarinstututt-Árbok 1969; 7-16. (2014).
- Johnson,G.L., N.J.McMillan and J.Egloff, 1975. East Greenland continental margin. In:Canada's Cont.Margins and Offshore Petr.Explor. CSPG Memoir 4; 205-224. (449).
- Johnson,G.L., N.J.McMillan, M.Rasmussen, J.Campsie and F.Dittmer, 1975. Sedimentary rocks dredged from the Southwest Greenland continental margin. In:Canada's Cont.Margins and Offshore Petr.Explor. CSPG Memoir 4; 391-409. (789).
- Johnson,G.L., P.R.Vogt and E.D.Schneider, 1971. Morphology of the northeastern Atlantic and Labrador Sea. Deutsch.Hydrogr.Zeitschrift, v.24; 49-73. (67).
- Johnson,G.L., P.R.Vogt and O.E.Avery, 1971. Evolution of the Norwegian Basin. In:The Geol.of the East Atl.Contin.Margin (ed. F.M.Delany); 53-65. (1150).
- Johnson,H.P., 1979. Magnetization of the oceanic crust. Rev.Geophys.Space Physics, v.17; 215-226. (808).
- Johnson,H.P. and R.T.Merrill, 1978. A direct test of the Vine-Matthews hypothesis. Earth Planet.Sci.Letters, v.40; 263-269. (1964).
- Johnson,H.P. and T.Atwater, 1977. Magnetic study of basalts from the Mid-Atlantic Ridge, lat 37 N. Geol.Soc.Am.Bull., v.88; 637-647. (1186).
- Jones,J.G., 1966. Intraglacial volcanoes of south-west Iceland and their significance in the interpretation of the forms of the marine basaltic volcanoes. Nature, v.212; 586-588. () .
- Jones, M.L., 1981. Riftia Pachyptila Jones: Observations on the vestimentiferan worm from the Galápagos rift. Science, v. 213; 333-336. (2120).
- Jónsson,Í., 1975. The use of water in geothermal drilling. Proc.Second U.N.Symposium Dev.Use Geoth.Resources, San Francisco; 1501-1502. (891).
- Jónsson,G. and V.Stefánsson, 1982. Density and porosity logging in the IRDP hole, Iceland. J.Geophys.Research, v.87; 6619-6630. (1196).
- Jónsson,G. and V.Stefánsson, 1982. Density and porosity logging in the IRDP hole, Iceland. J.Geophys.Research, v.87; 6619-6630. (1374).
- Jónsson,J., 1954. Outline of the geology of the Hornafj~rdur region. Geograf.Annaler, v.36; 146-161. (361).
- Jónsson,J., 1963. On inclusions in Icelandic rocks (in Icelandic with an English summary). Náttúrufræðingurinn, v.33; 9-22. (363).
- Jónsson,J., 1963. Hnyðlingar í íslenzku bergi. Náttúrufræðingurinn, v.33; 9-22. (1910).
- Jónsson,J., 1965. Bergsprungur og misgengi í nágrenni Reykjavíkur. Náttúrufræðingurinn, v.35; 75-95. (920).
- Jónsson,J., 1971. Öflun neyzluvatns. Sveitastjórnarmál, v.31; 6 bls. (890).
- Jónsson,J., 1974. Sléttafellshverir. Týli, v.4; 53-56. (1911).
- Jónsson,J., 1975. Nokkrar aldursákvarðanir. Náttúrufræðingurinn, v.45; 27-30. (552).

- Jónsson,J., 1976. Svæðisgos á Reykjanesskaga (Icelandic with English summary). Týli, v.6; 53-58. (709).
- Jónsson,J., 1977. Reykjafellsgígir og Skarðsmýrarhraun á Hellisheiði. Náttúrufræðingurinn, v.47; 17-26. (643).
- Jónsson,J., 1977. Jarðhitinn í Jökulfelli. Náttúrufræðingurinn, v.47; 44-46. (644).
- Jónsson,J., 1978. Jarðfræðikort af Reykjanesskaga. Orkustofnun, OS-JHD-7831; 303 bls + 30 bls ljósmyndir + kortamappa (í hillu). (1973).
- Jónsson,J., 1982. Notes on the Katla volcanoglacial debris flows. Jökull, v.32; 61-68. (1216).
- Jónsson,J., 1982. Bjarnagarður í Landbroti. Árbók hins íslenska fornleifafélags, 1982; 181-186. (1265).
- Jónsson,J., 1989. Hveragerði og nágrenni. Jarðfræðilegt yfirlit.. Rannsóknastofnunin Neðri Ás, Hveragerði. Skýrsla nr. 50; 56 pp. (2090).
- Jónsson, St., 1927. Hitaorkan í heitu höfunum og laugarnar á Íslandi. Tímarit V.F.I., v.12; 43-47. (1661).
- Jónsson, St. og Porkell Porkelsson, 1926. Um notkun hveraorku (ásamt umræðum). Tímarit V.F.I., v.11; 29-39. (1667).
- Jónsson, Steingrímur, 1962. Um Sogsvirkjunina, á 25 ára starfsafmæli Ljósafossstöðvar. Samb. ísl. rafveitna; 94 bls. (2113).
- Jørgensen,G. and J.Rasmussen, 1977. Glacial striae, roches moutonnées and ice movements on Suðuroy (Faeroe Islands). Fróðskaparrit (Annal. societ. scient. Faeroensis), v.25; 174-193. (749).
- Jørgensen,G. and J.Rasmussen, 1978. Glacial striae, roches moutonnées and ice movements on Sandoy (Faeroe Islands). Fróðskaparrit (Annal. societ. scient. Faeroensis), v.26; 9-21. (747).
- Jørgensen,G. and J.Rasmussen, 1981. Glacial striae, roches moutonnées and ice movements in the southern part of Streymoy and Eysturoy (Faeroe Islands). Fróðskaparrit (Annal. societ. scient. Færöensis), v.28-29; 52-63. (1066).
- Júlíusson,G., 1985. Varmepumper i Island. 2:a Nordiska värmepumpdagarna i Stockholm, 1985; 37-48. (1477).
- Kahle,H.-G. and D.Werner, 1980. A geophysical study of the Rhinegraben - II. Gravity anomalies and geothermal implications. Geophys.J.R.astr.Soc., v.62; 631-648. (995).
- Kaldal,I., 1978. The deglaciation of the area north and northeast of Hofsjökull, Central Iceland. Jökull, v.28; 18-31. (1398).
- Kampunzu,A.B., J.-P.H.Caron and R.T.Lubala, 1986. The East African Rift, magma genesis and astheno-lithospheric dynamics. Episodes, v.9; 211-215. (1714).
- Kanamori,H. and H.Mizutani, 1965. Ultrasonic measurements of elastic constants of rocks under high pressures. Bull.Earthq.Res.Institute, v.43; 173-194. (1174).

- Kanngieser,E, 1980. Common modeling of repeated gravity and height measurements, applied to the recent rifting episode in northern Iceland. Sec.Int.Symp.Probl.Rel.Redef.North Am.Vert.Geod.Netw.,Ottawa 1980; 8 pp. (863).
- Kanngieser,E., 1982. Application of least-squares collocation to gravity and height variations associated with a recent rifting process. Presented at IAG General Meeting, Tokyo, 1982; 15 pp. (1198).
- Kanngieser,E., 1982. Untersuchungen zur Bestimmung tektonisch bedingter zeitlicher Schwer- und Höhenänderungen in Nordisland. Dissertation, Universitat Hannover; 168 pp. (1200).
- Kanngieser,E., 1983. Vertical component of ground deformation in North-Iceland. Annales Geophysicae; .(1194).
- Kanngieser,E., 1985. Vierdimensionale Modellbildung in der Geodaesie. Zeit.Vermessungswesen,v.110; 59-67. (1357).
- Kappel,E.S. and W.B.F.Ryan, 1986. Volcanic episodicity and a non-steady state rift valley along Northeast Pacific spreading centers: Evidence from Sea MARC 1. J.Geophys.Research, v.91; 13925-13940. (1636).
- Karahanoglu,N.,V.Doyuran and N.Akkas, 1984. Finite-element simulation of hot-water-type geothermal reservoirs. J.Volcanol.Geoth.Research, v.23; 357-382. (1617).
- Karakin,A.V., 1975. Stresses caused by a horizontal displacement of the lithosphere. Izv.,Earth Physics,(No.10,1975,p.3-9), Engl.Edition; 629-632. (533).
- Karasik,A.M.,S.S.Rozhdestvenskiy and E.G.Donets, 1975. The structure of the magnetic anomaly field and the geometry of the spreading of the Mohn Ridge in the Norwegian-Greenland Sea. Izv.,Earth Physics,(No.2,1975,p.60-74), Engl.Edition; 115-123. (530).
- Karato,S., 1981. Rheology of the lower mantle. Phys.Earth Planet.Interiors, v.24; 1-14. (993).
- Karig,D.E. and W.Jensky, 1972. The proto-Gulf of California. Earth Planet.Sci.Letters, v.17; 169-174. (1908).
- Karner,G.D., M.S.Steckler and J.A.Thorne, 1983. Long-term thermo-mechanical properties of the continental lithosphere. Nature, v.304; 250-253. (1284).
- Karson,J.A. and J.R.Brown, 1988. Geologic setting of the Snake Pit hydrothermal site: An active vent field on the Mid-Atlantic Ridge. Marine Geophys.Researches, v.10; 91-107. (2044).
- Kasameyer,P.W.,R.P.Von Herzen and G.Simmons, 1972. Heat flow, bathymetry, and the Mid-Atlantic Ridge at 43 N. J.Geophys.Research, v.77; 2535-2542. (7).
- Kastens,K.A., 1987. A compendium of causes and effects of processes at transform faults and fracture zones. Rev.Geophysics, v.25; 1554-1562. (1722).
- Katagiri,K., W.K.Ott and B.G.Nutley, 1980. Hydraulic fracturing aids geothermal field development. World Oil, v.191 (7); 75-88. (971).
- Kaula,W.M., 1969. A tectonic classification of the main features of the earth's gravitational field. J.Geophys.Research, v.74; 4807-4826. (109).

- Kaula,W.M., 1970. Earth's gravity field: Relation to global tectonics. *Science*, v.169; 982-985. (108).
- Kay,M., 1967. Stratigraphy and structure of northeastern Newfoundland bearing on drift in North Atlantic. *Am.Ass.Petr.Geol.Bull.*, v.51; 579-600. (1168).
- Kay,M., 1969. Continental drift in the North Atlantic Ocean. In: *North Atlantic-Geology and Contin.Drift*, Mem.12, Am.Ass.P.Geol.; 965-973. (1169).
- Kay,M., 1973. Tectonic evolution of Newfoundland. In:*Gravity and Tectonics*, ed.K.A.De Jong and R.Scholten. J.Wiley; 313-326. (1173).
- Kay,R., N.J.Hubbard and P.W.Gast, 1970. Chemical characteristics and origin of oceanic ridge volcanic rocks. *J.Geophys.Research*, v.75; 1585-1613. (243).
- Kay,R.W. and P.W.Gast, 1973. The rare earth content and origin of alkali-rich basalts. *J.Geology*, v.81; 653-682. (436).
- Keefer,W.R., 1971. *The Geologic Story of Yellowstone National Park*. Geol.Survey Bulletin 1347, Washington D.C.; 92 pp. (429).
- Keen,C. and C.Tramontini, 1970. A seismic refraction survey on the Mid-Atlantic Ridge. *Geophys.J.R.astr.Soc.*, v.20; 473-491. (1148).
- Keen,C.E. and D.L.Barrett, 1972. Seismic refraction studies in Baffin Bay: an example of a developing ocean basin. *Geophys.J.R.astr.Soc.*, v.30; 253-271. (296).
- Keith,M.L., 1972. Ocean-floor convergence; a contrary view of global tectonics. *J.Geology*, v.80; 249-276. (107).
- Keith,M.L., 1981. Regional mid-ocean stress and a proposed focal mechanism of stress-discordant earthquakes. *Geophys.J.R.astr.Soc.*, v.65; 627-644. (1051).
- Kent,D.V., 1985. Statistical structure of geomagnetic reversals. *Nature*,v.313; 15. (1369).
- Kent,D.V. and F.M.Gradstein, 1985. A Cretaceous and Jurassic geochronology. *Geol.Soc.Am.Bull.*, v.96; 1419-1427. (1490).
- Kent,L.E., 1949. The thermal waters of the Union of South Africa and South West Africa. *Trans.Geol.Soc.South Africa*, v.52; 231-264. (1206).
- Kent,L.E. and H.D.Russell, 1949. The warm springs on Buffelshoek, near Thabazimbi, Transvaal. *Trans.Roy.Soc.South Africa*, v.32, pt.2; 161-175. (1205).
- Kern,H. and A.Richter, 1979. Compressional and shear wave velocities at high temperature and confining pressure in basalts from the Faeroe Islands. *Tectonophysics*, v.54; 231-252. (764).
- Kerr,R.A., 1978. Plate tectonics: What force drives the plates?. *Science*,v.200; 36-39. (1594).
- Kerr,R.A., 1979. How is new ocean crust formed?. *Science*, v.205; 1115-1118. (1018).
- Kerr,R.A., 1982. Extracting geothermal energy can be hard. *Science*, v.218; 668-669. (1254).

- Kerr,R.A., 1985. Old Faithful not so faithful anymore. *Science*, v.227; 42. (1624).
- Kerr,R.A., 1989. Hansen vs. the world on the greenhouse threat. *Science*, v.244; 1041-1043. (2058).
- Kerr,R.A., 1989. Deep holes yielding geoscience surprises. *Science*, v.245; 468-470. (2084).
- Khan,M.A., C.Summers, S.A.D.Bamford, P.N.Croston, C.K.Poster and F.J.Vine, 1972. Reversed seismic refraction line on the Troodos Massif, Cyprus. *Nature Phys.Sci.*, v.238; 134-136. (2013).
- Khurana,A., 1988. Rayleigh-Bénard experiment probes transition from chaos to turbulence. *Physics Today*, v.(June 1988); 17-21. (1837).
- Kidd,R.G.W., 1977. A model for the process of formation of the upper oceanic crust. *Geophys.J.R.astr.Soc.*, v.50; 149-183. (540).
- Kidd,R.G.W. and J.R.Cann, 1974. Chilling statistics indicate an ocean-floor spreading origin for the Troodos complex, Cyprus. *Earth Planet.Sci.Letters*, v.24; 151-155. (426).
- Kieffer,S.W., 1981. Blast dynamics at Mount St Helens on 18 May 1980. *Nature*, v.291; 568-570. (1024).
- Kirby,S.H., 1984. Introduction and digest to the special issue on chemical effects of water on the deformation and strength of rocks. *J.Geophys.Research*, v.89; 3991-3995. (2042).
- Kjaran,S.P., 1986. Geothermal reservoir engineering experience in Iceland. *Nordic Hydrologic Conference*, Reykjavík, 1986; 27. (1757).
- Kjaran,S.P. and S.T.Sigurdsson, 1981. Treatment of time derivative and calculation of flow when solving groundwater flow problems by Galerkin finite element methods. *Adv.Water Resources*, v.4; 23-33. (1605).
- Kjaran,S.P.,G.K.Halldorsson,S.Thorhallsson and J.Eliasson., 1979. Reservoir engineering aspects of Svartsengi geothermal area.. *Geoth.Res.Council,Trans.*,v.3.; 337-339.. (1326).
- Kjartansson,E. and K.Gronvold, 1983. Location of a magma reservoir beneath Hekla Volcano, Iceland. *Nature*, v.301; 139-141. (1201).
- Kjartansson,G., . Skýringar við jarðfræðikort af Íslandi. Útg.: Menningarsjóður; 16 bls. (1073).
- Kjartansson,G., . Supplementary notes to the legend of geological map of Iceland. Publ. Cultural Fund, Reykjavík; 10 pp. (1074).
- Kjartansson,G., 1955. Bólstraberg (Pillow lava in Iceland). *Náttúrufræðingurinn*, v.25; 227-240. (321).
- Kjartansson,G., 1966. Hugsanleg aðferð til ísvarna við virkjun vatnsfalla. Tíminn, sérprint; 20 bls. (2111).
- Kjartansson,G., 1970. Úr sögu berggrunns og landslags á Miðsuðurlandi. Suðri, 2.hefti, Reykjavík; 12-100. (1146).

Klein,F.W., P.Einarsson and M.Wyss, 1977. The Reykjanes Peninsula, Iceland, earthquake swarm of September 1972 and its tectonic significance. *J.Geophys.Research*, v.82; 865-888. (1090).

Kokelaar,B.P. and G.P.Durant, 1983. The submarine eruption and erosion of Surtla (Surtsey), Iceland. *J.Volcanol.Geothermal Research*, v.19; 239-246. (1364).

Kokelaar,B.P. and G.P.Durant, 1983. The petrology of basalts from Surtla (Surtsey), Iceland. *J.Volcanol.Geothermal Research*, v.19; 247-253. (1365).

Kono,Y. and M.Amano, 1978. Thickening model of the continental lithosphere. *Geophys.J.R.astr.Soc.*, v.54; 405-416. (845).

Kono,Y. and M.Amano, 1978. Thickening model of the continental lithosphere. *Geophys.J.R.astr.Soc.*, v.54; 405-416. (1952).

Kono,Y. and T.Yoshii, 1975. Numerical experiments on the thickening plate model. *J.Phys.Earth*, v.23; 63-75. (497).

Kono,Y., T.Tsuzuki and A.Yamamoto, 1979. Simulation of the time-dependent thermal convection within the Earth's mantle. *J.Phys.Earth*, v.27; 315-336. (846).

Kononov,V.I. and B.G.Polak, 1978. Geothermal activity of Iceland as a reflection of its geological structure. *Tectonophysics*, v.46; 135-157. (686).

Kozlovski,E., 1985. Kola: forage vers le centre de la Terre. *La Recherche*, v.16; 90-92. (1485).

Kozlovsky,Y.A., 1982. Kola super-deep: Interim results and prospects. *Episodes*, v.(1984),No.4; 9-11. (1271).

Kozlovsky,Ye.A., 1984. The world's deepest well. *Sci. American*,v.251; 106-112. (1616).

Kozminskaya,I.P. and N.K.Kapustyan, 1975. A generalized seismic model for an oceanic type of crust. *Izv.,Earth Physics*,No.2,1975,p.37-49.; 102-108 (Eng.ed.). (529).

Krantz,W.B., K.J.Gleason and N.Caine, 1988. Patterned ground. *Sci.American*, Dec.1988; 44-50. (1956).

Krause,D.C. and J.G.Schilling, 1969. Dredged basalt from the Reykjanes Ridge, North Atlantic. *Nature*, v.224; 791-793. (106).

Krishna Brahmam,N. and J.G.Negi, 1973. Rift valleys beneath Deccan traps (India). *Geophys.Res.Bull.*, v.11; 207-237. (391).

Kristjánsson,L., 1968. The paleomagnetism and geology of North-Western Iceland. *Earth Planet.Sci.Letters*, v.4; 448-450. (105).

Kristjánsson,L., 1970. Paleomagnetism and magnetic surveys in Iceland. *Earth Planet.Sci.Letters*, v.8; 101-108. (104).

Kristjánsson,L., 1972. On the thickness of the magnetic crustal layer in south-western Iceland. *Earth Planet.Sci.Letters*, v.16; 237-244. (103).

Kristjánsson,L., 1975. Geomagnetic measurements in drill holes through layered strata. *Geoexploration*, v.13; 45-55. (360).

- Kristjánsson,L., 1976. A marine magnetic survey off southern Iceland. Mar.Geophys.Researches, v.2; 315-326. (576).
- Kristjánsson,L., 1976. Central volcanoes on the western Icelandic shelf. Mar.Geophys.Researches, v.2; 285-289. (577).
- Kristjansson,L., 1985. Magnetic and thermal effects of dike intrusions in Iceland. J.Geophys.Research, v.90; 10129-10135. (1451).
- Kristjánsson,L. and I.McDougall, 1982. Some aspects of the late Tertiary geomagnetic field in Iceland. Geophys.J.R.astr.Soc., v.68; 273-294. (1094).
- Kristjánsson,L. and N.D.Watkins, 1977. Magnetic studies of basalt fragments recovered by deep drilling in Iceland, and the "magnetic layer" concept. Earth Planet.Sci.Letters, v.34; 365-374. (589).
- Kristjánsson,L., G.Jónsson and M.Sverrisson, 1989. Magnetic surveys at the Science Institute. Report RH01.89; 40 pp + maps. (2061).
- Kristjánsson,L., H.Jóhannesson, J.Eiríksson and A.I.Gudmundsson, 1988. Brunhes-Matuyama paleomagnetism in three lava sections in Iceland. Can.J.Earth Sci., v.25; 215-225. (1834).
- Kristjánsson,L., I.B.Fridleifsson and N.D.Watkins, 1980. Stratigraphy and paleomagnetism of the Esja, Eyrarfjall and Akrafjall mountains, SW-Iceland. J.Geophysics, v.47; 31-42. (900).
- Kristjánsson,L., K.Thors and H.R.Karlsson, 1976. Í leit að megineldstöðvum á landgrunnu. Náttúrufræðingurinn, v.466; 209-216. (707).
- Kristjánsson,L., K.Thors and H.R.Karlsson, 1977. Confirmation of central volcanoes off the Icelandic coast. Nature, v.268; 325-326. (706).
- Kristjánsson,L., R.Patzold and J.Preston, 1975. The palaeomagnetism and geology of the Patreksfjördur-Arnarfjördur region of northwest Iceland. Tectonophysics, v.25; 201-216. (12).
- Kristmannsdóttir,H., 1971. Anorthosite inclusions in Tertiary dolerite from the island groups Hrappsey and Purkey, West Iceland. J.Geol., v.79; 741-748. (395).
- Kristmannsdóttir,H., 1975. Hydrothermal alteration of basaltic rocks in Icelandic geothermal areas. Second U.N. Symp. Dev. Use Geothermal Resources, San Francisco; 441-445. (893).
- Kristmannsdóttir,H., 1976. Types of clay minerals in hydrothermally altered basaltic rocks, Reykjanes, Iceland. Jökull, v.26; 30-39. (689).
- Kristmannsdóttir,H., 1979. Alteration of basaltic rocks by hydrothermal activity at 100-300 C. In: Internat.Clay Conference 1978 (ed.Mortland & Farmer), Amsterdam; 359-367. (746).
- Kristmannsdóttir,H., 1981. Wollastonite from hydrothermally altered basaltic rocks in Iceland. Mineral.Mag., v.44; 95-99. (1006).
- Kristmannsdóttir,H., 1989. Types of scaling occurring by geothermal utilization in Iceland. Geothermics, v.18; 183-190. (2074).

Kristmannsdóttir,H. and J.Tomasson, 1978. Zeolite zones in geothermal areas in Iceland. In:Natural Zeolites,...(ed.L.B.Sand and Mumpton), Pergamon Press; 277-284. (721).

Kristmannsdóttir,H., M.Ólafsson and S.Thórhallsson, 1989. Magnesium silicate scaling in district heating systems in Iceland. Geothermics, v.18; 191-198. (2075).

Kristoffersen,Y., 1978. Sea-floor spreading and the early opening of the North Atlantic. Earth Planet.Sci.Letters, v.38; 273-290. (904).

Kristoffersen,Y. and M.Talwani, 1977. Extinct triple junction south of Greenland and the Tertiary motion of Greenland relative to North America. Geol.Soc.Am.Bull., v.88; 1037-1049. (654).

Kropotkin,P.N., 1969. The problem of continental drift (mobilism). Izv., Earth Physics, No.3; 3-18 (Engl.Ed., p.139-149). (1901).

Ku,T.-L. and W.Broecker, 1967. Rates of sedimentation in the Arctic Ocean. In: Progress in Oceanography, vol.4, Pergamon Press; 95-104. (1907).

Kukacka,L.E., 1986. Tapping the Earth's geothermal resources - hydrothermal today, magma tomorrow. Brookhaven Lecture Series, No.230, Dec.17, 1986. Br.Nat.Laboratory; 14 pp. (1709).

Kumarapeli,P.S., 1976. The ST.Lawrence rift system, related metallogeny, and plate tectonic models of Appalachian evolution. Geol.Ass.Canada, Spec.Paper No.14; 301-320. (629).

Kumataka,M.K. and W.B.Bayard, 1982. Remote control of a geothermal steam pipeline. J.Petrol.Technology, v.34; 989-994. (1936).

Kumazawa,M., H.Helmstaedt and K.Masaki, 1971. Elastic properties of eclogite xenoliths from diatremes of the East Colorado plateau and their implications to the upper mantle structure. J.Geophys.Research, v.76; 1231-1247. (482).

Kusznir,N.J., 1980. Thermal evolution of the oceanic crust; its dependence on spreading rate and effect on crustal structure. Geophys.J.R.astr.Soc., v.61; 167-181. (960).

Kusznir,N.J. and M.H.P.Bott, 1976. A thermal study of the formation of oceanic crust. Geophys.J.R.astr.Soc., v.47; 83-95. (520).

LaBrecque,J.L. and S.C.Cande, 1984. Intermediate-wavelength magnetic anomalies over the Central Pacific. J.Geophys.Research, v.89; 11124-11134. (1372).

Lachenbruch,A. and J.H.Sass, 1978. Model of an extending lithosphere and heat flow in the Basin and Range province. In:Cenozoic Tectonics....Western Cordillera. GSA Memoir 152; . (779).

Lachenbruch,A.H., 1973. Differentiation and the gravitational driving force for material rising at an oceanic ridge. J.Geophys.Research, v.78; 825-831. (481).

Lachenbruch,A.H. and J.H.Sass, 1977. Heat flow in the United States and the thermal regime of the crust. In:The Earth's Crust.Its Nature...(ed.J.G.Heacock), AGU Geoph.Mon. 20; 626-675. (684).

Ólafsson,J. and J.P.Riley, 1978. Geochemical studies on the thermal brine from Reykjanes (Iceland). Chem.Geol., v.21; 219-237. (1236).

- Ólafsson,M., P.Imsland og G.Larsen, 1984. Nornahár II.Efni,eiginleikar og myndun. Náttúrufræðingurinn,v.53; 135-144. (1387).
- Lago,B., 1987. Thermal and mechanical behaviour of the oceanic lithosphere constrained by geoid and gravity anomalies over the Mid-Atlantic Ridge axial valley. Phys.Earth Planet.Interiors, v.49; 6-23. (1798).
- Lalou,C.,E.Brichet and R.Hekinian, 1985. Age dating of sulphide deposits from axial and off-axis structures on the East Pacific Rise near 12° 50' N. Earth Planet.Sci.Letters,v.75; 59-71. (1406).
- Lambeck,K., 1972. Gravity anomalies over ocean ridges. Geophys.J.R.astr.Soc., v.30; 37-53. (1162).
- Langerholc,J., 1981. Calculation of moving phase boundary with latent heat. Appl.Math.Computation, v.9; 43-51. (1056).
- Langmuir,C.H., 1987. A magma chamber observed?. Nature, v.326; 15-16. (1716).
- Langmuir,C.H., R.D.Vocke Jr, G.N.Hanson anr S.R.Hart, 1978. A general mixing equation with applications to Icelandic basalts. Earth Planet.Sci.Letters, v.37; 380-392. (997).
- Langseth,M.G.Jr., X.LePichon and M.Ewing, 1966. Crustal structure of the mid-ocean ridges. 5. Heat flow through the Atlantic Ocean floor and convection currents. J.Geophys.Research, v.71; 5321-5355. (1164).
- Larsen,G., 1979. Um aldur Eldgjárhrauna. Náttúrufræðingurinn, v.49; 1-26. (842).
- Larsen,G., 1981. Tephrochronology by microprobe glass analysis. In:Tephra Studies(ed.S.Self and R.S.J.Sparks). D.Reidel Publ.Co.; 95-102. (1071).
- Larsen,G., 1984. Recent volcanic history of the Veidivötn fissure swarm,southern Iceland - an approach to volcanic risk assessment. J.Volcanol.Geotherm.Res., v.22; 33-58. (1338).
- Larsen,G. and S.Thorarinsson, 1977. H4 and other acid Hekla tephra layers. Jökull, v.27; 28-46. (766).
- Larsen,G., K.Grönvold and S.Thorarinsson, 1979. Volcanic eruption through a geothermal borehole at Námafjall, Iceland. Nature, v.278; 707-710. (839).
- Larsen,H.C. and S.Jakobsdóttir, 1988. Distribution, crustal properties and significance of seawards-dipping sub-basement reflectors off E Greenland. In.: Early Tertiary Volcanism and the Opening of the NE Atlantic (ed.: Morton,A.C. and L.M.Parson), Geol.Soc.Spec.Publ. No.39; 95-114. (2006).
- Larsen,L.M. and W.S.Watt, 1985. Episodic volcanism during break-up of the North Atlantic: evidence from the East Greenland plateau basalts. Earth Planet.Sci.Letters,v.73; 105-116. (1621).
- Laughton,A.S., R.C.Searle and D.G.Roberts, 1977. The Reykjanes Ridge crest and the transition between its rifted and non-rifted regions. Presented at IASPEI-IAVCEI Assembly, Durham, 1977. (Abstract); 2 pp. (801).
- Lavruschin,Y.A., 1971. Issledovanie geologicheskogo stroenija Islandii. Vestnik Akad.Nauk SSSR, 4, Moskva; 31-36. (1167).

- Lawrence,J.R. and S.Maxwell, 1978. Geothermal exploration in the Azores: (18)O/(16)O in calcites from volcanic rocks. *J.Volcanol.Geoth.Research*, v.4; 219-223. (1596).
- Le Douaran,S., H.D.Needham and J.Francheteau, 1982. Pattern of opening rates along the axis of the Mid-Atlantic Ridge. *Nature*, v.300; 254-257. (1210).
- Leary,P.C., 1985. Near-surface stress and displacement in a layered elastic crust. *J.Geophys.Research*, v.90; 1901-1910. (1345).
- Leg 82 Scientific Party, 1982. On Leg 82 elements traced in Atlantic. *Geotimes*, July 1982; 21-23. (1526).
- Leibov,M.B. and E.G.Mirlin, 1978. Modelling the formation of magnetic layers in the axes of the mid-oceanic ridges. *Izv.,Earth Physics*, v.14(7); 499-504. (989).
- LePichon,X. and M.G.Langseth,Jr., 1969. Heat flow from the mid-ocean ridges and sea-floor spreading. *Tectonophysics*, v.8; 319-344. (227).
- LePichon,X. and P.J.Fox, 1971. Marginal offsets, fracture zones, and the early opening of the North Atlantic. *J.Geophys.Research*, v.76; 6294-6308. (317).
- LePichon,X., R.E.Houtz, C.L.Drake and J.E.Nafe, 1965. Crustal structure of the mid-ocean ridges. 1. Seismic refraction measurements. *J.Geophys.Research*, v.70; 319-339. (228).
- Lépine,J.-C.,J.-C.Ruegg and A.M.Anis, 1980. Sismicité du rift d'Asal-Ghoubbet pendant la crise sismo-volcanique de novembre 1978. *Bull.Soc.géol.France*,v.22; 809-816. (1405).
- Levy,D., 1978. Computers are now chess masters. *New Scientist*, v.79; 256-258. (1763).
- Lewis,B.T.R., 1983. The process of formation of ocean crust. *Science*, v.220; 151-157. (1782).
- Leythaeuser,D., 1986. Generation and migration of oil. (preprint) . Námskeið í sourcerockgeologi, Rungstedgarden; . (1458).
- Li Chunyu (C.Y.Lee), Wang Quan, Liu Xueya and Tang Yaoqing, 1982. Explanatory notes to the tectonic map of Asia. Research Institute of Geology, Chinese Academy of Geological Sciences; 49 pp. (1700).
- Li Tingdong, 1980. The development of geological structures in China. *GeoJournal*, v.4.6; 487-497. (1679).
- Li Tingdong, Xiao Xuchang, Li Guangcen, Gao Yanlin and Zhou Weiqin, 1986. The crustal evolution and uplift mechanism of the Qinghai-Tibet plateau. *Tectonophysics*, v.127; 279-289. (1678).
- Liao Zhijie, Guo Guoying and Liu Shibin, . Predevelopment study of Yangbajain geothermal field in Xizang (Tibet). Ljósrit, Stanford Workshop ?; 109-111. (1533).
- Lilwall,R.C., 1980. Fault mechanisms and sub-crustal seismic velocities on the Mid-Atlantic Ridge. *Geophys.J.R.astr.Soc.*, v.60; 245-262. ().

Lilwall.R.C., T.J.G.Francis and I.T.Porter, 1977. Ocean-bottom seismograph observations on the Mid-Atlantic Ridge near 45N. *Geophys.J.R.astr.Soc.*, v.51; 357-370. (744).

Lilwall.R.C., T.J.G.Francis and I.T.Porter, 1978. Ocean-bottom seismograph observations on the Mid-Atlantic Ridge near 45N - further results. *Geophys.J.R.astr.Soc.*, v.55; 255-262. (742).

Lilwall,R.C., T.J.G.Francis and I.T.Porter, 1980. Some ocean-bottom seismograph observations on the Reykjanes Ridge at 59N. *Geophys.J.R.astr.Soc.*, v.62; 321-327. (866).

Lind,G., I.B.Ramberg and A.Farestveit, 1972. Geophysical studies of the Paarup salt dome, the Danish Embayment. *Bull.Geol.Soc.Denmark*, v.21; 382-394. (1947).

Líndal,B., 1973. Industrial and other applications og geothermal energy. In:Geothermal Energy (ed.H.C.H.Armstead),*Earth.Sci.*,v.12,UNESCO,Paris; 135-148. (919).

Líndal,S., 1980. Island og det gamle Svalbard. Utanríkisráðuneytið, Reykjavík, 1980; 40 bls. (1814).

Lippman,M.J. and G.S.Bodvarsson, 1985. The Heber geothermal field,California: Natural state and exploitation modeling studies. *J.Geophys.Research*, v.90; 745-758. (1381).

Lister,C.R.B., 1972. On the thermal balance of a mid-ocean ridge. *Geophys.J.R.astr.Soc.*, v.26; 515-535. (226).

Lister,C.R.B., 1982. "Active" and "passive" hydrothermal systems in the oceanic crust: Predicted physical conditions. In:*The Dynamic Environment of the Ocean Floor*;D.C.Heath,Lex.Mass.USA; 441-470. (1088).

Little,S.A., K.D.Stolzenbach and R.P.von Herzen, 1987. Measurements of plume flow from a hydrothermal vent field. *J.Geophys.Research*, v.92; 2587-2596. (1770).

Litvin,V.M., N.A.Marova, M.W.Rudenko and G.B.Udintsev, 1972. Morphostructure of the Atlantic Rift Zone in the "Kurchatov" and "Atlantis" fracture zones (in Russian). *Okeanologiya*, v.12; 631-639. (1946).

Logan,J.M., 1979. Brittle phenomena. *Rev.Geophys.Space Physics*. v.17; 1121-1132. (907).

Logatchev,N.A., V.V.Belousov and E.E.Milanovsky, 1972. East African rift development. *Tectonophysics*, v.15; 71-81. (251).

Lomize,M.G., 1976. Bazaltovije dajki i razrastanje zemnoj kori v vostochnoj Islandii. *Geotektonika* (Moscow), No.2, 1976; 57-72. (518).

Long,R.E. and M.G.Mitchell, 1970. Teleseismic P-wave delay time in Iceland. *Geophys.J.R.astr.Soc.*, v.20; 41-48. (102).

Lonsdale,P., 1977. Structural geomorphology of a fast-spreading rise crest: the East Pacific Rise near 3 25 S. *Mar.Geophys.Researches*, v.3; 251-293. (953).

Lonsdale,P., 1977. Regional shape and tectonics of the equatorial East Pacific Rise. *Mar.Geophys.Researches*, v.3; 295-315. (954).

Lonsdale,P., 1979. A deep-sea hydrothermal site on a strike-slip fault. *Nature*, v.281; 531-534. (1958).

Lonsdale,P., 1986. Comments on "East Pacific Rise from Siqueiros to Orozco Fracture Zones: Along-strike continuity of axial neovolcanic zone and structure". *J.Geophys.Research*, v.91; 10493-10499. (1641).

Lonsdale,P.F., J.L.Bischoff, V.M.Burns, M.Kastner and R.E.Sweeney, 1980. A high-temperature hydrothermal deposit on the seabed at a Gulf of California spreading center. *Earth Planet.Sci.Letters*, v.49; 8-20. (947).

Lort,J.M. and D.H.Matthews, 1972. Seismic velocities measured in rocks of the Troodos igneous complex. *Geophys.J.R.astr.Soc.*, v.27; 383-392. (1163).

Lovins,A.B., 1978. Soft energy technologies. *Ann.Rev.Energy*, v.3; 477-517. (884).

Lovins,A.B., 1978. Soft energy technologies. *Ann.Rev.Energy*, v.3; 477-517. (1595).

Lowell,R.P., 1980. Topographically driven subcritical hydrothermal convection in the oceanic crust. *Earth Planet.Sci.Letters*, v.49; 21-28. (946).

Lowell,R.P. and G.Böðvarsson, 1973. A one dimensional convection model: application to an internally heated two-phase mantle. *Jökull*, v.23; 19-36. (331).

Lowell,R.P. and P.A.Rona, 1976. On the interpretation of near-bottom water temperature anomalies. *Earth Planet.Sci.Letters*, v.32; 18-24. (524).

Lowell,R.P. and P.A.Rona, 1985. Hydrothermal models for the generation of massive sulfide ore deposits. *J.Geophys.Research*, v.90; 8769-8783. (1438).

Lowrie,W. and D.V.Kent, 1983. Geomagnetic reversal frequency since the Late Cretaceous. *Earth Planet.Sci.Letters*, v.62; 305-313. (1272).

Lowrie,W., R.Lövlie and N.D.Opdyke, 1973. The magnetic properties of deep sea drilling project basalts from the Atlantic Ocean. *Earth Planet.Sci.Letters*, v.17; 338-349. (312).

Lubimova,E.A. and V.N.Nikitina, 1978. Thermal models of arcs and ridges - A "source-span-sink model". *Tectonophysics*, v.45; 341-362. (762).

Luyendyk,B.P. and K.C.Macdonald, 1977. Physiography and structure of the inner floor of the FAMOUS rift valley: Observations with a deep-towed instrument package. *Geol.Soc.Am.Bull.*, v.88; 648-663. (1187).

Luyendyk,B.P. and K.C.Macdonald, 1985. A geological transect across the crest of the East Pacific Rise at 21°N latitude made from the deep submersible Alvin. *Mar.Geophys.Researches*, v.7; 467-488. (1584).

Lyakhovitsky,F.M., 1961. Magnitude of Poisson's ratio for rocks. *Bull.(Izv.) Acad.Sci.USSR,Geoph.Ser.*No.9,p.1363-1366,Engl.Ed.Jan.62; 887-889. (477).

Maasha,N. . Electrical resistivity and microearthquake surveys of the Sempaya, Lake Kitagata, and Kitagata geothermal anomalies, Western Uganda. *UN;* 1103-1112. (2152).

- Maasha,N., 1975. The seismicity of the Ruwenzori region in Uganda. *J.Geophys.Research*, v.80; 1485-1496. (2109).
- Maasha,N. and P.Molnar, 1972. Earthquake fault parameters and tectonics in Africa. *J.Geophys.Research*, v.77; 5731-5743. (247).
- Mabey,D.R., 1983. Geothermal resources of southern Idaho. U.S.Geological Survey Circular 866; 24 pp. (1358).
- Macdonald,K.C., 1977. Near-bottom magnetic anomalies, asymmetric spreading, oblique spreading, and tectonics of the Mid-Atlantic Ridge near lat 37 N. *Geol.Soc.Am.Bull.*, v.88; 541-555. (1181).
- Macdonald,K.C., 1982. Mid-ocean ridges: Fine scale tectonics, volcanic and hydrothermal processes within the plate boundary zone. *Ann.Rev.Earth Planet.Sci.*, v.10; 155-190. (1199).
- Macdonald,K.C. and B.P.Luyendyk, 1977. Deep-tow studies of the structure of the Mid-Atlantic Ridge crest near lat 37 N. *Geol.Soc.Am.Bull.*, v.88; 621-636. (1185).
- Macdonald,K.C. and B.P.Luyendyk, 1981. The crest of the East Pacific Rise. *Sci.American*, v.244; 86-99. (1044).
- Macdonald,K.C. and B.P.Luyendyk, 1985. Investigation of faulting and abyssal hill formation on the flanks of the East Pacific Rise (21 N) using Alvin. *Mar.Geophys.Researches*, v.7; 515-535. (1585).
- Macdonald,K.C. and T.M.Atwater, 1978. Evolution of rifted ocean ridges. *Earth Planet.Sci.Letters*, v.39; 319-327. (719).
- Macdonald,K.C.,D.A.Castillo,S.P.Miller,P.J.Fox,K.A.Kastens and E.Bonatti, 1986. Deep-tow studies of the Vema Fracture Zone. 1.Tectonics of a major slow slipping transform fault and its intersection with the Mid-Atlantic Ridge. *J.Geophys.Research*, v.91; 3334-3354. (1496).
- Macdonald,K.C., J.-C.Sempere and P.J.Fox, 1986. Reply: The debate concerning overlapping spreading centers and mid-ocean ridge processes. *J.Geophys.Research*, v.91; 10501-10511. (1640).
- Macdonald,K.C., K.Becker, F.N.Spiess and R.D.Ballard, 1980. Hydrothermal heat flux of the "black smoker" vents on the East Pacific Rise. *Earth Planet.Sci.Letters*, v.48; 1-7. (955).
- Macdonald,K.C., P.J.Fox, L.J.Perram, M.F.Eisen, R.M.Haymon, S.P.Miller, S.M.Carbotte, M.-H.Cormier and A.N.Shor, 1988. A new view of the mid-ocean ridge from the behaviour of ridge-axis discontinuities. *Nature*, v.335; 217-225. (1884).
- Macdonald,K., J.-C.Sempere and P.J.Fox, 1984. East Pacific Rise from Siqueiros to Orozco fracture zones: Along-strike continuity of axial neovolcanic zone and structure and evolution of overlapping spreading centers. *J.Geophys.Research*, v.89; 6049-6069. (2039).
- Mäkipää,H., 1978. Petrological relations in some Icelandic basaltic hyaloclastites. *Bull.Geol.Soc.Finland*, v.50; 81-112. (756).
- Mäkipää,H., 1978. Mineral equilibria, geothermometers and geobarometers in some Icelandic hyaloclastites. *Bull.Geol.Soc.Finland*, v.50; 113-134. (757).

- Makris,J., J.Zimmermann, H.C.Bachem and B.Ritter, 1973. Gravity survey of south Afar, Ethiopia. Zeit.f.Geophysik, v.39; 279-290. (276).
- Malmberg,S.Å., 1962. Schichtung und Zirkulation in den südisländischen Gewässern. Kieler Meeresforsch., v.18; 3-28. (918).
- Mammerickx,J.and D.Sandwell, 1986. Rifting of old oceanic lithosphere. J.Geophys.Research, v.91; 1975-1988. (1503).
- Marchig,V..J.Erzinger and P.-M.Heinze, 1986. Sediment in the black smoker area of the East Pacific Rise (18.5 S). Earth Planet.Sci.Letters,v.79; 93-106. (1618).
- Mareschal,J.-C., 1983. Uplift and heat flow following the injection of magmas into the lithosphere. Geophys.J.Roy.astr.Soc., v.73; 109-127. (2127).
- Mareschal, J.-C., 1987. Plate tectonics: Scientific revolution or scientific program?. EOS, May 19,1987; 529-533. (1706).
- Margat,J., 1987. Groundwater management in France. Environ.Geol.Water Sci., v.9; 105-108. (1658).
- Marinelli,G. and J.Varet, 1973. Structure et évolution du Sud du "horst Danakil" (TFAI et Ethiopie). C.R.Acad.Sc.Paris, v.276, série D; 1119-1122. (268).
- Marler,G.D. and D.E.White, 1975. Seismic Geyser and its bearing on the origin and evolution of geysers and hot springs of Yellowstone National Park. Geol.Soc.Am.Bull., v.86; 749-759. (1466).
- Marquart,G., 1983. Modellierung der Oberflächendeformationen im Gebiet des seismisch und tektonisch aktiven Krafla-Spaltenschwärms in Nord-Ost-Island.. Ber.Inst.Meteorol.Geophysik, Univ.Frankfurt/Main,Nr.51.; 150 pp., (1288).
- Marquart,G. and W.Jacoby, 1985. On the mechanism of magma injection and plate divergence during the Krafla rifting episode in NE Iceland. J.Geophys.Research, v.90; 10178-10192. (1456).
- Marsh,B.D., 1982. On the mechanics of igneous diapirism, stoping, and zone melting. Am.J.Sci., v.282; 808-855. (1938).
- Marsh,B.D. and L.H.Kantha, 1978. On the heat and mass transfer from an ascending magma. Earth Planet.Sci.Letters, v.39; 435-443. (714).
- Marshall,M. and A.Cox, 1971. Magnetism of pillow basalts and their petrology. Geol.Soc.Am.Bull., v.82; 537-552. (57).
- Martin III, R.J., 1979. Pore pressure effects in crustal processes. Rev.Geophys.Space Physics, v.17; 1132-1137. (908).
- Martin,J., 1954. Base gravimétrique française Paris-Toulouse. Extension de Toulouse au Pic du Midi. Expéd. polaires françaises, Missions Paul-Emile Victor. Résultats scientifiques No NS.III.3, Paris; 116 pp. (1846).
- Matsumoto,T., 1971. Seismic body waves observed in the vicinity of Mount Katmai, Alaska, and evidence for the existence of molten chambers. Geol.Soc.Am.Bull., v.82; 2905-2920. (484).

- Matthews,D.H. and J.Bath, 1967. Formation of magnetic anomaly pattern of mid-Atlantic ridge. *Geophys.J.R.astr.Soc.*, v.13; 349-357. (237).
- Matthews,D.H., J.Lort, T.Vertue, C.K.Poster and I.G.Gass, 1971. Seismic velocities at the Cyprus outcrop. *Nature Phys.Sci.*, v.231; 200-201. (1904).
- Maxwell,J.C., 1984. What is the lithosphere?. *EOS*, v.65; 321, 324, 325. (1921).
- Maynard,G.L., 1970. Crustal layer of seismic velocity 6.9 to 7.6 kilometers per second under the deep oceans. *Science*, v.168; 120-121. (399).
- McBirney,A.R., 1970. Some current aspects of volcanology. *Earth-Sci.Rev.*, v.6; 337-352. (290).
- McBirney,A.R., 1971. Oceanic volcanism: a review. *Rev.Geophys.Space Phys.*, v.9; 523-556. (406).
- McBirney,A.R. and I.G.Gass, 1967. Relations of oceanic volcanic rocks to mid-oceanic rises and heat flow. *Earth Planet.Sci.Letters*, v.2; 265-276. (101).
- McCarthy,J., J.C.Mutter, J.L.Morton, N.H.Sleep and G.A.Thompson, 1988. Relic magma chamber structures preserves within the Mesozoic North Atlantic crust. *Geol.Soc.Am.Bull.*, v.100; 1423-1436. (1871).
- McClain,J.S. and B.T.R.Lewis, 1980. A seismic experiment at the axis of the East Pacific Rise. *Mar.Geol.*, v.35; 147-169. (939).
- McConnell,R.B., 1972. Geological development of the rift system of Eastern Africa. *Geol.Soc.Am.Bull.*, v.83; 2549-2572. (249).
- McConnell,R.B., 1974. Evolution of taphrogenic lineaments in continental platforms. *Geol.Rundschau*, v.63 (2); 389-430. (13).
- McConnell,R.B., 1977. East African Rift System dynamics in view of Mesozoic apparent polar wander. *Jl Geol.Soc.Lond.*, v.134; 33-39. (950).
- McConnell,R.B., 1980. A resurgent taphrogenic lineament of Precambrian origin in eastern Africa. *Jl Geol.Soc.Lond.*, v.137; 483-489. (951).
- McDougall,I. and H.Wensink, 1966. Paleomagnetism and geochronology of the Pliocene-Pleistocene lavas in Iceland. *Earth Planet.Sci.Letters*, v.1; 232-236. (100).
- McDougall,I., K.Saemundsson, H.Johannesson, N.D.Watkins and L.Kristjansson, 1977. Extension of the geomagnetic polarity time scale to 6.5 m.y.: K-Ar dating, geological and paleomagnetic study of a 3,500-m lava succession in western Iceland. *Geol.Soc.Am.Bull.*, v.88; 1-15. (588).
- McDougall,I.,L.Kristjansson and K.Saemundsson., 1984. Magnetostratigraphy and geochronology of Northwest Iceland.. *J.Geophys.Research*, v.89.; 7029-7060.. (1324).
- McDougall,I., N.D.Watkins and L.Kristjansson, 1976. Geochronology and paleomagnetism of a Miocene-Pliocene lava sequence at Bessastadaá, eastern Iceland. *Am.J.Sci.*, v.276; 1078-1095. (556).
- McDougall,I., N.D.Watkins, G.P.L.Walker and L.Kristjánsson, 1976. Potassium-argon and paleomagnetic analysis of Icelandic lava flows: Limits on the age af anomaly 5. *J.Geophys.Research*, v.81; 1505-1512. ().

- McDuff,R.E. and J.M.Edmond, 1982. On the fate of sulfate during hydrothermal circulation at mid-ocean ridges. *Earth Planet.Sci.Letters*, v.57; 117-132. (1204).
- McGarr,A., 1988. On the state of lithospheric stress in the absence af applied tectonic forces. *J.Geophys.Research*, v.93; 13609-13617. (1917).
- McKenzie, D., 1985. The extraction of magma from the crust and mantle. *Earth Planet.Sci.Letters*,v.74; 81-91. (1539).
- McKenzie, D.P., 1967. Some remarks on heat flow and gravity anomalies. *J.Geophys.Research*, v.72; 6261-6273. (1145).
- McKenzie, D.P. and J.G.Sclater, 1969. Heat flow in the eastern Pacific and sea floor spreading. *Bull.Volcanologique*, v.33; 101-117. (281).
- McKenzie, D.P. and J.G.Sclater, 1973. The evolution of the Indian Ocean. *Sci. American*, v.228; 62-72. (277).
- McMaster, R.L., J.-G.E.Schilling and P.Pinot, 1977, Plate boundary within Tjörnes fracture zone on northern Iceland's insular margin. *Nature*, v.269; 663-668. (691).
- McNitt,J.R., 1977. Origin of steam in geothermal reservoirs. Presented 52nd SPE Conf., Denver, Oct.1977 (handrit); 17 pp. (1771).
- Meissner, R.O. and U.R.Vetter, 1976. Isostatic and dynamic processes and their relation to viscosity. *Tectonophysics*, v.35; 137-148. (554).
- Melosh, H.J., 1976. Plate motion and thermal instability in the asthenosphere. *Tectonophysics*, v.35; 363-390. (536).
- Melson, W.G., G.Thompson and T.H.van Andel, 1968. Volcanism and metamorphism in the Mid-Atlantic Ridge, 22 N latitude. *J.Geophys.Research*, v.73; 5925-5941. (1113).
- Menzies,A.J., J.S.Gudmundsson and R.N.Horne, 1982. Flashing flow in fractured geothermal reservoirs. 8th Workshop on Geothermal Reservoir Engineering, Stanford Univ., Stanford, California, 14.-16.December 1982; . (1235).
- Meyer,O., D.Voppel, U.Fleischer, H.Closs and K.Gerke, 1972. Results of bathymetric, magnetic and gravimetric measurements between Iceland and 70 N. *Deutsche Hydrogr.Zeitschrift*, v.25, H.5; 193-201. (99).
- Meyer,P.S. and H.Sigurdsson, 1978. Interstitial acid glass and chlorophaeite in Iceland. *Lithos*, v.11; 231-241. (732).
- Meyer,P.S.,H.Sigurdsson and J.-G.Schilling, 1985. Petrological and geochemical variations along Iceland's neovolcanic zones. *J.Geophys.Research*, v.90; 10043-10072. (1445).
- Milanovskij,E.E., 1979. Einige Gesetzmässigkeiten der tektonischen und magmatischen Entwicklung der Erde während der Phanerozoikums. *Z.geol.Wiss.,Berlin*, v.7; 323-335. (817).
- Milanovsky,E.E., 1972. Continental rift zones: their arrangement and development. *Tectonophysics*, v.15; 65-70. (244).

Milanovsky,E.E., 1979. Structure of south-western Iceland in the light of newest geological and geophysical data, (in Russian). Bull.Moscow Soc.Naturalists, Sec.Geol., v.54, No.4; 16-34. (818).

Milanovsky,E.E., 1980. Neotectonics of the East-African rift system. In: Geodynamic Evolution of the Afro-Arabian Rift System; Rome 1979; Accad.Naz.Lincei; 49-63. (1226).

Milanovsky,E.E., 1981. Aulacogens of ancient platforms: Problems of their origin and tectonic development. Tectonophysics, v.73; 213-248. (1772).

Milanovsky,E.E., 1982. The Rio Grande rift zone in North America and its tectonic position (in Russian). Bull.Moscow Naturalists Soc., Dept. of Geol., v.57; 3-17. (1228).

Miller,A.R., C.D.Densmore, E.T.Degens, J.C.Hathaway, F.T.Manheim, P.F.McFarlin, R.Pocklington and A.Jokela, 1966. Hot brines and recent iron deposits in deeps of the Red Sea. Geochim.Cosmochim.Acta, v.30; 341-359. (2008).

Miller,C.W., S.M.Benson, M.J.O'Sullivan and K.Pruess, 1982. Wellbore effects in the analysis of two-phase geothermal well tests. SPEJ, v.22; 309-320. (1933).

Miller,G.F. and H.Pursey, 1954. The field and radiation impedance of mechanical radiators on the free surface of a semi-infinite isotropic solid. Proc.Roy.Soc.,A., v.223; 521-541. (1114).

Miller,S.L. and J.L.Bada, 1988. Submarine hot springs and the origin of life. Nature, v.334; 609-611. (1875).

Miller,S.P., 1977. The validity of the geological interpretations of marine magnetic anomalies. Geophys.J.R.astr.Soc., v.50; 1-21. (633).

Millon,R., 1970. Teotihuacán: Completion of map of giant ancient city in the valley of Mexico. Science, v.170; 1077-1082. (1858).

Mills,W.G., 1985. Explanatory notes, Deep Sea Drilling Project Leg 82. Init.Repts.DSDP,v.82 (ed.H.Bougault); 45-58. (1519).

Minster,J.B., T.H.Jordan, P.Molnar and E.Haines, 1974. Numerical modelling of instantaneous plate tectonics. Geophys.J.R.astr.Soc., v.36; 541-576. (750).

Mitchell,J.F.B., 1989. The "greenhouse" effect and climatic change. Rev. Geophysics, v.27; 115-139. (2096).

Miyashiro,A.. 1973. Thje Troodos ophiolitic complex was probably formed in an island arc. Earth Planet.Sci.Letters, v.19; 218-224. (310).

Miyashiro,A. and F.Shido, 1970. Progressive metamorphism in zeolite assemblages. Lithos, v.3; 251-260. (1144).

Miyashiro,A., F.Shido and M.Ewing, 1969. Diversity and origin of abyssal tholeiite from the Mid-Atlantic Ridge near 24 and 30 north latitude. Contr.Mineral.Petrol., v.23; 38-52. (1112).

Miyashiro,A., F.Shido and M.Ewing, 1969. Composition and origin of serpentinites from the Mid-Atlantic Ridge near 24 and 30 north latitude. Contr.Mineral.Petrol., v.23; 117-127. (1143).

- Miyashiro,A., F.Shido and M.Ewing, 1970. Petrologic models for the Mid-Atlantic Ridge. Deep-Sea Research, v.17; 109-123. (230).
- Miyashiro,A., F.Shido and M.Ewing, 1971. Metamorphism in the Mid-Atlantic Ridge near 24 and 30 N. Phil.Trans.Roy.Soc.London A, v.268; 589-603. (98).
- Mogi,K., 1958. Relations between the eruptions of various volcanoes and the deformations of the ground surfaces around them. Bull.Earthq.Res.Institute, v.36; 99-134. (1128).
- Mogi,K., 1967. Earthquakes and fractures. Tectonophysics, v.5; 35-55. (229).
- Mohr,P., 1987. Structural style of continental rifting in Ethiopia: Reverse decollements. EOS, Trans.A.G.U., v.68; 721-730. (1728).
- Mohr,P., 1987. Patterns of faulting in the Ethiopian rift valley. Tectonophysics, v.143; 169-179. (1799).
- Mohr,P.A., 1971. Ethopian Tertiary dike swarms. Smithsonian Astrophys. Obs., Spec.Rep.339, Cambridge, Mass.; 85 pp. (1129).
- Mohr,P.A., 1974. Rift Valleys. Encyclopedia Britannica, 15th edition, v.?: 841-846. (220).
- Mohr,P.A., 1974. ENE-trending lineaments of the African rift system (preprint). Center for Astrophysics, Preprint Series, No.144; 19 pp. (308).
- Mohr,P.A. and C.A.Wood, 1976. Volcano spacings and lithospheric attenuation in the eastern rift of Africa. Earth Planet.Sci.Letters, v.33; 126-144. (555).
- Moign,A. et J.-C.Bodéré, 1976. Chronique arctique. Norois, no.91, Juillet-Septembre; 479-503. (541).
- Moign,A. et J.-C.Bodéré, 1977. Chronique arctique. Norois, no.96, Oct.-Dec.1977; 621-656. (889).
- Möller,D., B.Ritter and K.Wendt, 1982. Geodetic measurement of horizontal deformations in Northeast Iceland. Earth Evolution Sciences, v.2; 149-154. (1190).
- Molnar,P., 1988. Continental tectonics in the aftermath of plate tectonics. Nature, v.335; 131-137. (1883).
- Mooney,W.D. and T.M.Brocher, 1987. Coincident seismic reflection/refraction studies of the continental lithosphere: A global review. Rev.Geophysics, v.25; 723-742. (1690).
- Moorbath,S. and G.P.L.Walker, 1965. Strontium isotope investigation of igneous rocks from Iceland. Nature, v.207; 837-840. (97).
- Moorbath,S., H.Sigurdsson and R.Goodwin, 1968. K-Ar ages of the oldest exposed rocks in Iceland. Earth Planet.Sci.Letters, v.4; 197-205. (96).
- Moorby,S.A., 1983. The geochemistry of transitional sediments recovered from the Galapagos Hydrothermal Mounds Field during DSDP Leg 70 - implications for mounds formation. Earth Planet.Sci.Letters, v.62; 367-376. (1273).
- Moore,J.G., 1964. Giant submarine landslides on the Hawaiian ridge. U.S.Geol.Survey Prof.Paper 501-D; D95-D98. (1130).

- Moore,J.G. and H.L.Krivoy, 1964. The 1962 flank eruption of Kilauea volcano and structure of the East Rift Zone. *J.Geophys.Research*, v.69; 2033-2045. (1906).
- Moore,J.G. and J.-G.Schilling, 1973. Vesicles, water, and sulfur in Reykjanes Ridge basalts. *Contr.Mineral. and Petrol.*, v.41; 105-118. (1115).
- Moore,J.G., H.S.Fleming and J.D.Phillips, 1974. Preliminary model for extrusion and rifting at the axis of the Mid-Atlantic Ridge, 36° 48' North. *Geology*, Sept.1974; 437-440. (1189).
- Morelli,C., 1976. Modern standards for gravity surveys. *Geophys.Prospecting*, v.24 (1); 198-199. (492).
- Moretti,I. and C.Froidevaux, 1986. Thermomechanical models of active rifting. *Tectonics*, v.5; 501-511. (1538).
- Morgan,J.P., E.M.Parmentier and J.Lin, 1987. Mechanisms for the origin of mid-ocean ridge axial topography: implications for the thermal and mechanical structure of accreting plate boundaries. *J.Geophys.Research*, v.92; 12823-12836. (1804).
- Morgan,W.J., 1965. Gravity anomalies and convection currents. *J.Geophys.Research*, v.70; 6175-6204. (135).
- Morgan,W.J., 1971. Convection plumes in the lower mantle. *Nature*, v.230; 42-43. (136).
- Morley,L.W., 1986. Early work leading to the explanation of the banded geomagnetic imprinting of the ocean floor. *EOS*, Sept.9,1986; 665-666. (1589).
- Mortlock,R.A. and P.N.Forelich, 1986. Hydrothermal germanium over the southern East Pacific Rise. *Science*,v.231; 43-45. (1492).
- Muecke,G.K., J.M.Ade-Hall, F.Aumento, A MacDonald, P.H.Reynolds, R.D.Hyndman, J.Quintino, N.Opdyke and W.Lowrie, 1974. Deep drilling in an active geothermal area in the Azores. *Nature*, v.252; 281-285. (134).
- Muehlenbachs,K., A.T.Anderson Jr. and G.E.Sigvaldason, 1974. Low O₁₈ basalts from Iceland. *Geochim.Cosmochim.Acta*, v.; . (1142).
- Muehlenbachs,K. and R.N.Clayton, 1971. Oxygen isotope ratios of submarine diorites and their constituent minerals. *Can.J.Earth Sciences*, v.8; 1591-1595. (1139).
- Muehlenbachs,K. and R.N.Clayton, 1972. Oxygen isotope studies of fresh and weathered submarine basalts. *Can.J.Earth Sciences*, v.9; 172-184. (1140).
- Muehlenbachs,K. and R.N.Clayton, 1972. Oxygen isotope geochemistry of submarine greenstones. *Can.J.Earth Sciences*, v.9; 471-478. (1141).
- Muehlenbachs,K. and R.N.Clayton, 1976. Oxygen isotope composition of the oceanic crust and its bearing on seawater. *J.Geophys.Research*, v.81; 4365-4369. ().
- Muffler,L.J.P., Geothermal resources. *U.S.Geol.Survey Prof.Paper* 820; 251-261. (61).
- Muffler,L.J.P. and D.E.White, 1972. Geothermal energy. *The Science Teacher*, v.39, No.3; 4 pp. (2011).

Muffler,L.J.P. and others, 1976. Geothermal investigations of the U.S.Geological Survey in Long Valley, California, 1972-73. J.Geophys.Research, v.81; 721-860 and 1527-1532. (601).

Muffler,L.J.P. and R.L.Christiansen, 1978. Geothermal resource assessment of the United States. Pageoph, v.177; 160-171. (1010).

Muffler,L.J.P., D.E.White and A.H.Truesdell, 1971. Hydrothermal explosion craters in Yellowstone National Park. Geol.Soc.Am.Bull., v.82; 723-740. (326).

Muravyeva,N.S., 1979. Estimation of crystallization temperatures of effusives: An analysis and application of geothermometers to the rhyolite-basalt association of Iceland (in Russian). Geokhimja, no. 12, 1979; 1796-1810. (1221).

Murthy,G.S., E.R.Deutsch and R.R.Pätzold, 1976. Inferences on the magnetic domain state of Leg 37 basalts. J.Geophys.Research, v.81; 4199-4206. (558).

Murthy,I.V.R. and P.R.Rao, 1984. Theoretical investigations on the correlation of gravity anomaly with elevation for the nature of isostatic compensation of elevated areas. Geophys.Res.Bull.,v.22; 143-158. (1615).

Mussett,A.E., J.G.Ross and I.L.Gibson, 1980. $^{40}\text{Ar}/^{39}\text{Ar}$ dates of eastern Iceland lavas. Geophys.J.R.astr.Soc., v.60; 37-52. (945).

Mutter,J.C., 1985. Seaward dipping reflectors and the continent-ocean boundary at passive continental margins. Tectonophysics, v.114; 117-131. (1754).

Mutter,J.C., G.A.Barth, P.Buhl, R.S.Detrick, J.Orcutt and A.Harding, 1988. Magma distribution across ridge-axis discontinuities on the East Pacific Rise from multichannel seismic images. Nature, v.336; 156-158. (1898).

Mutter,J.C., M.Talwani and P.L.Stoffa, 1982. Origin of seaward-dipping reflectors in oceanic crust off the Norwegian margin by "subaerial sea-floor spreading". Geology, v.10; 353-357. (1922).

Mutter,J.C.,M.Talwani and P.L.Stoffa., 1984. Evidence for a thick oceanic crust adjacent to the Norwegian margin.. J.Geophys.Research, v.89.; 483-502.. (1297).

Mwangi,M.N., 1982. Two-dimensional interpretation of Schlumberger soundings and head-on data with examples from Eyjafjordur,Iceland, and Olkaria,Kenya. UNU Geoth.Training Progr.,Rep.1982-9; 72 pp. (1575).

Nafe,J.E. and C.L.Drake, 1969. Floor of the North-Atlantic - summary of geophysical data. North Atlantic - Geology and Continental Drift, Memoir 12, Am.Ass.Petr.Geol.,; 59-87. (137).

Nakamura,K., 1970. En echelon features of Icelandic ground fissures. Acta Naturalia Islandica, v.II, No.8; 15 pp. (138).

Nathan,S. (compiled by), 1976. Volcanic and geothermal geology of the central North Island, New Zealand. Excursion guide No.55A &56A, 25th International Geological Congress, Sidney, Aug.1976; 68 pp. (572).

Nathenson,M., 1974. Flashing flow in hot-water geothermal wells. Jour.Research U.S.Geol.Survey,v.2,No.6; 743-751. (1362).

- Natland,J.H. et al, 1979. Galapagos hydrothermal mounds: Stratigraphy and chemistry revealed by deep-sea drilling. *Science*, v.204; 613-616. (856).
- Needham,H.D. and J.Francheteau, 1974. Some characteristics og the rift valley in the Atlantic Ocean near 36° 48' north. *Earth Planet.Sci.Letters*, v.22; 29-43. (738).
- Needham,H.D., P.Choukroune, J.L.Cheminee, X.LePichon, J.Francheteau and P.Tappognier, 1976. The accreting plate boundary: Ardoukôba Rift (Northeast Africa) and the oceanic rift valley. *Earth Planet.Sci.Letters*, v.28; 439-453. (737).
- Nelson,K.D., 1981. A simple thermal-mechanical model for mid-ocean ridge topographic variation. *Geophys.J.R.astr.Soc.*, v.65; 19-30. (1048).
- Ness,G., S.Levi and R.Couch, 1980. Marine magnetic anomaly timescales for the Cenozoic and Late Cretaceous: A précis, critique, and synthesis. *Rev.Geophys.Space Physics*, v.18; 753-770. (868).
- Neugebauer,H.J., 1970. Application of electric network theory in seismometry. *Observatoire Royal de Belgique, Koninklijke Sterrenwacht van Belgie, Communication, Série A-No 13, Série Géophysique No 101, XIIe Ass.Général de la Commission Séismologique Européenne, Luxembourg, 21-29 Septembre 1970; 224-238.* (260).
- Neugebauer,H.J. and G.Breitmayer, 1975. Dominant creep mechanism and the descending lithosphere. *Geophys.J.R.astr.Soc.*, v.43; 873-895. (511).
- Newmark,R.L., M.D.Zoback and R.N.Anderson, 1984. Orientation of in situ stresses in the oceanic crust. *Nature*, v.311; 424-428. (1788).
- Nicolas,A., F.Boudier and G.Ceuleneer, 1988. Mantle flow patterns and magma chambers at ocean ridges: Evidence from the Oman Ophiolite. *Mar.Geophys.Researches*, v.9; 293-310. (1978).
- Nielsen,N., 1929. Islands Tektonik og Wegener-Theorien. Report of the 18. Scandinavian Naturalist Congress in Copenhagen, 26.-31. Aug.1929; . (802).
- Nielsen,N., 1930. Tektonik und Vulkanismus Islands unter Berücksichtigung der WEGENER-Hypothese. *Geol.Rundschau*, v.21; 347-349. (832).
- Nielsen,N., 1933. Contributions to the physiography of Iceland, with particular reference to the highlands west of Vatnajökull. *D.Kgl.Danske Vidensk.Selsk.Skrifter, Naturv. og Matemat.Afd., Række IV.5; 105 pp +32 pl + 9 maps.* (504).
- Nielsen,P.H., 1976. Seismic refraction measurements around the Faeroe Islands. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.24; 9-45. (583).
- Nielsen,P.H., 1977. A marine geophysical project. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.25; 95-100. (659).
- Nielsen,P.H., R.Waagstein, J.Rasmussen and B.Larsen, 1979. Marine seismic investigation of the shelf around the Faeroe Islands. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.27; 102-112. (870).
- Nielsen,P.H., R.Waagstein, J.Rasmussen and B.Larsen, 1979. Marine seismic investigation of the shelf around the Faeroe Islands. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.27; 102-112. (876).

Nielsen,P.H., R.Waagstein, J.Rasmussen and B.Larsen, 1979. Marine seismic investigation of the shelf around the Faeroe Islands. Fróðskaparrit (Annal.societ.scient.Færoensis), v.27; 102-112. (1859).

Nielsen,P.H., R.Waagstein, J.Rasmussen and B.Larsen, 1981. Marine seismic investigation of the shelf around the Faroe Islands. D.G.U. árbog 1981; 101-109. (1192).

Nielsen,P.H.,V.Stefánsson and H.Tulinius, 1984. Geophysical logs from Lopra-1 and Vestmanna-1. Ann.Societ.Sci.Færoensis, Suppl.IX; 115-135. (1353).

Nielsen,S.B. and N.Balling, 1984. Accuracy and resolution in continuous temperature logging. Tectonophysics,v.103; 1-10. (1352).

Nielsen,T.F.D., 1975. Possible mechanism of continental breakup in the North Atlantic. Nature, v.253; 182-184. (32).

Nilsen,T.H., 1973. Devonian (Old Red Sandstone) sedimentation and tectonics of Norway. Arctic Geology, Mem. No. 19, Am.Ass.Petr.Geol.; 471-481. (1134).

Nilsen,T.H. and S.Saxov, 1982. The structure and development of the Greenland-Scotland Ridge. Episodes, v.(1982); 3-8. (2037).

Nisbet,E.G. and C.M.R.Fowler, 1978. The Mid-Atlantic Ridge at 37 and 45 N: some geophysical and petrological constraints. Geophys.J.R.astr.Soc., v.54; 631-660. (799).

Noe-Nygaard., 1976. Et forsøg,som slog fejl.. Dansk Geol.Forening,Årsskrift for 1975.; 1-4.. (1314).

Noe-Nygaard,A., 1962. The geology of the Faroes. Quart.J.Geol.Soc.London, v.118; 375-383. (1132).

Noe-Nygaard, A., 1979. Geologi. Københavns Universitet 1479-1979, Bind XIII; 261-375. (1461).

Noe-Nygaard, A., 1983. Niels Nielsen. I: Oversigt over Det Kgl. Danske Videnskabernes Selskabs Virksomhed 1982-1983; 152-160. (1315).

Noe-Nygaard,A., 1984. Sigurdur Thorarinsson. Dansk Geol. Forening, Arsskrift for 1983.; 103-105.. (1316).

Noe-Nygaard,A., 1988. Dansk-íslenskar náttúrurannsóknir á Íslandi á milli 1920 og 1940. Náttúrufræðingurinn, v.58; 121-144. ().

Noe-Nygaard,A. and A.K.Pedersen, 1974. Progressive chemical variation in a tholeiitic lava sequence at Kap Stosch, northern East Greenland. Bull.Geol.Soc.Denmark, v.23; 175-190. (392).

Noe-Nygaard,A. and J.Rasmussen, 1957. The making of the basalt plateau of the Faroes. XX Int.Geol.Congress, Sec.I - Vulcanologia del Cenozoico, Mexico City; 399-407. (1131).

Noe-Nygaard,A. and J.Rasmussen, 1968. Petrology of a 3,000 metre sequence of basaltic lavas in the Faeroe Islands. Lithos, v.1; 286-304. (1133).

Noe-Nygaard,A. and J.Rasmussen, 1982. Um dýpdarborringina í Vestmanna og í Lopra. Fróðskaparrit, v.30; 9-22. (1193).

- Norton,D. and J.Knight, 1977. Transport phenomena in hydrothermal systems: cooling plutons. Am.J.Sci., v.277; 937-981. (963).
- Norton,D. and R.Knapp, 1977. Transport phenomena in hydrothermal systems: the nature of porosity. Am.J.Sci., v.277; 913-936. (962).
- Nuti,S., 1984. Elementary and isotopic compositions of noble gases in geothermal fluids of Tuscany, Italy. Geothermics, v.13; 215-226. (1558).
- Nuti,S., P.Noto and G.C.Ferrara, 1980. The system H₂O-CO₂-CH₄-H₂ at Travale, Italy: Tentative interpretation. Geothermics, v.9; 287-295. (1060).
- O'Hara,M.J., 1973. Non-primary magmas and dubious mantle plume beneath Iceland. Nature, v.243; 507-508. (611).
- O'Hara,M.J., 1975. Is there an Icelandic mantle plume?. Nature, v.253; 708-710. (325).
- O'Nions,R.K. and K.Grönvold, 1973. Petrogenetic relationships of acid and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics. Earth Planet.Sci.Letters, v.19; 397-409. (139).
- O'Nions,R.K. and R.J.Pankhurst, 1973. Secular variation in the Sr-isotope composition of Icelandic volcanic rocks. Earth Planet.Sci.Letters, v.21; 13-21. (1121).
- O'Nions,R.K. and R.J.Pankhurst, 1976. Sr isotope and rare earth element geochemistry of DSDP Leg 37 basalts. Earth Planet.Sci.Letters, v.31; 255-261. (1246).
- O'Nions,R.K., R.J.Pankhurst, I.B.Fridleifsson and S.P.Jakobsson, 1973. Strontium isotopes and rare earth elements in basalts from the Heimaey and Surtsey volcanic eruptions. Nature, v.243; 213-214. (66).
- Ohkawara,H., 1986. Geothermal power round the world. Modern Power Systems,v.6, Issue 5; 23-25. (1547).
- Okun, L.B., 1989. The concept of mass. Physics Today, v.42; 31-36. (2070).
- Ólafsson,J. and J.P.Riley, 1978. Geochemical studies on the thermal brine from Reykjanes (Iceland). Chem.Geol., v.21; 219-237. (1236).
- Ólafsson,M., P.Imsland og G.Larsen, 1984. Nornahár II.Efni,eiginleikar og myndun. Náttúrufræðingurinn,v.53; 135-144. (1387).
- Oldenburg,D.W., 1975. A physical model for the creation of the lithosphere. Geophys.J.R.astr.Soc., v.43; 425-451. (455).
- Oliver,J., L.Sykes and B.Isacks, 1969. Seismology and the new global tectonics. Tectonophysics, v.7; 527-541. (225).
- Olson,W.S., 1974. Structural history and oil potential of offshore area from Cape Hatteras to Bahamas. Am.Ass.Petr.Geol.Bull., v.58; 1191-1200. (388).
- Opheim,J.A. and A.Gudmundsson, 1989. Formation and geometry of fractures, and related volcanism, of the Krafla fissure swarm, northeast Iceland. Geol.Soc.Am.Bull., v.101; 1608-1622. (2118).
- Orcott,J., 1981. Geology of the deep-sea vents. New Scientist, v.: 743-747. (1259).

Orcutt,J., B.Kennett, L.Dorman and W.Prothero, 1975. A low velocity zone underlying a fast-spreading rise crest. *Nature*, v.256; 475-476. (403).

Oskarsson,N., 1984. Monitoring of fumarole discharge during the 1975-1982 rifting in Krafla volcanic center, north Iceland. *J.Volcanol.Geotherm.Res.*, v.22; 97-121. (1337).

Oskarsson,N.,S.Steinþorsson and G.E.Sigvaldason, 1985. Iceland geochemical anomaly: Origin, volcanotectonics, chemical fractionation and isotope evolution of the crust. *J.Geophys.Research*, v.90; 10011-10025. (1443).

Osmaston,M.F., 1971. Genesis of ocean ridge median valleys and continental rift valleys. *Tectonophysics*, v.11; 387-405. (739).

Oxburgh,E.R. and D.L.Turcotte, 1969. Increased estimate for heat flow at oceanic ridges. *Nature*, v.223; 354-355. (602).

Oxburgh,E.R. and R.K.O'Nions, 1987. Helium loss, tectonics, and the terrestrial heat budget. *Science*, v.237; 1583-1588. (1742).

Padovani,E.R. and J.L.Carter, 1977. Aspects of the deep crustal evolution beneath south central New Mexico. In: *The Earth's Crust: Its History and Physical Properties* (ed. J.G.Heacock), *Geophys.Monogr.Ser.*, 20, AGU, Washington, D.C.; 19-55. (702).

Pálmason, G., 1962. Hiti í borholum á Íslandi. *Náttúrufræðingurinn*, v.32; 102-112. (1655).

Pálmason,G., 1963. Seismic refraction investigation of the basalt lavas in northern and eastern Iceland. *Jökull*, v.13; 40-60. (140).

Pálmason,G., 1965. Seismic refraction measurements of the basalt lavas of the Faeroe Islands. *Tectonophysics*, v.2; 475-482. (141).

Pálmason,G., 1967. On heat flow in Iceland in relation to the Mid-Atlantic Ridge. In: *Iceland and Mid-Ocean Ridges* (ed. S.Björnsson), *Soc.Sci.Icelandica, Rit 38*; 111-127. (358).

Pálmason,G., 1967. Upper crustal structure in Iceland. In: *Iceland and Mid-Ocean Ridges* (ed. S.Björnsson), *Soc.Sci.Icelandica, Rit 38*; 67-78. () .

Pálmason,G., 1971. Crustal Structure of Iceland from Explosion Seismology. *Soc.Sci.Icelandica, Publ.40*; 187 pp. () .

Pálmason,G., 1973. Comments on "Origin and structure of the Iceland Plateau and Kolbeinsey ridge" by G.L.Johnson, J.R.Southall, P.W.Young and P.R.Vogt. *J.Geophys.Research*, v.78; 7019. (52).

Pálmason,G., 1973. Kinematics and heat flow in a volcanic rift zone, with application to Iceland. *Geophys.J.R.astr.Soc.*, v.33; 451-481. (917).

Pálmason,G., 1974. Heat flow and hydrothermal activity in Iceland. In: *Geodynamics of Iceland and the North Atlantic Area* (ed. L.Kristjánsson), D.Reidel Publishing Co.; 297-306. (10).

Pálmason,G., 1974. Insular margins of Iceland. In: *The Geology of Continental Margins* (ed. C.A.Burk and C.L.Drake), Springer-Verlag; 375-379. (51).

Pálmason,G., 1975. Geophysical methods in geothermal exploration. Second United Nations Symposium on the Development and Use of Geothermal Resources, May 20-29, 1975; . (395).

Pálmason,G., 1977. Modelnie raschetti generatsii kori teplovogo sostojanija i pereplavlenija v sredinno-okeanicheskikh khrebtakh (abstract). In: Osnovnie problemi riftogenesa (ed. N.A.Logatchev), Akad.Nauk SSSR, Novosibirsk; 18-19. (681).

Pálmason,G., 1980. A continuum model of crustal generation in Iceland; Kinematic aspects. J.Geophysics, v.47; 7-18. (874).

Pálmason,G., 1981. Crustal rifting, and related thermo-mechanical processes in the lithosphere beneath Iceland. Geol.Rundschau, v.70; 244-260. (1004).

Pálmason,G., 1986. Model of crustal formation in Iceland and application to submarine mid-ocean ridges. In: Vogt,P.R.and B.E.Tucholke,eds.,The Geol.North America,vol.M; 87-97. (1612).

Pálmason,G. and J.Zoëga, 1970. Geothermal energy developments in Iceland 1960-1969. Geothermics, Spec.Issue 2, v.2; 73-76. (910).

Pálmason,G. and K.Saemundsson, 1974. Iceland in relation to the Mid-Atlantic Ridge. Ann.Rev.Earth Planet.Sci., v.2; 25-50. () .

Pálmason,G. and K.Saemundsson, 1979. Summary of conductive heat flow in Iceland. In: Terrestrial Heat Flow in Europe (ed. V.Cermák and L.Rybáček), Springer-Verlag; 218-220. () .

Pálmason,G., J.D.Friedman, R.S.Williams Jr., J.Jónsson and K.Saemundsson, 1970. Aerial infrared surveys of Reykjanes and Torfajökull thermal areas, with a section on cost of exploration surveys. Geothermics, Spec.Issue 2, v.2(1); 399-412. (15).

Pálmason,G., K.Ragnars and J.Zoëga, 1975. Geothermal energy developments in Iceland 1970-1974. Second United Nations Symposium on the Development and Use of Geothermal Resources, May 20-29, 1975; . (396).

Pálmason,G., S.Arnrísson, I.B.Fridleifsson, H.Kristmannsdóttir, K.Saemundsson, V.Stefánsson, B.Steingrímsson, J.Tómasson and L.Kristjánsson, 1979. The Iceland crust: Evidence from drillhole data on structure and processes. In: Deep Drilling Results in the Atlantic Ocean: Ocean Crust (ed. M.Talwani, C.G.Harrison and D.E.Hayes), Maurice Ewing Series 2, Am.Geophys.Union, Washington, D.C.; 43-65. (812).

Pálmason,G., T.H.Nilssen and G.Thorbergsson, 1973. Gravity base station network in Iceland 1968-1970. Jökull, v.23; 70-125. (872).

Pálmason,G., V.Stefánsson,S.Thórhallsson and T.Thorsteinsson, 1983. Geothermal field developments in Iceland. Proc.Ninth Workshop Geoth.Reservoir Engineering, Stanford, Calif.; . (1350).

Pandeli,E., M.Puxeddu, G.Gianelli, G.Bertini and P.Castellucci, 1988. Paleozoic sequences crossed by deep drillings in the Monte Amiata geothermal region (Italy). Boll.Soc.Geol.It., v.107; 593-606. (2140).

Pandeli,E., M.Puxeddu, M.Francheschelli and A.Minissale, 1988. Lower Tertiary age of metasediments in the Larderello geothermal region (northern Appennines, Italy). Boll.Soc.Geol.It., v.107; 437-444. (2138).

Paquet,J., P.Francois and A.Nedelec, 1981. Effect of partial melting on rock deformation: Experimental and natural evidences on rocks of granitic compositions. *Tectonophysics*, v.78; 545-565. (1959).

Parate,N.S., 1969. The brittle fracture of rocks. *Min.Magazine*, v.121; 135-141. (916).

Parker,R.L. and D.W.Oldenburg, 1973. Thermal model of ocean ridges. *Nature Phys.Sci.*, v.242; 137-139. (454).

Parmentier,E.M. and D.W.Forsyth, 1985. Three-dimensional flow beneath a slow spreading ridge axis: A dynamic contribution to the deepening of the median valley toward fracture zones. *J.Geophys.Research*, v.90; 678-684. (1380).

Parsons,B. and F.M.Richter, 1980. A relation between the driving force and geoid anomaly associated with mid-ocean ridges. *Earth Planet.Sci.Letters*, v.51; 445-450. (975).

Passerini,P., L.Zan, G.Gianelli and C.Troisi, 1988. Pre-oceanic tectonics in the Asal Rift. *Ophioliti*, v.13; 163-168. (2142).

Paterson,M.S., 1989. Why squeeze rocks?. *EOS*, v.70, No.17; 545. (2005).

Patriat,P. and J.Achache, 1984. India-Eurasia collision chronology has implications for crustal shortening and driving mechanism of plates. *Nature*,v.311; 615-621. (1417).

Patriat,P. and V.Courtillot, 1984. On the stability of triple junctions and its relation to episodicity in spreading. *Tectonics*, v.3; 317-332. (1407).

Patriat,Ph.,J.Segoufin,J.Goslin and P.Beuzart, 1985. Relative positions of Africa and Antarctica in the Upper Cretaceous: evidence for non-stationary behaviour of fracture zones. *Earth Planet.Sci.Letters*,v.75; 204-214. (1416).

Pavlenkova,N.I., 1973. Interpretation of refracted waves by the reduced travel time curve method. *Izv.,Earth Physics*,No.8, 1973; 89-100. (500).

Pavlenkova,N.I., 1982. The intercept-time method - possibilities and limitations. *J.Geophysics*, v.51; 85-95. (1232).

Pavlenkova,N.I. and P.Giese, . Methods of generalizing interpretation of DSS-data obtained by different field techniques. ; . (501).

Pavlenkova,N.I. and S.M.Zverev, 1981. Seismic model of Iceland's crust. *Geol.Rundschau*, v.70; 271-281. (1231).

Pearson,W.C. and C.R.B.Lister, 1979. The gravity signatures of isostatic, thermally expanded ridge crests. *Phys.Earth Planet.Interiors*, v.19; 73-84. (833).

Pecherskiy,D.M. and Ye.G.Mirlin, 1971. Magnetization of rocks and nature of magnetic anomalies in the rift zone of the Atlantic Ocean. *Izv.,Earth Physics*,No.5,1971; 43-56 (Engl.ed.,p.326-334). (223).

Peck, Dallas L., 1987. The role of the U. S. Geological Survey in meeting environmental issues. *Environ.Geol. Water Sci.*, v.10, No.2; 63-65. (1861).

Petersen,N., 1965. Beobachtung einiger mineralogischer und magnetischer Eigenschaften dreier Basaltproben nach unterschiedlicher thermischer Behandlung. Dissertation, Ludwig-Maximilians-Universität, München; 114 pp. (1106).

- Petruske,A.K., D.S.Hodge and R.Shaw, 1978. Mechanics of emplacement of basic intrusions. *Tectonophysics*, v.46; 41-63. (763).
- Petrin,G.I., R.I.Yurchak and G.F.Tkach, 1971. Temperature conductivity of basalts at temperatures from 300 to 1200 K. *Izv.,Earth Physics*, No.2, 1971; 65-68. (2012).
- Phillips,W.J., 1975. Discussion of the stress control of the formation of inclined sheets. *Jl geol.Soc.Lond.*, v.131; 533-535. (428).
- Pick,M., J.Picha and V.Vyskocil, 1973. Theory of the Earth's Gravity Field. Elsevier Scientific Publ. Co.; 538 pp. () .
- Piper,J.D.A., 1971. Ground magnetic studies of crustal growth in Iceland. *Earth Planet.Sci.Letters*, v.12; 199-207. (165).
- Piper,J.D.A., 1973. Interpretation of some magnetic anomalies over Iceland. *Tectonophysics*, v.16; 163-187. (164).
- Piper,J.D.A., 1973. Fine structure of en echelon ridge axes and crustal deformation at constructive plate boundaries. *Geol.Soc.Am.Bull.*, v.84; 931-938. (609).
- Piper,J.D.A., 1979. Outline volcanic history of the region west of Vatnajökull, Central Iceland. *J.Volcanol.Geoth.Research*, v.5; 87-98. (835).
- Piper,J.D.A. and I.L.Gibson, 1972. Stress control of processes at extensional plate margins. *Nature Phys.Sci.*, v.238; 83-86. (123).
- Piper,L.D.A., M.G.Fowler and I.L.Gibson, 1977. Dyke magnetization, magnetostratigraphy and upper crustal structure in the Reydarfjordur area of eastern Iceland. *Tectonophysics*, v.40; 227-244. (642).
- Pitman,W.C., 1969. Sea floor spreading. *Science Journal*, v.5; 51-56. (224).
- Poirier,J.P., 1987. On Poisson's ratio and composition of the Earth's lower mantle. *Phys.Earth Planet.Interiors*, v.46; 357-368. (1781).
- Pollack,H.N., 1980. On the use of the volumetric thermal expansion coefficient in models of ocean floor topography. *Tectonophysics*, v.64; T45-T47. (937).
- Pollard,D.D. and P.C.Wallmann (and reply by A.Gudmundsson), 1987. Comment and reply on "Possible effect of aspect ratios of magma chambers on eruption frequency". *Geology*, Sept.1987; 877-879. (1724).
- Polyak,B.G. and I.N.Tolatikhin, 1983. Geotectonics, heat flux and helium isotopes: Triple relationship. Preprint; 52 pp. (2050).
- Polyak,B.G., V.I.Kononov and M.D.Khutorskoy, 1984. *Teplovoy potok i stroenie litosferij islandii v svete novikh dannikh* (in Russian). *Geotektonika* (1984); 111-119. (1436).
- Polyak,B.G., Y.B.Smirnov, V.N.Merkurtchev, V.I.Paduchikh and L.V.Podgornikh, 1978. *Novie dannie o teplovom potoke v raione khrebeta Kolbeinsey*. *Dokl.Akad.Nauk USSR*, v.243; 175-178. (790).
- Polyakov,A.I. and N.S.Muravyeva, 1981. Differentiated rhyolite-basalt series of Iceland and origin of acid effusives model of fractional crystallization (in Russian). *Geokhimja*, No.9, 1981; 1362-1379. (1222).

Poreda,R.,J.-G.Schilling and H.Craig, 1986. Helium and hydrogen isotopes in ocean-ridge basalts north and south of Iceland. *Earth Planet.Sci.Letters*,v.78; 1-17. (1631).

Presnall,D.C., 1969. The geometrical analysis of partial fusion. *Am.J.Sci.*, v.267; 1178-1194. (405).

Prestvik,T., 1980. Petrology of hybrid intermediate and silicic rocks from Öræfajökull, southeast Iceland. *Geol.För.Stockholms Förhandl.*, v.101; 299-307. (1012).

Prol-Ledesma, R.M. and G.Juarez M., 1986. Geothermal map of Mexico. *J.Volcanol.Geoth.Research*, v.28; 351-362. (1542).

Pruess,K. and T.N.Narasimhan, 1985. A practical method for modeling fluid and heat flow in fractured porous media. *Soc.Petr.Eng.Journal*,v.25; 14-26. (1614).

Pruess,K.,G.S.Bodvarsson,V.Stefansson and E.T.Eliasson, 1984. The Krafla geothermal field,Iceland. 4.History match and prediction of individual well performance. *Water Res.Research*,v.20; 1561-1584. (1349).

Pursey,H., 1956. The power radiated by an electromechanical wave source. *Phys.Soc.(London) Proc.B*, v.69; 139-144. (915).

Puxeddu,M., 1984. Structure and Late Cenozoic evolution of the upper lithosphere in Southwest Tuscany (Italy). *Tectonophysics*,v.101; 357-382. (1555).

Puxeddu,M.,F.Saupé,R.Déchomets,G.Gianelli and B.Moine, 1984. Geochemistry and stratigraphic correlations - Application to the investigation of geothermal and mineral resources of Tuscany, Italy. *Chem.Geology*,v.43; 77-113. (1561).

Puxeddu,M., G.Raggi and M.Tongiorgi, 1979. Descrizione di alcuni sondaggi e osservazioni geologiche nel paleozoico della zona di Monticiano (Siena). *Mem.Soc.Geol.It.*, v.20; 233-242. (1061).

Rabinowitz,P.D.,L.Garrison,S.Herrig,R.B.Kidd,A.R.McLellan,W.J.Merrell, R.Merrill,A.W.Meyer and R.Olivas, 1985. Scientific ocean drilling: An overview of the ocean drilling program. *Proc.17th Annual Offshore Technol.Conf.,Houston,Texas,May 6-9,1985*; 279-286. (1379).

Rakotoarimanga,R., R.Celati, L.Taffi, P.Squarci and C.Calore, 1987. Surface heat flow and deep temperatures in the Bradano Trough (southern Italy). Possible effects of groundwater circulation. *Geothermics*, v.16; 473-485. (2135).

Ramana,Y. V., M.V.M.S.Rao and B.S.Gogte, 1975. Pressure dependence of elastic wave characteristics of ultramafic rocks of India. *J.Geophys.*, v.41; 523-533. (1966).

Ramanathan,V., B.R.Barkstrom and E.F.Harrison, 1989. Climate and the earth's radiation budget. *Physics Today*, v.42,No.5; 22-32. (2049).

Ramberg,I.B., 1976. Gravity Interpretation of the Oslo Graben and Associated Igneous Rocks. *Norges geol. Unders.*, v.325; 1-194. (570).

Ramberg,I.B. and T.H.van Andel, 1977. Morphology and tectonic evolution of the rift valley at lat 36 30 N, Mid-Atlantic Ridge. *Geol.Soc.Am.Bull.*, v.88; 577-586. (1183).

Ramberg,I.B., D.F.Gray and R.G.H.Raynolds, 1977. Tectonic evolution of the FAMOUS area of the Mid-Atlantic Ridge, lat 35 50 to 37 20 N. *Geol.Soc.Am.Bull.*, v.88; 609-620. (1184).

- Rana,R., R.N.Horne and P.Cheng, 1979. Natural convection in a multilayered geothermal reservoir. *J.Heat Transfer*, v.101; 411-416. (966).
- Rasmussen,J., 1952. Bidrag til forståelse af den færøske lagseries opbygning. *Medd.Dansk Geol.Forening*, v.12, H.2; 275-283. (1888).
- Rasmussen,J., 1955. Nøkur orð um gjáir í Føroyum - uppruna teirra og aldur. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.4; 108-124. (2009).
- Rasmussen,J., 1957. Yvirlit yvir inniskotin grótsløg í Føroyum. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.6; 61-96. (2010).
- Rasmussen,J., 1963. Recent studies in the geology of the Faeroes. In: North Atlantic Biota and their History, ed. A.Löve and D.Löve. Pergamon Press; 29-44. (1887).
- Rasmussen,J., 1972. Mórena á Borðoyarvík, sum bendir á eitt millumbil í glersetingini har norðuri. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.20; 54-70. (1890).
- Rasmussen,J., 1972. Hugskot um áir sum renna undir heilum. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.20; 89-98. (1891).
- Rasmussen,J., 1974. Botnkort sum ískoyti til greinina "Fyribils frásøgn um botnkanningar á sjóðkinum utan um Føroyar". *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.22; 141-143. (472).
- Rasmussen,J., 1977. Framløga av botnkorti út á 200 m dýpi. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.25; 194-195. (699).
- Rasmussen,J., 1978. Schematic 3-D model of a dyke in the Faeroese basalt plateau. *Bull.Geol.Soc.Denmark*, v.27; 79-84. (748).
- Rasmussen,J., 1982. The Faeroe Islands: geology. In: *Monographie Biologicae*, v.46 (ed.: G.K.Rutherford), Dr.W.Junk Publishers, The Hague; 15-34. (1191).
- Rasmussen,J. and B.E.Koch, 1963. Fossil metasequoia from Mikines, Faroe Islands. *Fróðskaparrit (Annal.societ.scient.Færoensis)*, v.12; 83-96. (1889).
- Rau, G.H., 1981. Hydrothermal vent clam and tube worm $^{13}\text{C}/^{12}\text{C}$: Further evidence of nonphotosynthetic food sources. *Science*, v. 213; 338-340. (2122).
- Reeves,C.V. and I.N.MacLeod, 1986. A standard structure for geophysical data files on popular microcomputers. *First Break*, v.4; 9-17. (1774).
- Reid,I. and H.R.Jackson, 1981. Oceanic spreading rate and crustal thickness. *Mar.Geophys.Researches*, v.5; 165-172. (1092).
- Reid,I., J.A.Orcutt and W.A.Prothero, 1977. Seismic evidence for a narrow zone of partial melting underlying the East Pacific Rise at 21 N. *Geol.Soc.Am.Bull.*, v.88; 678-682. (958).
- Reilly,W.I., 1972. New Zealand gravity map series. *N.Z.J.Geol.Geophysics*, v.15 (1); 3-15. (20).
- Reilly,W.I., 1972. Use of the international system of units (SI) in geophysical publications. *N.Z.J.Geol.Geophysics*, v.15; 148-156. (315).

Renard,V.,R.Hekinian,J.Francheteau,R.D.Ballard and H.Backer, 1985. Submersible observations at the axis of the ultra-fast-spreading East Pacific Rise (17 30' to 21 30' S). Earth Planet.Sci.Letters,v.75; 339-353. (1587).

Resendes,J.A., 1982. Geothermal resources developed in Azores. Mod.Power Syst., v.2; 57-59. (2018).

Reynolds,P.H. and F.Aumento, 1974. Deep Drill 1972. Potassium-Argon dating of the Bermuda drill core. Can.J.Earth Sci., v.11 (9); 1269-1273. (34).

Ribando,R.J. and K.E.Torrance, 1976. Natural convection in a porous medium: effects of confinement, variable permeability, and thermal boundary conditions. J.Heat Transfer, v.; 1-7. (879).

Ribando,R.J., K.E.Torrance and D.L.Turcotte, 1976. Numerical models for hydrothermal circulation in the oceanic crust. J.Geophys.Research, v.81; 3007-3012. (701).

Ribe,N.M., 1988. On the dynamics of mid-ocean ridges. J.Geophys.Research, v.93; 429-436. (1821).

Richards,A.F., 1958. Transpacific distribution of floating pumice from Isla San Benedicto, Mexico. Deep-Sea Research, v.5; 29-35. (1848).

Richards,P.G., 1972. Seismic waves reflected from velocity anomalies within the Earth's upper mantle. Zeit.f.Geophysik, v.38; 517-527. (245).

Richardson,C., P.J.Oakley and J.R.Cann, 1984. Trace and major element geochemistry of basalts from Leg 81. Init.Repts.DSDP.(ed. D.G.Roberts et al), v.81; 795-806. (1686).

Richardson,S.W. and A.A.L.White, 1980. How to use geothermal energy. Nature, v.286; 103-104. (905).

Richter,F.M., 1977. On the driving force of plate tectonics. Tectonophysics, v.38; 61-88. (585).

Ridenour,R., 1982. Iceland energy is smogless. Geoth.Energy, v.10; 25. (2021).

Rischmuller,H. and C.Chur, 1987. German continental deep drilling program (KTB). Technical concept and state of planning. Oil Gas - Europ.Magaz., 1/87; 8-11. (1739).

Rist,S., 1979. Water level fluctuations and ice cover of Lake Mývatn. Oikos, v.32; 67-81. (853).

Rist,S., 1979. The hydrology of River Laxá. Oikos, v.32; 271-280. (854).

Rist,Sigurjón, tileinkað, 1987. Vatnið og landið, ágrip erinda. Vatnafræðiráðstefna tveggja afmæla; 114 bls. (2076).

Ritter,B., 1982. Untersuchungen geodätischer Netze in Island zur Analyse von Deformationen von 1965 bis 1977. Dissertation, Tech.Univ.Braunschweig. Deutsche Geodät. Kommission, Reihe C, Heft Nr.271. München; 194 pp. (1207).

Ritter,B., 1982. Untersuchungen geodätischer Netze in Island zur Analyse von Deformationen von 1965 bis 1977. Deutsche Geodätische Kommission, Reihe C, Heft Nr.271, München; 194 pp. (1895).

- Ritzert,M. and W.R.Jacoby, 1985. On the lithospheric seismic structure of Reykjanes Ridge at 62.5 N. J.Geophys.Research, v.90; 10117-10128. (1450).
- Roberts,B., 1939. The Cambridge expedition to Vatnajökull, 1932. Iceland Papers, vol I. Scientific results of Cambridge expeditions to Iceland, 1932-38. Oxford Univ. Press, 1939; 289-313. (1857).
- Roberts,D.G. and A.Ginzburg, 1984. Deep crustal structure of south-west Rockall Plateau. Nature, v.308; 435-439. (1787).
- Roberts,D.G. et al., 1981. Leg 81, Rockall Plateau. Joides Journal, v.VII, No.3; 21-33. (1195).
- Robertson,E.I. and G.B.Dawson, 1964. Geothermal heat flow through the soil at Wairakei. N.Z.J.Geol.Geophys., v.7; 134-143. (1856).
- Robinson,N.M., 1975. Shallow crustal structure offshore of the neovolcanic zone in northern Iceland. M.S.Thesis, Univ. of Georgia, Athens, Georgia, U.S.A.; 54 pp. (836).
- Robinson,R. and W.J.Arabasz, 1975. Microearthquakes in the north-west Nelson region, New Zealand. N.Z.J.Geol.Geophysics, v.18; 83-91. (1948).
- Robson,D. and J.R.Cann, 1982. A geochemical model of mid-ocean ridge magma chambers. Earth Planet.Sci.Letters, v.60; 93-104. (2026).
- Röder,R.H. and W.Torge, 1986. Improved relative gravimetric techniques for detecting recent crustal movements in northern Iceland. Presented, 12th meeting Int.Gravity Commission,Toulouse,Sept.1986; 11 pp. (1632).
- Roest,W., 1987. Seafloor spreading pattern of the North Atlantic between 10 and 40 N. Med.Inst.Aardwetenschappen d.Rijksuniversiteit te Utrecht, No.48; 121 pp. (1691).
- Roest,W.R. and B.J.Collette, 1986. The Fifteen Twenty Fracture Zone and the North American-South American plate boundary. J.Geol.Soc.London, v.143; 833-843. (1694).
- Rona,P.A., 1973. Plate tectonics and mineral resources. Sci. American, v.229; 86-95. (523).
- Rona,P.A., 1976. Pattern of hydrothermal mineral deposition: Mid-Atlantic Ridge crest at latitude 26 N. Marine Geol., v.21; M59-M66. (527).
- Rona,P.A., 1977. Plate tectonics, energy and mineral resources: Basic research leading to payoff. EOS, v.58; 629-639. (1033).
- Rona,P.A., 1978. Criteria for recognition of hydrothermal mineral deposits in oceanic crust. Economic Geol., v.73; 135-160. (1029).
- Rona,P.A., 1978. Near bottom water temperature anomalies: Mid-Atlantic Ridge crest at latitude 26 N. Geophys.Research Letters, v.5; 993-996. (1031).
- Rona,P.A., 1978. Magnetic signatures of hydrothermal alteration and volcanogenic deposits in oceanic crust. J.Volcanol.Geoth.Research, v.3; 219-225. (1032).
- Rona,P.A. and G.F.Merrill, 1978. A benthic invertibrate from the Mid-Atlantic Ridge. Bull.Marine Sci., v.28; 371-375. (1030).

Rona,P.A., B.A.McGregor, P.R.Betzer, G.W.Bolger and D.C.Krause, 1975. Anomalous water temperatures over Mid-Atlantic Ridge crest at 26° North latitude. Deep-Sea Research, v.22; 611-618. (526).

Rona,P.A.,G.Klinkhammer,T.A.Nelsen,J.H.Trefry and H.Elderfield, 1986. Black smokers, massive sulphides and vent biota at the Mid-Atlantic Ridge. Nature,v.321; 33-37. (1576).

Rona,P.A.,G.Thompson,M.J.Mottl,J.A.Karson,W.J.Jenkins,D.Graham, M.Mallette,K.von Damm, and J.M.Edmond, 1984. Hydrothermal activity at the Trans-Atlantic Geotraverse Hydrothermal Field, Mid-Atlantic Ridge crest at 26°N. J.Geophys.Research, v.89; 11.365-11.377. (1351).

Rona,P.A., R.N.Harbison, B.G.Bassinger, R.B.Scott and A.J.Nalwalk, 1976. Tectonic fabric and hydrothermal activity of Mid-Atlantic Ridge crest (lat. 26° N). Geol.Soc.Am.Bull., v.87; 661-674. (525).

Rona,P. et al., 1988. Hydrothermal activity on the Gorda Ridge. EOS, Nov.22 1988; 1588. (1897).

Rood, R.B., 1987. Numerical advection algorithms and their role in atmospheric transport and chemistry models. Rev.Geophysics, v.25; 71-100. (1668).

Rosenberg,N.D., J.E.Lupton, D.Kadko, R.Coller, M.D.Lilley and H.Pak, 1988. Estimation of heat and chemical fluxes from a seafloor hydrothermal vent field using radon measurements. Nature, v.334; 604-607. (1876).

Ross,J.G. and A.E.Mussett, 1976. 40Ar/39Ar dates for spreading rates in eastern Iceland. Nature, v.259; 36-38. (623).

Rowe,E.C. and J.-G.Schilling, 1979. Fluorine in Iceland and Reykjanes Ridge basalts. Nature, v.279; 33-37. (821).

Ruddiman,W.F., 1972. Sediment redistribution on the Reykjanes Ridge: Seismic evidence. Geol.Soc.Am.Bull., v.83; 2039-2062. (451).

Ruddiman,W.F. and J.-C.Duplessy, 1985. Conference on the last deglaciation: Timing and mechanism. Quat.Research,v.23; 1-17. (1373).

Ruegg,J.C., 1975. Structure profonde de la croute et du manteau supérieur du Sud-Est de l'Afar d'après les données sismique. Ann.de Géophysique,v.31; 329-360. (1418).

Ruegg,J.-C. and J.-C.Lépine, 1983. A seismic gap along an accreting plate boundary: Example of the Djibouti ridge, Afar, East Africa. Geophys.Res.Letters, v.10; 381-384. (1421).

Ruegg,J.C.,J.C.Lépine,A.Tarantola and J.J.Léveque, 1981. The Somalian earthquake of May.1980,East Africa. Geophys.Res.Letters, v.8; 317-320. (1422).

Ruegg,J.C.,J.C.Lépine,A.Tarantola and M.Kasser, 1979. Geodetic measurements of rifting associated with a seismo-volcanic crisis in Afar. Geophys.Res.Letters, v.6; 817-820. (1419).

Ruegg,J.-C.,J.-C.Lépine and C.Vincent, 1980. Sismicité et microsismicité de la dorsale de Tadjoura,tectonique et frontiere de plaques. Bull.Soc.géol.France,v.22; 917-923. (1423).

- Ruegg,J.C.,M.Kasser and J.C.Lépine, 1984. Strain accumulation across the Asal-Ghoubbet rift,Djibouti,East Africa. *J.Geophys.Research*, v.89; 6237-6246. (1420).
- Ruegg,J.C., M.Kasser and J.C.Lépine, 1984. Strain accumulation across the Asal-Ghoubbet Rift, Djibouti, East Africa. *J.Geophys.Research*, v.89; 6237-6246. (2041).
- Rummel,F., 1969. Studies of time-dependent deformation of some granite and eclogite rock samples under uni-axial, constant compressive stress and temperatures up to 400 C. *Zeit.f.Geophysik*, v.35; 17-42. (1892).
- Rutten,M.G., 1964. Formation of a plateaubasalt series, (from the example of Iceland). *Bull.Volcanologique*, v.27; 93-111. (162).
- Rutten,M.G., 1971. Iceland and mid-ocean ridges. *Mar.Geophys.Researches*, v.1; 235-247. (161).
- Rutten,M.G., 1975. Two-dimensionality of magnetic anomalies over Iceland and Reykjanes Ridge. *Mar.Geophys.Researches*, v.2; 243-263. (185).
- Rutten,M.G. and H.Wensink, 1960. Structure of the central graben of Iceland. Rep. of the Int.Geol.Congr., XXI session, Part XVIII; 81-88. (163).
- Rutten,M.G., M.Valeton and T.van Grunsven, 1972. Measurement of the signal to noise ratio in seismic profiling. *Mar.Geophys.Researches*, v.1; 445-450. (184).
- Ryan, M.P., 1987. Neutral buoyancy and the mechanical evolution of magmatic systems. In:Magmatic Processes..(ed.B.O.Mysen).*Geoch.Soc.,Sp.Publ.No.1*,1987; 259-287. (1654).
- Ryan,M.P., 1987. Elasticity and contractancy of Hawaiian olivine tholeiite and its role in the stability and structural evolution of subcaldera magma res.a rift sys. In:Volcanism in Hawaii (ed.R.W.Decker et al),USGS Prof.Paper 1350; 1395-1447. (1656).
- Ryan,M.P., J.Y.K.Blevins, A.T.Okamura and R.Y.Koyanagi, 1983. Magma reservoir subsidence mechanics: Theoretical summary and application to Kilauea volcano, Hawaii. *J.Geophys.Research*, v.88; 4147-4181. (1217).
- Rykunov,L.N., V.V.Sedov, L.A.Savrina and V.Yu.Bourmin, 1972. Study of microearthquakes in the rift zones of East Africa. *Tectonophysics*, v.15; 123-130. ().
- Sacks,I.S., 1981. The generation of oceanic crust. Carnegie Institute, Ann.Rep.Dir.Dept. Terrestrial Magnetism, 1980-1981; 462-465. (1085).
- Saemundsson,K., 1070. Interglacial lava flows in the lowlands of southern Iceland and the problem of two-tiered columnar jointing. *Jökull*, v.20; 62-77. (350).
- Saemundsson,K., 1965. Aus der geologischen Geschichte des Þingvallavatn (in Icelandic with a German summary). *Náttúrufræðingurinn*, v.35; 103-144. (160).
- Saemundsson,K., 1966. Zwei neue C14-Datierungen isländischer Vulkanausbrüche. Eiszeitalter und Gegenwart, v.17; 85-86. (347).
- Saemundsson,K., 1967. Vulkanismus und Tektonik des Hengill-Gebietes in Südwest-Island. *Acta Nat.Islandica*, v.II, No.7; 105 pp. (159).
- Sæmundsson,K., 1970. Jarðhiti á Suðurlandsundirlendi og nýting hans. ; 101-160. (1158).

Sæmundsson,K., 1970. Volcanic phenomena in Iceland. 65° Icelandic Life, v.; 41-44. (2108).

Sæmundsson,K., 1971. Relation between geological structure of Iceland and some geophysical anomalies (abstract). First European Earth and Planetary Physics Colloquium, Reading, England; . (158).

Sæmundsson,K., 1972. Notes on the geology of the Torfajökull central volcano (in Icelandic with an English summary). Náttúrufræðingurinn, v.42; 81-99. (357).

Sæmundsson,K., 1974. Evolution of the axial rifting zone in northern Iceland and the Tjörnes fracture zone. Geol.Soc.Am.Bull., v.85; 495-504. (60).

Sæmundsson,K., 1978. Fissure swarms and central volcanoes of the neovolcanic zones of Iceland. In: Crustal evolution in northwestern Britain and adjacent regions (ed. D.R.Bowes and B.E.Leake), repr. from Geol.J. Spec.Issue No.10; 415-432. (696).

Sæmundsson,K., 1979. Outline of the geology of Iceland. Jökull, v.29; 7-28. (1274).

Sæmundsson,K., 1979. Outline of the geology of Iceland. Jökull, v.29; 7-28. (1500).

Sæmundsson,K., 1985. WEGS meeting. Guide to excursions in SW- and NE-Iceland. Gefið út af Orkustofnun; 34 pp. (1483).

Sæmundsson,K., 1986. Subaerial volcanism in the western North Atlantic. In:Vogt,P.R.andB.E.Tucholke,ed.,The Geol.North America,v.M, GSA; 69-86. (1625).

Sæmundsson,K. and H.Noll, 1974. K/Ar ages of rocks from Husafell, western Iceland, and the development of the Húsafell central volcano. Jökull, v.24; 40-59. (461).

Saito,T., M.Ewing and L.H.Burckle, 1966. Tertiary sediment from the Mid-Atlantic Ridge. Science, v.151; 1075-1079. (1122).

Salisbury,M.H. and N.I.Christensen, 1978. The seismic velocity structure of a traverse through the Bay of Islands ophiolite complex, Newfoundland, an exposure of oceanic crust and upper mantle. J.Geophys.Research, v.83; 805-817. (683).

Sammel,E.A., 1968. Convective flow and its effect on temperature logging in small-diameter wells. Geophysics, v.33; 1004-1012. (327).

Sanford,A.R., 1959. Analytical and experimental study of simple geologic structures. Geol.Soc.Am.Bull., v.70; 19-52. (216).

Sanyal,S.K.. 1988. Methods of analysis of economics and risk of geothermal development. G.R.C.Bull., v.17, No.6; 91-112. (1976).

Saracco,L. and F.D'Amore, 1989. CO2B: A computer program for applying a gas geothermometer to geothermal systems. Computers & Geosciences, v.15; 1053-1065. (2143).

Sass,J. and G.A.Barber, 1989. Continental drilling. Superdeep drilling and deep geophysical research.. EOS, v.70; 135-136. (1992).

Sato,T. and M.Matsu'ura, 1988. A kinematic model for deformation of the lithosphere at subduction zones. J.Geophys.Research, v.93; 6410-6418. (1842).

- Savage,J.C. and J.B.Walsh, 1978. Gravitational energy and faulting. Bull.Seism.Soc.Am., v.68; 1613-1622. (959).
- Sawkins,F.J., 1976. Metal deposits related to intracontinental hotspot and rifting environments. J.Geol., v.84; 653-671. (547).
- Saxov,S., 1969. Gravimetry in the Faroe Islands. Geodætisk Institut, Medd.No.43; 24 pp. (604).
- Saxov,S., 1970. Færöerne, geofysisk belyst. Dansk Geol.Forening, Årsskrift; 39-46. (1136).
- Saxov,S., 1971. Additional gravity observations in the Faroe Islands. Fróðskaparrit (Annal.societ. scient. Færoensis), v.19; 9-19. (1866).
- Saxov,S., 1977. Complementary gravity observations in the Faroe Islands. Fróðskaparrit (Annal.soc.scient.Færoensis), v.25; 66-83. (658).
- Saxov,S. and N.Abrahamsen, 1964. A note on some gravity and density measurements in the Faroe Islands. Boll.Geofis.Teor.Applicata, v.6; 249-262. (1135).
- Saxov,S. and N.Abrahamsen, 1966. Some geophysical investigations in the Faroe Islands. Zeit.f.Geophysik, v.32; 455-471. (157).
- Saxov,S. and P.Melchior, 1975. Earth tides. Fróðskaparrit (Annal.soc.scient.Færoensis), v.23; 32-47. (478).
- Saxov,S. and R.Spellauge, 1967. Gravity ties Denmark-The Faroes-Iceland. Boll.Geofis.Teor.Applicata, v.9; 66-84. ().
- Sbar,M.L. and L.R.Sykes, 1973. Contemporary compressive stress and seismicity in Eastern North America: An example of intra-plate tectonics. Geol.Soc.Am.Bull., v.84; 1861-1882. (311).
- Sbar,M.L. and T.Matumoto, 1972. Refraction profiles in the Valley of Ten Thousand Smokes, Katmai, Alaska. Bull.Volcanologique, v.35; 335-349. (485).
- Schäfer,K., 1972. Transform Faults in Island. Geol.Rundschau, v.61; 942-960. (156).
- Schäfer,K., 1975. Horizontal and vertical crustal movements in Iceland. Tectonophysics, v.29; 223-231. (474).
- Schäfer,K., 1979. In-situ strain relief measurements in Iceland (abstract). Tectonophysics, v.52; 118-119. (850).
- Schäfer,K., 1979. Recent thrusting in the Appalachians. Nature, v.280; 223-226. (859).
- Schäfer,K. and S.Keil, 1979. In situ Gesteinsspannungsermittlungen in Island. Messtech.Briefe, v.15; 35-46. (851).
- Schilling,J.-G., 1971. Sea-floor evolution: rare-earth evidence. Phil.Trans.Roy.Soc.Lond.A, v.268; 663-706. (1117).
- Schilling,J.-G., 1973. Iceland mantle plume: geochemical study of Reykjanes Ridge. Nature, v.242; 565-571. (155).
- Schilling,J.-G., 1973. Iceland mantle plume. Nature, v.246; 141-143. (1116).

Schilling,J.-G., 1973. Afar mantle plume: rare-earth evidence. *Nature Phys.Sci.*, v.242; 2-5. (1118).

Schilling,J.-G., 1975. Azores mantle blob: Rare-earth evidence. *Earth Planet.Sci.Letters*, v.25; 103-115. (440).

Schilling,J.-G., 1975. Rare-earth variations across 'normal segments' of the Reykjanes Ridge, 60-53 N, Mid-Atlantic Ridge, 29 S, and East Pacific Rise, 2-19 S, and evidence on the composition of the underlying low-velocity layer. *J.Geophys.Research*, v.80; 1459-1473. (442).

Schilling,J.-G., A.Noe-Nygaard, 1974. Faeroe-Iceland plume: rare-earth evidence. *Earth Planet.Sci.Letters*, v.24; 1-14. (9).

Schilling,J.-G. and E.Bonatti, 1975. East Pacific Ridge (2 S-19 S) versus Nazca intraplate volcanism: Rare earth evidence. *Earth Planet.Sci.Letters*, v.25; 93-102. (441).

Schilling,J.-G. and H.Sigurdsson, 1979. Thermal minima along the axis of the Mid-Atlantic Ridge. *Nature*, v.282; 370-375. (957).

Schilling,J.-G., H.Sigurdsson and R.H.Kingsley, 1978. Skagi and western neovolcanic zones in Iceland: 2. Geochemical variations. *J.Geophys.Research*, v.83; 3983-4002. (730).

Schilling,J.-G., M.Zajac, R.Evans, T.Johnston, W.White, J.D.Devine and R.Kingsley, 1983. Petrologic and geochemical variations along the Mid-Atlantic Ridge from 29 N to 73 N. *Am.J.Science*, v.283; 510-586. (1262).

Schilling,J.-G., P.S.Meyer and R.H.Kingsley, 1982. Evolution of the Iceland hotspot. *Nature*, v.296; 313-320. (1087).

Schleusener,A. and W.Torge, 1971. Investigations of secular gravity variations in Iceland. *Zeit.f.Geophysik*, v.37; 679-701. (31).

Schleusener,A., W.Torge and H.Drewes, 1974. Präzisionsschweremessungen in Nordostisland 1970/71. Beiträge zu den geodätischen und geophysikalischen Forschungsarbeiten in Island. Deutsche Geodätische Kommission, bei der Bayerischen Akademie der Wissenschaften. Reihe B: Angewandte Geodäsie. Heft Nr.206. München.; 25 pp. (6).

Schleusener,A., W.Torge and H.Drewes, 1976. The gravity field of northeastern Iceland. *J.Geophysics*, v.42; 27-45. (489).

Schmeling,H., 1985. Partial melt below Iceland: A combined interpretation of seismic and conductivity data. *J.Geophys.Research*, v.90; 10105-10116. (1449).

Schmeling,H. and W.R.Jacoby, 1981. On modelling the lithosphere in mantle convection with non-linear rheology. *Geophys.J.*, v.50; 89-100. (1095).

Schnetzler,C.C. and R.J.Allenby, 1983. Estimation of lower crust magnetization from satellite derived anomaly field. *Tectonophysics*, v.93; 33-45. (1268).

Scholz,C.H., 1972. Crustal movements in tectonic areas. In: E.F.Savarensky and T.Rikitake (Editors), *Forerunners of Strong Earthquakes*, *Tectonophysics*, v.14; 201-217. (594).

- Schönharting,G., 1069. Vermessung des erdmagnetischen Feldes längs einiger Profile in Nord-Island, deren Auswertung und Interpretation. Ph.D.Thesis. Ludwig-Maximilians-Universität, München; 138 pp. (508).
- Schor,G.G., H.W.Menard and R.W.Raitt, 1971. Structure of the Pacific basin. In: The Sea, (ed. A.E.Maxwell), v.4, part 2. Wiley-Interscience, New York; 3-27. (398).
- Schouten,H. and K.McCamy, 1972. Filtering marine magnetic anomalies. J.Geophys.Research, v.77; 7089-7099. (298).
- Schouten,H., H.J.B.Dick & K.D.Klitgord, 1987. Migration of mid-ocean-ridge volcanic segments. Nature, v.326; 835-839. (1718).
- Schouten,J.A., 1971. A fundamental analysis of magnetic anomalies over oceanic ridges. Mar.Geophys.Researches, v.1; 111-144. (284).
- Schrøder,N.F., 1971. Magnetic anomalies around the Faeroe Islands. Fróðskaparrit (Annal. societ. scient. Færoensis), v.19; 20-29. (1865).
- Schroeder,R.C.,M.J.O'Sullivan,K.Pruess,R.Celati and C.Ruffilli, 1982. Re-injection studies of vapor-dominated systems. Geothermics, v.11; 93-119. (1550).
- Schwarzbach,M. and H.Noll, 1971. Geologischer Routenführer durch Island. Sonderveröff.Geol.Inst.Univ.Köln, No.20. W.Stofffuss Verlag, Bonn; 105 pp. (509).
- Scientific party, Deep Sea Drilling Project Leg 37, 1975. Sources of magnetic anomalies on the Mid-Atlantic ridge. Nature, v.255; 389-390. (423).
- Scientific staff, Deep Sea Drilling Project, 1974. Leg 37 - the volcanic layer. Geotimes, v.19; 16-18. (337).
- Sclater,J.G. and J.Francheteau, 1970. The implications of terrestrial heat flow observations on current tectonic and geochemical models of the crust and upper mantle of the earth. Geophys.J.R.astr.Soc., v.20; 509-542. (18).
- Sclater,J.G., C.Jaupart and D.Galson, 1980. The heat flow through oceanic crust and continental crust and the heat loss of the earth. Rev.Geophys.Space Physics, v.18; 269-311. (934).
- Sclater,J.G., R.N.Anderson and M.L.Bell, 1971. Elevation of ridges and evolution of the central eastern Pacific. J.Geophys.Research, v.76; 7888-7915. (521).
- Scott,D.R. and D.J.Stevenson, 1989. A self-consistent model of melting, magma migration and buoyancy-driven circulation beneath mid-ocean ridges. J.Geophys.Research, v.94; 2973-2988. (2086).
- Scott,M.R., R.B.Scott, J.W.Morse, P.R.Betzer, L.W.Butler and P.A.Rona, 1978. Metal-enriched sediments from the TAG hydrothermal field. Nature, v.276; 811-813. (1035).
- Scott,M.R., R.B.Scott, P.A.Rona, L.W.Butler and A.J.Nalwalk, 1974. Rapidly accumulating manganese deposits from the median valley of the Mid-Atlantic Ridge. Geophys.Res.Letters, v.1; 355-358. (1034).
- Scrutton,R.A., 1970. Results of a seismic refraction experiment on Rockall Bank. Nature, v.227; 826-827. (1137).

Scrutton,R.A., 1972. The crustal structure of Rockall Plateau microcontinent. Geophys.J.R.astr.Soc., v.27; 259-275. (1609).

Searle,R.C. and A.S.Laughton, 1981. Fine-scale sonar study of tectonics and volcanism on the Reykjanes Ridge. Oceanol.Acta, Proc.27th Int.Geol.Congr.Paris; 5-13. (1008).

Seidler,E., 1979. Vergleichende Untersuchung von Riftzonen von Riftbeginn bis Ozeanstadium. Diplomarbeit, J.-W.-G. Universitat, Frankfurt am Main; 112 pp. (1772).

Sellevoll,M.A. and M.Mokhtari, 1985. The coast-fjord test-project 1985. A cruise report and some preliminary results from seismic experiments. Seismo-series No.6, Univ.Bergen,1985; 24 pp. (1522).

Sempere,J.-C., A.Meshkov, M.Thommeret and K.Macdonald, 1988. Magnetic properties of some young basalts from the East Pacific Rise. Mar.Geophys.Researches, v.9; 131-146. (1877).

Sempere,J.-C. and K.C.Macdonald, 1987. Marine tectonics: Processes at mid-ocean ridges. Rev.Geophysics, v.25; 1313-1347. (1727).

Serson,P.H., W.Hannaford and G.V.Haines, 1968. Magnetic anomalies over Iceland. Science, v.162; 355-357. ().

Service,K.G., 1973. Analytical and numerical models of oceanic rifts. Nature Phys.Sci., v.241; 33-35. (154).

Shankland,T.J., R.J.O'Connell and H.S.Waff, 1981. Geophysical constraints on partial melt in the upper mantle. Rev.Geophys.Space Phys., v.19; 394-406. (1040).

Shearer,P., 1987. Slow waves in young basalts. Nature, v.330; 312-313. (1759).

Shearer, P.M., 1988. Cracked media, Poisson's ratio and the structure of the upper oceanic crust. Geophysical Journal, v.92; 357-362. (1868).

Shelton, J.W., 1984. Listric normal faults: An illustrated summary. Am.Ass.Petr.Geol.Bull., v.68; 801-815. (1676).

Shen Xianjie, 1986. Geothermal resource assessment of the first high temperature geothermal field in China. Kexue Tongbao, v.31,No.11; 770-774. (1528).

Shen Xianjie and Wang Zirui, 1984. Geothermal reservoir model analysis of the Yangbajing geothermal field, Xizang (Tibet) Autonomous Region. Scientia Sinica (Series B), v.27, No.12; 1316-1329. (1529).

Sheridan.M.F., 1971. Guidebook to the Quaternary Geology of the East-Central Sierra Nevada. XVI Field Conference of the Rocky Mountain Section of the Friends of the Pleistocene, Oct. 9-10, 1971; . (427).

Shih,J.S.F., T.Atwater and M.McNutt, 1978. A near-bottom geophysical traverse of the Reykjanes Ridge. Earth Planet.Sci.Letters, v.39; 75-83. (720).

Sigbjarnarson,G., P.Theodorsson and B.Árnason, 1976. The use of environmental isotope techniques together with conventional methods in regional groundwater studies. Nordic Hydrol., v.7; 81-94. (726).

Siggeirsson,E.I. og J.Jónsson, 1973. Hveragerði, landlýsing, jarðmyndun og gróðurfar. Neðri Ás, skýrsla nr. 12; 60 bls. (2112).

- Sigurðsson,F., 1986. Hydrogeology and groundwater on the Reykjanes peninsula. Jökull, v.36; 11-29. (1805).
- Sigurðsson,F. and H.Torfason, 1989. Iceland. In: Mineral Deposits of Europe, v.4/5 Southwest and Eastern Europe, with Iceland; 421-431. (2085).
- Sigurðsson,F. and K.Einarsson, 1988. Groundwater resources of Iceland - availability and demand -. Jökull, v.38; 35-54. (1986).
- Sigurdsson,H., . Snæfellsnes, notes on geology and petrology. Unpublished notes; 17 pp. (153).
- Sigurdsson,H., 1966. Geology of the Setberg area, Snaefellsnes, western Iceland. Soc.Sci.Icelandica, Greinar IV,2; 53-125. ().
- Sigurdsson,H., 1967. The Icelandic basalt plateau and the question of sial. In: Iceland and Mid-Ocean Ridges (ed. Sv.Björnsson), Soc.Sci.Icelandica, Rit 38; 32-46. ().
- Sigurdsson,H., 1970. Structural origin and plate tectonics of the Snaefellsnes volcanic zone, western Iceland. Earth Planet.Sci.Letters, v.10; 129-135. (151).
- Sigurdsson,H., 1970. Origin of some Icelandic pitchstones. Discussion of a paper by I.L.Gibson. Lithos, v.3; 369-371. (355).
- Sigurdsson,H., 1970. The petrology and chemistry of the Setberg volcanic region and of the intermediate and acid rocks of Iceland. Ph.D. thesis, Durham University; 308 pp. ().
- Sigurdsson,H., 1977. Generation of Icelandic rhyolites by melting of plagiogranites in the oceanic layer. Nature, v.269, no.5623; 25-28. (682).
- Sigurdsson,H., 1981. First-order major element variation in basalt glasses from the Mid-Atlantic Ridge: 29°N to 73°N. J.Geophys.Research, v.86; 9483-9502. (1020).
- Sigurdsson,H., 1982. Volcanic pollution and climate: The 1783 Laki eruption. EOS, v.63; 601-602. (1218).
- Sigurdsson,H., 1987. Lethal gas bursts from Cameroon crater lakes. EOS, v.68, No.23; 570-573. (1702).
- Sigurdsson,H. and G.M.Brown, 1970. An unusual enstatite-forsterite basalt from Kolbeinsey Island, north of Iceland. J.Petrology, v.11; 205-220. (152).
- Sigurdsson,H. and S.R.J.Sparks, 1978. Lateral magma flow within rifted Icelandic crust. Nature, v.274; 126-130. (715).
- Sigurdsson,H., J.-G.Schilling and P.S.Meyer, 1978. Skagi and Langjökull volcanic zones in Iceland: 1. Petrology and structure. J.Geophys.Research, v.83; 3971-3982. (731).
- Sigurdsson,O., G.S.Bodvarsson and V.Stefansson, 1983. Nonisothermal injectivity index can infer well productivity and reservoir transmissivity. Ninth Workshop Geoth.Res.Engineering, Stanford Univ., Dec.13-15 1983; 6 pp. (2031).
- Sigurdsson,O.,S.P.Kjaran,T.Thorsteinsson,V.Stefánsson and G.Pálmasón, 1985. Experience of exploiting Icelandic geothermal reservoirs. ; . (1375).

- Sigurdsson, O., S.P.Kjaran, Th.Thorsteinsson, V.Stefansson and G.Pálmasón, 1985. Experience of exploiting Icelandic geothermal reservoirs. Geoth.Res.Council, Int. Sympos. Geoth. Energy, Hawaii, Aug.1985; 15 pp (preprint). (1650).
- Sigurdsson,S.Th., 1970. Gravity survey on western Vatnajökull. Jökull, v.20; 38-44. (351).
- Sigurgeirsson, Þ., 1974. The battle of Heimaey. Island 74, Loftleiðir o.fl., 1974; 63-71. (1766).
- Sigurgeirsson,Th., 1957. Direction of magnetization in Icelandic basalts. Phil.Mag.Supp., v.6; 240-246. (353).
- Sigurgeirsson,Th.. 1967. Aeromagnetic surveys of Iceland and its neighbourhood. In: Iceland and Mid-Ocean Ridges (ed. Sv.Björnsson), Soc.Sci.Icelandica, Rit 38; 91-96. () .
- Sigurgeirsson,Th., 1970. Aeromagnetic survey of SW Iceland. Science in Iceland, v.2; 13-20. (149).
- Sigurgeirsson,Th., 1970. A survey of geophysical research related to crustal and upper mantle structure in Iceland. J.Geomagn.Geoëlectricity, v.22; 213-221. (150).
- Sigvaldason,G., 1979. Fluids in volcanic and geothermal systems. Handrit; 35 pp. (1776).
- Sigvaldason,G.E., . Fluids in volcanic and geothermal systems. ; . (1070).
- Sigvaldason,G.E., 1959. Mineralogische Untersuchungen über Gesteinszersetzung durch postvulkanische Aktivität in Island. Beitr.Mineral.Petrographie, v.6; 405-426. (348).
- Sigvaldason,G.E., 1963. Influence of geothermal activity on the chemistry of three glacier rivers in southern Iceland. Jökull, v.13; 10-17. (349).
- Sigvaldason,G.E., 1964. Some geochemical and hydrothermal aspects of the 1961 Askja eruption. Beitr.Mineral.Petrographie, v.10; 263-274. (356).
- Sigvaldason,G.E., 1966. Chemistry of thermal waters and gases in Iceland. Bull.Volcanologique, v.29; 589-604. (354).
- Sigvaldason,G.E., 1968. Structure and products of subaqueous volcanoes in Iceland. Contr.Mineral.Petrol.. v.18; 1-16. (352).
- Sigvaldason,G.E., 1969. Chemistry of basalts from the Icelandic rift zone. Contr.Mineral.Petrol., v.20; 357-370. (147).
- Sigvaldason,G.E., 1973. The petrology of Hekla and origin of silicic rocks in Iceland. Mimeographed; . (146).
- Sigvaldason,G.E., 1973. Basalts from the centre of the assumed Icelandic mantle plume. Fjörlit, Raunví sindastofnun háskólans; 52 pp. (1827).
- Sigvaldason,G.E., 1975. Chemical composition of volcanic gases. ; . (507).
- Sigvaldason,G.E., 1981. World organization of volcano observatories. Episodes, v.(1981); 9-10. (2022).

- Sigvaldason,G.E., 1989. International conference on Lake Nyos disaster, Yaoundé, Cameroon 16-20 March, 1987: Conclusions and recommendations. *J.Volcanol.Geoth.Research*, v.39; 97-107. (2119).
- Sigvaldason,G.E. and D.E.White, 1962. Hydrothermal alteration in drill holes GS-5 and GS-7, Steamboat Springs, Nevada. U.S.GeoL.Survey Prof.Paper 450-D; D113-D117. (914).
- Sigvaldason,G.E. and G.Elísson, 1968. Collection and analysis of volcanic gases at Surtsey, Iceland. *Geochim.Cosmochim.Acta*, v.32; 797-805. (148).
- Sigvaldason,G.E. and N.Óskarsson, 1976. Chlorines in basalts from Iceland. *Geochim.Cosmochim.Acta*, v.40 (7); 777-789. (506).
- Sigvaldason,G.E. and N.Óskarsson, 1986. Fluorine in basalts from Iceland. *Contrib.Mineral.Petrol.*,v.94; 263-271. (1638).
- Sigvaldason,G.E., S.Steinthorsson, N.Oskarsson and P.Imsland, 1974. Compositional variation in recent Icelandic tholeiites and the Kverkfjöll hot spot. *Nature*, v.251; 579-582. (23).
- Simon,H.A. and W.G.Chase, 1973. Skill in chess. *American Scientist*, v.61; 394-403. (1762).
- Simoneit,B.R.T. and P.F.Lonsdale, 1982. Hydrothermal petroleum in mineralized mounds at the seabed of Guaymas Basin. *Nature*, v.295; 198-202. (1260).
- Óskarsson,N., 1980. The interaction between volcanic gases and tephra: Fluorine adhering to tephra of the 1970 Hekla eruption. *J.Volcanol.Geoth.Research*, v.8; 251-266. (1013).
- Óskarsson,N., 1981. The chemistry of Icelandic lava incrustations and the latest stages of degassing. *J.Volcanol.Geoth.Research*, v.10; 93-111. (1075).
- Óskarsson,N., G.E.Sigvaldason and S.Steinþórsson, 1979. A dynamic model of rift zone petrogenesis and the regional petrology of Iceland. *Nordic Volc.Inst., Rep.* 7905, (mimeographed); 104 pp. (878).
- Óskarsson,N., G.E.Sigvaldason and S.Steinþórsson, 1982. A dynamic model of rift zone petrogenesis and the regional petrology of Iceland. *J.Petrol.*, v.23; 28-74. (1069).
- Skirrow,R. and M.L.Coleman, 1982. Origin of sulphur and geothermometry of hydrothermal sulphides from the Galapagos Rift, 86°W. *Nature*, v.299; 142-144. (2025).
- Sleep,N.H., 1969. Sensitivity of heat flow and gravity to the mechanism of sea-floor spreading. *J.Geophys.Research*, v.74; 542-549. (1138).
- Sleep,N.H., 1974. Segregation of magma from a mostly crystalline mush. *Geol.Soc.Am.Bull.*, v.85; 1225-1232. (24).
- Sleep,N.H., 1975. Formation of oceanic crust: some thermal constraints. *J.Geophys.Research*, v.80; 4037-4042. ().
- Sleep,N.H. and B.R.Rosendahl, 1979. Topography and tectonics of mid-oceanic ridge axes. *J.Geophys.Research*, v.84; 6831-6839. (1281).

- Slootweg,A.P., 1978. Computer contouring with a digital filter. Mar.Geophys.Researches, v.3; 401-405. (895).
- Slootweg,A.P., 1986. Basement imaging with side-looking seismics. Mar.Geophys.Researches, v.8; 149-174. (1696).
- Slootweg,A.P. and B.J.Collecte, 1985. Crustal structure and spreading history of the central North-Atlantic in the Cretaceous Magnetic Quiet Zone (African Plate). Proc.Kon.Nederl.Akademie van Wetenschappen,Ser.B, v.88, no.3; 251-302. (1698).
- Smewing,J.D., K.O.Simonian and I.G.Gass, 1975. Metabasalts from the Troodos Massif, Cyprus: Genetic implications deduced from petrography and trace element geochemistry. Contrib.Mineral.Petrol., v.51; 49-64. (393).
- Smith,A.G., 1976. Plate tectonics and orogeny: a review. Tectonophysics, v.33; 215-285. (539).
- Smith,G.M. and S.K.Banerjee, 1986. Magnetic structure of the upper kilometer of the marine crust at Deep Sea Drilling Project Hole 504B, eastern Pacific Ocean. J.Geophys.Research, v.91; 10337-10354. (1639).
- Smith,P.J., 1967. The intensity of the Tertiary geomagnetic field. Geophys.J.R.astr.Soc., v.12; 239-258. (145).
- Smith,R.B. and M.L.Sbar, 1974. Contemporary tectonics and seismicity of the western United States with emphasis on the intermountain seismic belt. Geol.Soc.Am.Bull., v.85; 1205-1218. (386).
- Smith,R.B. and R.L.Christiansen, 1980. Yellowstone Park as a window on the Earth's interior. Sci.American, v.242; 104-117. (886).
- Sochelnikov,V.V. and V.G.Zolotarev, 1978. Nature of marine geothermal anomalies. Izv., Earth Physics, v.14 (7); 515-518. (988).
- Sokolowski,J., 1989. Occurrences of geothermal waters in Poland and their utilization program in Podhale region. ; 49-58. (2133).
- Solomon,S.C., 1973. Shear wave attenuation and melting beneath the Mid-Atlantic Ridge. J.Geophys.Research, v.78; 6044-6051. (800).
- Solomon,S.C., P.Y.Huang and L.Meinke, 1988. The seismic moment budget of slowly spreading ridges. Nature, v.334; 58-60. (1840).
- Sommerhoff,G., 1973. Formenschatz und morphologische Gliederung des südostgrönländischen Schelfgebietes und Kontinentalabhangs. "Meteor" Forsch.-Ergebnisse, Reihe C, No.15, Berlin, Stuttgart; 1-54. (849).
- Sommerhoff,G., 1979. Submarine glazial übertiefte Täler vor Südgrönland. Eiszeitalter u. Gegenwart, v.29; 201-213. (847).
- Sommerhoff,G., B.Larsen and G.Michler, 1979. Zur Frage der topographischen Steuerung der ozeanischen Polarfront vor Südgrönland. Polarforschung, v.48; 63-69. (848).
- Sømod,Th., 1957. Gravimetric ties. Geographical Survey of Norway, geodetic publication No.10, Oslo, Norway; . (120).

- Sømod,Th., 1957. European gravimetric calibration base Hammerfest-Bodø-Oslo. N.G.O., Oslo; 44 pp. (1852).
- Sorokhtin,O.G., 1975. Tectonics of lithospheric plates and the nature of the layers of the oceanic crust. Izv., Earth Physics, No.2 (Engl.ed. p.109-114); 50-59. (528).
- Sparks,S.R.J., H.Sigurdsson and L.Wilson, 1977. Magma mixing: a mechanism for triggering acid explosive eruptions. Nature, v.267; 315-318. (625).
- Spence,G.D., R.S.White, K.G.Westbrook and S.R.Fowler, 1989. The Hatton Bank continental margin - I. Shallow structure from two-ship expanding spread seismic profiles. Geophys.Journal, v.96; 273-294. (2081).
- Spooner,E.T.C. and C.J.Bray, 1977. Hydrothermal fluids of seawater salinity in ophiolitic sulphide ore deposits in Cyprus. Nature, v.266; 808-812. (712).
- Spooner,E.T.C. and W.S.Fyfe, 1973. Sub-sea-floor metamorphism, heat and mass transfer. Contrib.Mineral.Petrol., v.42; 287-304. (626).
- Spooner,E.T.C., R.D.Beckinsale, W.S.Fyfe and J.D.Smewing, 1974. O(18) enriched ophiolitic metabasic rocks from E.Liguria (Italy), Pindos (Greece), and Troodos (Cyprus). Contrib.Mineral.Petrol., v.47; 41-62. (54).
- Spudich,P. and J.Orcutt, 1980. A new look at the seismic velocity structure of the oceanic crust. Rev.Geophys. Space Physics, v.18; 627-645. (943).
- Stakes,D.S. and J.R.O'Neil, 1982. Mineralogy and stable isotope geochemistry of hydrothermally altered oceanic rocks. Earth Planet.Sci.Letters, v.57; 285-304. (1258).
- Stefánsson,R., 1966. Methods of focal mechanism studies with application on two Atlantic earthquakes. Tectonophysics, v.3; 210-243. (143).
- Stefánsson,R., 1966. The use of transverse waves in focal mechanism studies. Tectonophysics, v.3; 35-60. (144).
- Stefánsson,R., 1967. Some problems of seismological studies on the Mid-Atlantic Ridge. In: Iceland and Mid-Ocean Ridges (ed.Sv.Björnsson), Soc.Sci.Icelandica, Rit 38; 80-89. ().
- Stefánsson,R., 1979. Catastrophic earthquakes in Iceland. Tectonophysics, v.53; 273-278. (765).
- Stefansson,R.,A.T.Linde and I.S.Sachs., 1983. Strain signals in Iceland.. Carnegie Inst.Washington Year-Book 82.; 512-514.. (1290).
- Stefánsson,R.,I.S.Sacks and A.T.Linde, 1979. Stress field changes during a tectonic episode in northern Iceland. Carnegie Inst.Washington Year Book 78; 320-325. (1607).
- Stefansson,R., I.S.Sacks and A.T.Linde, 1981. The Hekla eruption of 1980 - The mechanism of a ridge volcano. Carnegie Institute, Ann.Rep.Dir.Dept.Terrestrial Magnetism, 1980-1981; 511-514. (1086).
- Stefánsson,U., 1966. Influence of the Surtsey eruption on the nutrient content of the surrounding seawater. J.Marine Research, v.24; 241-268. (1815).
- Stefánsson,U., B.Líndal, J.Jakobsson and Í.Jónsson, 1961. The salinity at the shores of southwest Iceland. Rit Fiskideildar, v.II, Nr.9; 26 pp. (1885).

Stefánsson,V., 1080. Rannsóknir á háhitasvæðinu í Kröflu (Investigation on the Krafla high-temperature geothermal field). Náttúrufræðingurinn, v.50; 333-359. (1079).

Stefánsson,V., 1975. Jordvärme, Islands billigaste energi, o.fl.. Forskning och framsteg, v.5; 4-17. (2100).

Stefánsson, V., 1980. Borun eftir jarðhita og rannsóknir á borholum. Náttúrufræðingurinn, v.50; 250-270. (1647).

Stefánsson, V., 1980. Rannsóknir á háhitasvæðinu í Kröflu. Náttúrufræðingurinn, v.50; 333-359. (1648).

Stefánsson,V., 1981. The Krafla geothermal field, Northeast Iceland. In: Geothermal Systems: Principles and Case Histories (ed.: L.Rybach and L.J.P.Muffler), J.Wiley & Sons Ltd; 273-294. (1005).

Stefansson,V., 1984. Physical environment of hydrothermal systems in Iceland and on submerged oceanic ridges.. Hydroth.Proc. at Seafloor Spreading Centers(ed. P.A.Rona et al.); 321-360.. (1263).

Stefánsson,V., 1984. Physical environment of hydrothermal systems in Iceland and on submerged oceanic ridges. In:Hydrothermal Processes at Seafloor Spreading Centers(P.A.Rona et..); 321-360. (1498).

Stefansson,V. and B.Steingrimsson., 1980. Production characteristics of wells tapping two phase reservoirs at Krafla and Namafjall.. Proc.Sixth Workshop Geoth.Res.Engineering,Stanford,Dec,1980.; 49-59.. (1327).

Stefánsson,V. and S.Björnsson, 1982. Physical aspects of hydrothermal systems. In: Continental and Oceanic Rifts, Geodynamics Series, Vol.8 (ed.: G.Pálmasón), Am.Geophys. Union; 123-145. (1275).

Stefánsson,V.,G.Axelsson and O.Sigurdsson, 1982. Resistivity logging of fractured basalt. Eighth Works.Geoth.Res.Eng.,Stanford Univ.,Dec. 14-16, 1982; 7 pp. (1499).

Stefansson,V.,G.Axelsson,O.Sigurdsson,G.Gudmundsson and B.Steingrimsson, 1985. Thermal condition of Surtsey. J.Geodynamics, v.4; 91-106. (1474).

Stegena,L., 1974. Geothermics and tectogenesis in the Pannonian basin. Acta Geol.Acad.Sci.Hungaricae, v.18 (3-4); 257-266. (475).

Stegena,L.. 1976. Electric conductivity structure and geothermal reservoirs. Acta Geodaet., Geophys. et Montanist, Acad.Sci.Hung. Tomus 11 (3-4); 377-397. (646).

Steinþórsson,S., 1985. Sigurður Þórarinsson. Andvari,v.110; 5-53. (1497).

Steinþórsson,S. and N.Óskarsson, 1983. Chemical monitoring of jökulhlaup water in Skeiðará and the geothermal system in Grímsvötn, Iceland. Jökull, v.33; 73-86. (2034).

Stein,S., 1978. A model for the relation between spreading rate and oblique spreading. Earth Planet.Sci.Letters, v.39; 313-318. (718).

Steiner,A., D.A.Brown and A.J.R.White, 1959. Occurrence of ignimbrite in the Shag Valley, North-East Otago. N.Z.J.Geol.Geophysics. v.2; 380-384. (1850).

Steinthórsson,S., 1964. The ankaramites of Hvammsmúli, Eyjafjöll, Southern Iceland. Acta Nat.Islandica, v.II(4); 32 pp + 8 plates. ().

- Steinthórsson,S., 1972. The opaque mineralogy of Surtsey. The Surtsey Progress Report VI; 152-157. (346).
- Steinthórsson,S., 1978. Tephra layers in a drill core from the Vatnajökull ice cap. Jökull, v.27; 2-27. (723).
- Steinthórsson,S. and A.E.Sveinbjörnsdóttir, 1981. Opaque minerals in geothermal well no. 7, Krafla, northern Iceland. J.Volcanol.Geoth.Research, v.10; 245-261. (1045).
- Steinthorsson,S. and W.Jacoby, 1985. Crustal accretion in and around Iceland. J.Geophys.Research, v.90; 9951-9952. (1439).
- Steinthorsson,S., L.Kristjánsson and G.E.Sigvaldason, 1971. Studies of drill cores from an unusual magnetic high in SW-Iceland (abstract).. First European Earth and Planetary Physics Colloquium, Reading, England; . (142).
- Steinthorsson,S., N.Oskarsson and G.E.Sigvaldason, 1985. Origin of alkali basalts in Iceland: A plate tectonic model. J.Geophys.Research, v.90; 10027-10042. (1444).
- Steinthórsson,S., N.Óskarsson, S.Arñorsson and E.Gunnlaugsson, 1987. Metasomatism in Iceland: Hydrothermal alteration and remelting of oceanic crust. In: Chemical Transp.in Metasom.Processes(ed.H.C.Helgeson),Reidel,1987; 355-387. (1778).
- Stephansson,O. and H.Berner, 1971. The finite element method in tectonic processes. Phys.Earth Planet.Interiors, v.4; 301-321. (254).
- Stephen,R.A., 1988. A review of finite difference methods for seismo-acoustics problems at the seafloor. Rev.Geophysics, v.26; 445-458. (1990).
- Strauch,F., 1963. Zur Geologie von Tjörnes (Nordisland). Sonderveröffentlichungen des Geologischen Instituts der Universität Köln, No.7(?), Köln, 1963; 129 pp. (522).
- Strens, M.R. and J.R.Cann, 1982. A model of hydrothermal circulation in fault zones at mid-ocean ridge crests. Geophys.J.R.astr.Soc., v.71; 225-240. (1682).
- Strens,M.R. and J.R.Cann, 1982. A model of hydrothermal circulation in fault zones at mid-ocean ridge crests. Geophys.J.R.astr.Soc., v.71; 225-240. (1930).
- Strens,M.R. and J.R.Cann, 1986. A fracture-loop thermal balance model of black smoker circulation. Tectonophysics, v.122; 307-324. (1681).
- Studhalter,W.R., 1982. Rotary separator turbine enhances geothermal power recovery. Mod.Power Syst., v.2; 61-66. (2019).
- Stadt,F.E. and G.E.K.Thompson, 1969. Geothermal heat flow in the North Island of New Zealand. N.Z.Jl Geol.Geophys., v.12; 673-683. (1864).
- Sun,S.-S. and Bor-ming Jahn, 1975. Lead and strontium isotopes in post-glacial basalts from Iceland. Nature, v.255; 527-530. (44).
- Sun,S.-S., M.Tatsumoto and J.-G.Schilling, 1975. Mantle plume mixing along the Reykjanes Ridge axis: Lead isotopic evidence. Science, v.190; 143-147. (458).
- Sundvor,E., A.Gidskehaug, A.Myhre and O.Eldholm, 1979. Marine geophysical survey on the northern Jan Mayen Ridge. Univ.of Bergen, Seism.Obs., Sci.Rep.No.6, Bergen; 18 pp. (1220).

- Swain,W.R., 1980. The world's greatest lakes. Lake Baikal and Lake Superior.... Natural History, v.89, No.8; 56-61. (1841).
- Sykes,L., 1965. The seismicity of the Arctic. Bull.Seism.Soc.Am., v.55; 501-518. (199).
- Sykes,L., 1967. Mechanism of earthquakes and nature of faulting on the mid-oceanic ridges. J.Geophys.Research, v.72; 2131-2153. (198).
- Sykes,L., 1970. Earthquake swarms and sea-floor spreading. J.Geophys.Research, v.75; 6598-6611. (197).
- Sykes,L., 1972. Seismicity as a guide to global tectonics and earthquake prediction. Tectonophysics, v.13; 393-414. (246).
- Sykes,L. and M.L.Sbar, 1973. Intraplate earthquakes, lithospheric stresses and the driving mechanism of plate tectonics. Nature, v.245; 298-302. (826).
- Talwani,M.. 1964. A review of marine geophysics. Marine Geol., v.2; 29-80. (1893).
- Talwani,M. and M.Langseth, 1981. Ocean crustal dynamics. Science, v.213; 22-31. (1039).
- Talwani,M. and O.Eldholm, 1973. Boundary between continental and oceanic crust at the margin of rifted continents. Nature, v.241; 325-330. (194).
- Talwani,M. and O.Eldholm, 1977. Evolution of the Norwegian-Greenland Sea. Geol.Soc.Am.Bull., v.88; 969-999. (650).
- Talwani,M. and X.LePichon, 1969. Gravity field over the Atlantic Ocean. In: The Earth's crust and Upper Mantle (ed.P.J.Hart), Am. Geophys.Union, Geophys.Monograph 13; 341-351. (195).
- Talwani,M., C.C.Windisch and M.G.Langseth,Jr., 1971. Reykjanes Ridge crest: A detailed geophysical study. J.Geophys.Research, v.76; 473-517. (193).
- Talwani,M., X.LePichon and M.Ewing, 1965. Crustal structure of the mid-ocean ridges. 2. Computed model from gravity and seismic refraction data. J.Geophys.Research, v.70; 341-352. (196).
- Talwani,M., X.LePichon, M.Ewing, G.H.Sutton, J.L.Worzel, 1966. Comments on a paper by W.Jason Morgan, 'Gravity anomalies and convection currents 2. The Puerto Rico Trench and the Mid-Atlantic Rise'. J.Geophys.Research, v.71; 3602-3606. (239).
- Tamsett,D., 1986. Median valley tectonics: Air photographs of the Ghoubbet-Asal rift. Afar. Tectonophysics, v.131; 75-87. (1807).
- Tanger IV,J.C. and H.C.Helgeson, 1988. Calculation of the thermodynamic and transport properties of aqueous species at high pressures and temperatures: Revised equations Am.J.Science, v.288; 19-98. (1819).
- Tanimoto,T. and R.Sato, 1980. Ocean bottom displacements and velocities due to underwater explosions. J.Phys.Earth, v.28; 201-219. (965).
- Tapponnier,P. and 29 other authors, 1981. The Tibetan side of the India-Eurasia collision. Nature, v.294; 405-410. (1701).

- Tappognier,P. and J.Francheteau, 1978. Necking of the lithosphere and the mechanics of slowly accreting plate boundaries. *J.Geophys.Research*, v.83; 3955-3970. ().
- Tarantola,A., E.Tryggvason and A.Nercessian, 1983. Volcanic or seismic prediction as an inverse problem. *Ann.Geophysicae*, v.1; 443-450. (1780).
- Tarantola,A., J.C.Ruegg and J.C.Lepine, 1979. Geodetic evidence for rifting in Afar: A brittle-elastic model of the behaviour of the lithosphere. *Earth Planet.Sci.Letters*, v.45; 435-444. (831).
- Tarantola,A., J.C.Ruegg and J.C.Lepine, 1980. Geodetic evidence for rifting in Afar: 2. Vertical displacements. *Earth Planet.Sci.Letters*, v.48; 363-370. (952).
- Tarkov,A.P. and V.V.Vavakin, 1982. Poisson's ratio behaviour in various crystalline rocks: application to the study of the Earth's interior. *Phys. Earth Planet.Interiors*, v.29; 24-29. (2028).
- Tarling,D.H. and N.H.Gale, 1968. Isotopic dating and palaeomagnetic polarity in the Faeroe Islands. *Nature*, v.218; 1043-1044. (192).
- Tazieff,H., 1971. Sur la tectonique de l'Afar Central. *C.R.Acad.Sc.Paris, Série D*, v.272; 1055-1058. (266).
- Tazieff,H., 1972. About deep-sea volcanism. *Geol.Rundschau*, v.61 (2); 470-480. (318).
- Tazieff,H., J.Varet, F.Barberi and G.Giglia, 1972. Tectonic significance of the Afar (or Danakil) depression. *Nature*, v.235; 144-147. (267).
- Tenu,A., T.Constantinescu, F.Davidescu, S.Nuti, P.Noto and P.Squarci, 1981. Research on the thermal waters of the western plain of Romania. *Geothermics*, v.10; 1-28. (1058).
- Tester,J.W., H.D.Murphy, C.O.Grigsby, R.M.Potter and B.A.Robinson, 1989. Fractured geothermal reservoir growth induced by heat extraction. *SPE Reservoir Engineering*, Febr. 1989; 97-104. (1994).
- Tester,J.W., H.D.Murphy, C.O.Grigsby, R.M.Potter and B.A.Robinson, 1989. Fractured geothermal reservoir growth induced by heat extraction. *SPE Reservoir Engineering*, Febr.1989; 97-104. (2051).
- Tester,J.W.,R.L.Bivins and R.M.Potter, 1982. Interwell tracer analyses of a hydraulically fractured granitic geothermal reservoir. *Soc.Petrol.Eng.Journal*,v.; 537-554. (1401).
- Thanassoulas,C. and G.N.Tsokas, 1986. A simple basic program for computing terrain corrections on a microcomputer. *Computers & Geosc.*,v.12; 89-91. (1578).
- Thayer,R.E., A.Björnsson, L.Alvarez and J.F.Hermance, 1981. Magma genesis and crustal spreading in the northern neovalcanic zone of Iceland: telluric-magnetotelluric constraints. *Geophys.J.R.astr.Soc.*, v.65; 423-442. (1003).
- Thayer,T.P., 1969. Peridotite-gabbro complexes as keys to petrology of mid-oceanic ridges. *Geol.Soc.Am.Bull.*, v.80; 1515-1522. (1111).
- Theodorsson,P., 1967. Natural tritium in groundwater studies. In: "Isotopes in Hydrology", IAEA, Vienna; 371-380. (912).

Theodórsson,P.. 1968. Prívetni í grunnvatni og jöklum á Íslandi. Jökull, v.18; 350-358. (913).

Thompson,G.E.K., 1980. Temperature gradients within and adjacent to the Taupo Volcanic Zone. N.Z.J.Geol.Geophys., v.23; 407-412. (1043).

Thompson,G. et al., 1990. Mid-Atlantic Ridge hydrothermal processes. EOS, v.71; 726. (2154).

Thompson,G.,W.B.Bryan,R.Ballard,K.Hamuro and W.G.Melson, 1985. Axial processes along a segment of the East Pacific Rise, 10-12 N. Nature,v.318; 429-433. (1586).

Thompson,R. and G.M.Turner, 1985. Icelandic Holocene palaeolimnomagnetism. Physics Earth Planet.Interiors,v.38; 250-261. (1545).

Thorarinsson,S., 1937. The main geological and topographical features of Iceland. Geograf.Annaler, Stockholm; 161-175 (165 aðeins). (191).

Thorarinsson,S., 1953. Some new aspects of the Grímsvötn problem. J.Glaciology, v.2; 267-275. (340).

Thorarinsson,S., 1958. The Öræfajökull eruption of 1362. Acta Nat.Icelandica, v.II, No.2; 99 pp + 1 pl.. () .

Thorarinsson,S., 1959. Um möguleika á því að segja fyrir næsta Kötlugos (On the possibilities of predicting the next eruption of Katla). Jökull, v.9; 6-18. () .

Thorarinsson,S., 1964. Surtsey - the new island in the North Atlantic. Almenna bókafélagid, (Reykjavik); 110 pp. () .

Thorarinsson,S., 1965. The median zone of Iceland. In: The World Rift System, Upper Mantle Project Symposium, Ottawa, Canada. Geol.Survey Canada Paper 66-14; 187-211. (183).

Thorarinsson,S., 1967. Some problems of volcanism in Iceland. Geol.Rundschau, v.57; 1-20. (182).

Thorarinsson,S., 1967. The eruptions of Hekla in historical times. A tephrochronological study. In the series: The Eruption of Hekla 1947-1948. Soc.Sci.Icelandica.; 183 pp. () .

Thorarinsson,S., 1967. Hekla and Katla. In: Iceland and Mid-Ocean Ridges (Ed. S.Björnsson), Soc.Sci.Icelandica, Rit 38; 190-197. () .

Thorarinsson,S., 1968. On the rate of lava and tephra production and the upward migration of magma in four Icelandic eruptions. Geol.Rundschau, v.57; 705-718. (181).

Thorarinsson,S., 1969. Glacier surges in Iceland, with special reference to the surges of Brúarjökull. Can.J.Earth Sci., v.6 (4); 875-882. (973).

Thorarinsson,S. and B.Vonnegut, 1964. Whirlwinds produced by the eruption of Surtsey Volcano. Bull.Am.Meteor.Soc., v.45 (8); 440-444. (972).

Thorarinsson,S. and G.E.Sigvaldason, 1972. The Hekla eruption of 1970. Bull.Volcanologique, v.36; 269-288. (180).

Thorarinsson,S., K.Sæmundsson and R.S.Williams,Jr., 1973. ERTS-1 image of Vatnajökull: Analysis of glaciological, structural, and volcanic features. *Jökull*, v.23; 7-17. (1335).

Thorarinsson,S., K.Sæmundsson and R.S.Williams,Jr., 1973. ERTS-1 image of Vatnajökull: analysis of glaciological, structural, and volcanic features. *Jökull*, v.23; 7-17. () .

Thorarinsson,S., S.Steinthórsson, Th.Einarsson, H.Kristmannsdóttir & N.Oskarsson, 1973. The eruption on Heimaey, Iceland. *Nature*, v.241; 372-375. (606).

Thorarinsson,S., T.Einarsson and G.Kjartansson, 1959. On the geology and geomorphology of Iceland. *Geograf.Annaler*, v.41; 135-169. (190).

Thórdarson,T. and S.Self, 1988. Old maps help interpret Icelandic eruption. *EOS*, v.69; 86. (1810).

Thórhallsson,S., 1979. Combined generation of heat and electricity from a geothermal brine at Svartsengi in S.W. Iceland. *Geoth.Res.Council, Trans.*, v.3; 733-736. (933).

Thorhallsson,S., 1987. Experience in developing and utilizing geothermal resources in Iceland. *UN Inst.Training and Research, Workshop*, Pisa, Italy (handrit); 25 pp. (1731).

Thórhallsson,S., K.Ragnars, S.Arñorsson and H.Kristmannsdóttir, 1975. Rapid scaling of silica in two district heating systems. *Second U.N. Symp. Dev. Use Geothermal Resources*, San Francisco; 1445-1449. (892).

Thorláksson,J.E., 1967. A probability model of volcanoes and the probability of eruptions of Hekla and Katla. *Bull.Volcanologique*, v.31; 97-106. (339).

Thorne,J. and A.B.Watts, 1984. Seismic reflectors and unconformities at passive continental margins. *Nature*,v.311; 365-368. (1343).

Thoroddsen, Th., 1913. *Japetus Steenstrups Rejser og Undersøgelser paa Island*. Særtr. Mindeskr. f. J. Steenstrup, Köbenhavn; 20 pp. (1745).

Thors,K. and S.P.Jakobsson, 1982. Two seismic reflection profiles from the vicinity of Surtsey, Iceland. *Surtsey Res.Progr.Rep.*, v.9; 149-151. (1203).

Thors,K. og J.Helgason, 1988. Jarðög við Vestmannaeyjar. Hafrannsóknastofnun, fjöldit nr.16; 41 bls +5 myndasíður. (1929).

Thy,P., 1983. Phase relations in transitional and alkali basaltic glasses from Iceland. *Contrib.Mineral.Petrol.*, v.82; 232-251. (2035).

Thy,P., 1983. Spinel minerals in transitional and alkali basaltic glasses from Iceland. *Contrib.Mineral.Petrol.*, v.83; 141-149. (2036).

Tilling,R.I., C.Heliker and T.L.Wright, 1987. Eruptions of Hawaiian volcanoes: Past, present and future. *U.S.Geological Survey Publ.*; 55 pp. (1768).

Titaeva,N.A., A.I.Polyakov and Yu.B.Zornina, 1982. Th/U ratio as indicator of consanguinity of volcanic rocks of the rhyolite-basalt series of Iceland (in Russian). *Geokhimja*, No.11, 1982; 1632-1638. (1223).

- Tivey,M.A. and H.P.Johnson, 1987. The central anomaly magnetic high: implications for ocean crust construction and evolution. *J.Geophys.Research*, v.92; 12685-12694. (1803).
- Tole,M.P., 1988. Low enthalpy geothermal systems in Kenya. *Geothermics*, v.17; 777-783. (1981).
- Tómasson,H., 1964. Seepage and sediment load. *Tímarit V.F.Í.*, v.; 1-11. (345).
- Tómasson,H., 1973. Catstrophic floods in Jökulsá á Fjöllum (in Icelandic with an English summary). *Náttúrufræðingurinn*, v.43; 12-34. (341).
- Tómasson,H., S.Pálsson and P.Ingólfsson, 1980. Comparison of sediment load transport in the Skeiðará jökulhlaups in 1972 and 1976. *Jökull*, v.30; 21-33. (1042).
- Tómasson,J., 1967. On the origin of sedimentary water beneath Vestmann Islands. *Jökull*, v.17; 300-311. (179).
- Tómasson,J., 1967. Hekla's magma. In: *Iceland and Mid-Ocean Ridges* (ed.S.Björnsson), *Soc.Sci.Icelandica, Rit 38*; 180-188. () .
- Tómasson,J. and Ó.B.Smárasón, 1985. Developments in geothermal energy. *Hydrogeology in the Service of Man*. Cambridge, 1985; 189-211. (1488).
- Tómasson,J. and G.K.Halldórsson, 1981. The cooling of the Selfoss geothermal area, S-Iceland. *Geoth.Res.Council, Trans.*, v.5; 209-212. (1278).
- Tómasson,J. and H.Kristmannsdóttir, 1972. High temperature alteration minerals and thermal brines, Reykjanes, Iceland. *Contr.Mineral.Petrol.*, v.36; 123-134. (178).
- Tómasson,J. and T.Thorsteinsson, 1978. Drillhole stimulation in Iceland. ; . (700).
- Tómasson,J. and T.Thorsteinsson, 1978. Drillhole stimulation in Iceland. *Am.Soc.Mech.Engineers (?)*; 5 pp. (1399).
- Tómasson,J., I.B.Fridleifsson and V.Stefánsson, 1975. A hydrological model for the flow of thermal water in southwestern Iceland with special reference to the Reykir and Reykjavík thermal areas. Second U.N. Symp. Dev. Use Geothermal Resources, San Francisco; 643-648. (899).
- Tong Wei, 1979. A brief note on geothermal research in Xizang (Tibet). *Geothermics*, v.8; 135-140. (1537).
- Toomey,D.R. and G.R.Foulger, 1989. Tomographic inversion of local earthquake data from the Hengill-Grensdalur central volcano complex, Iceland. *J.Geophys.Research*, v.94; 17497-17510. (2132).
- Torfason, Helgi, 1985. The Great Geysir. *Geysisnefnd*, útg.; 23 pp. (2064).
- Torfason, Helgi (þýð.: Kristján Sæmundsson), 1987. Der Grosse Geysir. *Geysisnefnd*, útg.; 23 pp. (2065).
- Torga,W. and H.Drewes, 1977. Gravity variations with time in northern Iceland 1965-1975. *J.Geophysics*, v.43; 771-790. (649).

- Torge,W., 1975. Methods and accuracy considerations for positioning and height determination for extensive geophysical investigations. In: Afar Depression of Ethiopia (ed.A.Pilger and A.Rösler), Stuttgart; 145-150. (491).
- Torge,W., 1977. Untersuchungen zur Höhen- und Geoidbestimmung im dreidimensionalen Testnetz Westharz. Zeit.f.Vermessungswesen, v.102; 173-186. (792).
- Torge,W., 1978. Time variations of gravity and height, in a tectonic active region (northern Iceland). Proc.Symp.Role of Density (ed.:S.Saxov), Geoskrifter No.10, Aarhus University; 183-187. (798).
- Torge,W., 1979. Eine gravimetrische Geoidberechnung für Island und Umgebung. Festschrift (o. Prof.em.Dr.-Ing. Karl Gerke), Geodät.Schriftenreihe d.Tech.Univ.Braunschweig, Nr.1, Braunschweig; 259-265. (814).
- Torge,W., 1979. Gravity and height variations connected with the current rifting episode in northern Iceland. Presented to the Symp.Recent Crustal Movements, XVII Gen.Ass.IUGG, Canberra, 2.-15.Dec.1979; 12 pp. (815).
- Torge,W., 1981. Gravity and height variations connected with the current rifting episode in northern Iceland. Tectonophysics, v.71; 227-240. (1007).
- Torge,W., 1982. Recent results of precise gravity measurements and levellings in northern Iceland. Earth Evolution Sciences, v.2; 146-148. (1197).
- Torge,W. and E.Kanngieser, 1978. Variations with time of gravity and height along a profile across the rift zone of northern Iceland. In: Terrestrial and Space Techniques in Earthquake Prediction Research (ed.:A.Vogel), Friedr.Vieweg & Sohn, Braunschweig/Wiesbaden; 313-316. (813).
- Torge,W. and E.Kanngieser, 1980. Gravity and height variations during the present rifting episode in northern Iceland. J.Geophysics, v.47; 125-131. (862).
- Torge,W. and E.Kanngieser, 1983. Gravity and height variations connected with the recent rifting process in northern Iceland 1975-1981. J.Geophysics, v.53; 24-33. (1623).
- Torge,W. and E.Kanngieser, 1985. Regional and local vertical crustal movements in northern Iceland, 1965 - 1980. J.Geophys.Research, v.90; 10173-10177. (1455).
- Torge,W. and H.Drewes, 1977. Gravity changes in connection with the volcanic and earthquake activity in northern Iceland 1975-76. Jökull, v.27; 60-70. (816).
- Torge,W. and H.G.Wenzel, 1976. Gravimetric earth tide observations in Iceland. Bull.d'Inf.Mareés Terrestres, No.74; 4312-4318. (901).
- Torge,W..G.Weber and H.-G.Wenzel, 1983. 6'x10' free air gravity anomalies of Europe including marine areas. XVIII IUGG General Assembly,Hamburg,1983; 14 pp +2 maps. (1523).
- Torgersen, T., 1990. Crustal-scale fluid transport. EOS, v.71, No. 1; 1. (2116).
- Torssander,P., 1988. Sulfur isotope ratios of Icelandic lava incrustations and volcanic gases. J.Volcanol.Geoth.Research, v.35; 227-235. (1975).
- Torssander,P., 1989. Sulfur isotope ratios of Icelandic rocks. Contrib.Mineral.Petrol., v.102; 18-23. (2066).

- Tozer,D.C., 1973. The concept of a lithosphere. *Geofis.Internacional*, v.13; 363-388. (1027).
- Tozer,D.C., 1973. Thermal plumes in the Earth's mantle.. *Nature*,v.244.; 398-400.. (1309).
- Trifonov,V.G., 1978. Problems of and mechanism for the tectonic spreading of Iceland. *Mod.Geol.*, v.6; 123-138. (758).
- Truesdell,A.H. and W.Singers, 1974. The calculation of aquifer chemistry in hot-water geothermal systems. *Jour.Research U.S.Geol.Survey*,v.2.No.3; 271-278. (1361).
- Tryggvason,E., 1959. Longitudinal wave velocities in the Earth's crust in Iceland (in Icelandic with an English summary). *Náttúrufræðingurinn*, v.29; 80-84. (177).
- Tryggvason,E., 1959. Earthquakes in Iceland during the years 1956, 1957 and 1958 (in Icelandic with an English summary). *Náttúrufræðingurinn*, v.29; 84-91. (177).
- Tryggvason,E., 1961. Wave velocity in the upper mantle below the Arctic-Atlantic Ocean and Northwest Europe. *Ann.di Geofis.*, v.14; 379-392. (175).
- Tryggvason,E., 1961. Crustal thickness in Fennoscandia from phase velocities of Rayleigh waves. *Annali di Geofisica*, v.14; 267-293. (1920).
- Tryggvason,E., 1962. Crustal structure of the Iceland region from dispersion of surface waves. *Bull.Seism.Soc.Am.*, v.52; 359-388. (343).
- Tryggvason,E., 1964. Arrival times of P-waves and upper mantle structure. *Bull.Seism.Soc.Am.*, v.54; 727-736. (174).
- Tryggvason,E., 1965. Dissipation of Rayleigh wave energy. *J.Geophys.Research*, v.70; 1449-1455. (342).
- Tryggvason,E., 1968. Measurement of surface deformation in Iceland by precision leveling. *J.Geophys.Research*, v.73; 7039-7050. (173).
- Tryggvason,E., 1970. Surface deformation and fault displacement associated with an earthquake swarm in Iceland. *J.Geophys.Research*, v.75; 4407-4422. (172).
- Tryggvason,E., 1973. How fast are Thingvellir subsiding? (in Icelandic with an English abstract). *Náttúrufræðingurinn*, v.43; 175-182. (35).
- Tryggvason,E., 1973. Seismicity, earthquake swarms, and plate boundaries in the Iceland region. *Bull.Seism.Soc.Am.*, v.63; 1327-1348. (64).
- Tryggvason,E., 1973. Surface deformation and crustal structure in the Mýrdalsjökull area of south Iceland. *J.Geophys.Research*, v.78; 2488-2497. (65).
- Tryggvason,E., 1974. Surface deformation in Iceland and crustal stress over a mantle plume. In: *Continuum Mechanics Aspects of Geodynamics and Rock Fracture Mechanics* (ed. P.Thoft-Christensen), D.Reidel Publishing Co., Dordrecht-Holland; 245-254. (36).
- Tryggvason,E., 1974. Fault displacement and ground tilt during small earthquakes. In: *Continuum Mechanics Aspects of Geodynamics and Rock Fracture Mechanics* (ed. P.Thoft-Christensen), D.Reidel Publishing Co., Dordrecht-Holland; 255-269. (37).

- Tryggvason,E., 1974. Vertical crustal movements in Iceland. In: Geodynamics of Iceland and the North Atlantic Area (ed. L.Kristjánsson), D.Reidel Publishing Co., Dordrecht-Holland; 241-262. (38).
- Tryggvason,E., 1980. Subsidence events in the Krafla area, North Iceland, 1975-1979. J.Geophysics, v.47; 141-153. (841).
- Tryggvason,E., 1981. Pressure variations and volume of the Krafla magma reservoir. Nord.Volc.Inst.Rep.8105; 17 pp. (1072).
- Tryggvason,E., 1982. Observed ground deformation during the Krafla eruption of March 16, 1980. Arquipélago Açores), No.III; 45-56. (1264).
- Tryggvason,E., 1982. Nokkrar hugleiðingar um Grímsvötn, mesta jarðhitasvæði jarðar. Í "Eldur í norðri", Sögufélagið, Reykjavík; 29-35. (1926).
- Tryggvason,E., 1984. Widening of the Krafla fissure swarm during the 1975-1981 volcano-tectonic episode. Bull.Volcanologique,v.47; 47-69. (1391).
- Tryggvason, E., 1986. Multiple magma reservoirs in a rift zone volcano: Ground deformation and magma transport during the September 1984 eruption of Krafla, Iceland. J.Volcanol.Geoth.Research, v.28; 1-44. (1505).
- Tryggvason,E., 1987. Myvatn lake level observations 1984-1986 and ground deformation during a Krafla eruption. J.Volcanol.Geoth.Research, v.31; 131-138. (1692).
- Tryggvason,E., 1987. Myvatn lake level observations 1984-1986 and ground deformation during a Krafla eruption. J.Volcanol.Geoth.Research, v.31; 131-138. (1808).
- Tryggvason, E., 1989. Ground deformation in Askja, Iceland: its source and possible relation to flow of the mantle plume. J. Volcanol. Geoth. Research, v.39; 61-71. (2156).
- Tryggvason,E. and M.Báth, 1961. Upper crustal structure of Iceland. J.Geophys.Research, v.66; 1913-1925. (176).
- Tryggvason,G., 1985. Numerical studies of flows with sharp interfaces. Thesis,Brown University; 78 pp + vi`aukar. (1433).
- Tryggvason,K.,E.S.Husebye and R.Stefánsson, 1983. Seismic image of the hypothesized Icelandic hot spot. Tectonophysics,v.100; 97-118. (1367).
- Tryggvason,T., 1955. On the stratigraphy of the Sog valley in SW Iceland. Acta Nat.Islandica, v.I (10); 35 pp. ().
- Tryggvason,T., 1965. Petrographic studies on the eruption products of Hekla 1947-48. In: The Eruption of Hekla 1947-1948, v.IV, 6, Soc.Sci.Islandica; 13 pp. (344).
- Tucholke,B.E., R.E.Houtz and W.J.Ludwig, 1982. Sediment thickness and depth to basement in western North Atlantic ocean basin. Am.Ass.Petr.Geol.Bull., v.66; 1384-1395. (1279).
- Tulinus,H., A.L.Spencer, G.S.Bodvarsson, H.Kristmannsdottir,T.Thorsteinsson and A.E.Sveinbjornsdottir, 1987. Reservoir studies of the Seltjarnarnes geothermal field, Iceland. Twelfth Ann.Work.Geoth.Res.Eng.,Stanford,CA,Jan.20-21,1987 (preprint); 9 pp. (1680).

Tulinus,H. and Ó.Sigurðsson, 1989. Two-dimensional simulation of the Krafla-Hvítólar geothermal field, Iceland. Manuscript, Stanford Reservoir Workshop, 1989; 7 pp. (2071).

Tullis,J.A., 1979. High temperature deformation of rocks and minerals. Rev.Geophys.Space Physics, v.17; 1137-1154. (909).

Turcotte,D.L., 1974. Are transform faults thermal contraction cracks?. J.Geophys.Research, v.79; 2573-2577. (760).

Turcotte,D.L., 1981. Some thermal problems associated with magma migration. J.Volcanol.Geoth.Research, v.10; 267-278. (1014).

Turcotte,D.L. and E.R.Oxburgh, 1973. Mid-plate tectonics. Nature, v.244; 337-339. (825).

Twigt,W., A.P.Slootweg and B.C.Collete, 1979. Topography and a magnetic analysis of an area south-east of the Azores (36°N, 23°W). Marr.Geophys.Researches, v.4; 91-104. (894).

Tyrrell,G.W., 1949. The Tertiary igneous geology of Scotland in relation to Iceland and Greenland. Medd.Danm.Geol.Forening, v.; 413-440. (171).

U.S.Geological Survey, 1989. The Loma Prieta earthquake of October 17, 1989. Pamphlet of USGS; 16 pp. (2147).

Udintsev,G.B. and E.V.Koreneva, 1982. The origin of aseismic ridges of the eastern Indian Ocean. In: The Ocean Floor (ed. R.A.Scrutton and M.Talwani), J.Wiley & Sons Ltd; 203-209. (1244).

Udintsev,G.B. and I.P.Kosinskaya, 1982. Bruce Heezen's ideas about the tectonic heterogeneity of the ocean floor and their application to the new data obtained in the North Atlantic Ocean. In: The Ocean Floor (ed. R.A.Scrutton and M.Talwani), J.Wiley & Sons Ltd; 61-67. (1230).

Udintsev,G.B., L.V.Dmitriev and A.P.Vinogradov, 1971. The tectonics of the Mid-Indian Ocean Ridge and the petrography of the solid rocks of its rift zones. Phil.Trans.Roy.Soc.London A, v.268; 653-659. (257).

Uhlrich,J., 1960. Zur Topographie des Reykjanes-Rückens. Kieler Meeresforschungen, v.16; 155-163. () .

Ukawa,M. and Y.Fukao, 1981. Poisson's ratios of the upper and lower crust and the sub-Moho mantle beneath central Honshu, Japan. Tectonophysics, v.77; 233-256. (1015).

Unni,C.K. and J.-G.Schilling, 1978. Cl and Br degassing by volcanism along the Reykjanes Ridge and Iceland. Nature, v.272; 19-23. (1961).

Uyeda,S., 1987. Active hydrothermal mounds in the Okinawa back-arc trough. EOS,Trans.A.G.U., v.68; 737. (1729).

Van Andel,T.H., 1972. Establishing the age of the oceanic crust. "Comments on Earth Sciences: Geophysics", v.2; 157-168. (240).

Van Bemmelen,R.W., 1972. Geodynamic models; an evaluation and synthesis. Hluti úr bók, snertir Ísland (Iceland, key word); 237-253. (1825).

- Van Ngoc,P., D.Boyer, J.-L.Le Mouël and V.Courtillot, 1981. Identification of a magma chamber in the Ghoubbet-Asal Rift (Djibouti) from a magnetotelluric experiment. *Earth Planet.Sci.Letters*, v.52; 372-380. (976).
- Vanney,J.R. and G.L.Johnson, 1976. Geomorphology of the Pacific continental margin of the Antarctic peninsula. Initial Reports of the Deep Sea Drilling Project, v.XXXV, Washington; 279-289. (544).
- Vanney,J.R. and G.L.Johnson, 1976. The Bellingshausen-Amundsen basins (southwestern Pacific): Major sea-floor units and problems. *Marine Geol.*, v.22; 71-101. (545).
- Varet,J., 1978. Geological map of central and southern Afar (Ethiopia and Djibouti Republic). Centre National de la Recherche Scientifique, Paris; 124 pp. (877).
- Veevers,J.J., D.A.Falvey, L.V.Hawkins and W.J.Ludwig, 1974. Seismic reflection measurements of northwest Australian margin and adjacent deeps. *Am.Ass.Petr.Geol.Bull.*, v.58; 1731-1750. (387).
- Vening Meinesz,F.A., 1965. Origin of the crustal structure of the Mid-Ocean Ridges. *Proc.Koninkl.Ned.Akad.Wet.*, Ser.B, v.68; 114-116. (1110).
- Verhoef, J., 1984. A geophysical study of the Atlantis-Meteor seamount complex. Dissertation, Rijksuniversiteit te Utrecht; 153 pp. (1301).
- Verhoef,J., 1985. The sedimentary pattern around the Atlantic-Meteor seamount complex: a model study. *Earth Planet.Sci.Letters*, v.73; 117-128. (1697).
- Verhoef,J. and B.J.Collecte, 1985. A geophysical investigation of the Atlantis-Meteor Seamount Complex. *Proc.Kon.Nederl.Akademie van Wetenschappen*, Ser.B, v.88, no.4; 427-479. (1699).
- Verhoef,J. and E.J.Th.Duin, 1986. A 3-dimensional analysis of magnetic anomalies over fracture zones in the Cretaceous magnetic quiet zone (Madeira Abyssal Plain). *J.Geol.Soc.London*, v.143; 823-832. (1695).
- Verhoogen,J., 1973. Possible temperatures in the oceanic upper mantle and the formation of magma. *Geol.Soc.Am.Bull.*, v.84; 515-522. (238).
- Verosub,K.L. and E.M.Moores, 1985. Reply. *J.Geophys.Research*, v.90; 4652-4654. (1383).
- Vetter,U.R. and R.O.Meissner, 1977. Creep in geodynamic processes. *Tectonophysics*, v.42; 37-54. (639).
- Vidal,H., 1984. The Kola super-deep borehole SG-3 - First look at the deepest hole of the world. *GeoJournal*,v.9.4; 431-432. (1344).
- Vidal,H., 1985. Kola-SG-3, die tiefste Bohrung der Welt. *Geowissenschaften in unserer Zeit*,v.3; 52-57. (1475).
- Vilhjalmsson,J, J.Ingimarsson and G.Baldursson, 1989. Influence of changes in lifestyle on energy consumption in Iceland. 14th Congr.World Energy Conference, Montreal 17-22 Sept 1989, session 1.3; 1-21. (2067).
- Vine,F.J., 1966. Spreading of the ocean floor: New evidence. *Science*, v.154; 1405-1415. (446).

- Vine,F.J., 1977. The continental drift debate. *Nature*, v.266; 19-22. (571).
- Vine,F.J. and E.M.Moores, 1972. A model for the gross structure, petrology, and magnetic properties of oceanic crust. In: *Studies in Earth and Space Sciences* (ed.R.Shagam and others). *Geol.Soc.Am.Mem.*132; 195-205. (1266).
- Vink,G.E., 1984. A hotspot model for Iceland and the Vøring plateau. *J.Geophys.Research*, v.89; 9949-9959. (2023).
- Vinogradov,A.P., 1968. Geochemical problems in the evolution of the ocean. *Lithos*, v.1; 169-178. (258).
- Vinogradov,A.P., A.A.Yaroshevsky and N.P.Ilyin, 1971. A physico-chemical model of element separation in the differentiation of mantle material. *Phil.Trans.Roy.Soc.London A*, v.268; 409-421. (256).
- Vinogradov,A.P., L.V.Dmitriev and G.B.Udintsev, 1971. Distribution of trace elements in crystalline rocks of rift zones. *Phil.Trans.Roy.Soc.London A*, v.268; 487-491. (257).
- Visarion,M., S.Veliciu, P.Constantinescu and M.Stefanescu, 1978. Crustal temperature-depth profile across Romania derived from heat flow and other geophysical data. *Rev.Roum.GeoL.Géographie*, v.22; 33-38. (755).
- Vistelius,A.B., 1976. Mathematical geology and the progress of geological sciences. *J.Geol.*, v.84 (6); 629-651. (546).
- Vogt,P.R., 1971. Asthenospheric motion recorded by the ocean floor south of Iceland. *Earth Planet.Sci.Letters*, v.13; 153-160. (169).
- Vogt,P.R., 1972. Evidence for global synchronism in mantle plume convection, and possible significance for geology. *Nature*, v.240; 338-342. (166).
- Vogt,P.R., 1972. The Faeroe-Iceland-Greenland aseismic ridge and the western boundary undercurrent. *Nature*, v.239; 79-81. (167).
- Vogt,P.R. and G.L.Johnson, 1972. Seismic reflection survey of an oblique aseismic basement trend on the Reykjanes Ridge. *Earth Planet.Sci.Letters*, v.15; 248-254. (168).
- Vogt,P.R. and G.L.Johnson, 1973. A longitudinal seismic reflection profile of the Reykjanes Ridge: Part II - Implications for the mantle hot spot hypothesis. *Earth Planet.Sci.Letters*, v.18; 49-58. (202).
- Vogt,P.R. and G.L.Johnson, 1973. Magnetic telechemistry of oceanic crust?. *Nature*, v.245; 373-375. (452).
- Vogt,P.R., E.D.Schneider and G.L.Johnson, 1969. The crust and mantle beneath the sea. In: *The Earth's Crust and Upper Mantle* (ed.P.J.Hart). *Am.Geophys.Union, Geophys.Monograph* 13; 556-617. ().
- Vogt,P.R., N.A.Ostenso and G.L.Johnson, 1970. Magnetic and bathymetric data bearing on sea-floor spreading north of Iceland. *J.Geophys.Research*, v.75; 903-920. (170).
- Voight,B.. Restspannungen im Gestein. ; 45-50. (1599).
- Voight,B.. Beziehungen zwischen grossen horizontalen Spannungen im Gebirge und der Tektonik und der Abtragung. ; 51-56. (1600).

- Voight,B., 1966. Interpretation of in situ stress measurements. Proc.First Congress Intern.Soc.Rock Mechanics, v.III; 332-348. (981).
- Voight,B., 1969. Evolution of North Atlantic Ocean: relevance of rock-pressure measurements. In: North Atlantic-Geology and Continental Drift, Memoir 12, Am.Ass.Petr.Geol.; 955-962. (48).
- Voight,B., 1969. Tectonophysical implications of rock stress determinations. Geol.Rundschau, v.58; 655-676. (982).
- Voight,B., 1969. The state of stress in the upper part of the earth's crust: A discussion. Eng,Geol., v.3; . (983).
- Voight,B., 1974. A mechanism for "locking-in" orogenic stress. Am.J.Science, v.274; 662-665. (33).
- Voight,B., 1988. A method for prediction of volcanic eruptions. Nature, v.332; 125-130. (1806).
- Voight,B., R.Simon, T.Thorsteinsson, G.Pálmaskson, C.Taylor, S.H.Seret Opzoomer-Talma and B.C.Haimson, 1980. Rock stress in an Icelandic thermal area, with implications on stresses in the oceanic lithosphere. J.Geophysics, v.47; 176-183. (869).
- Voight,B., R.Simon, T.Thorsteinsson, G.Pálmaskson, C.Taylor, S.H.Seret, Opzoomer-Talma and B.C.Haimson, 1980. Rock stress in an Icelandic thermal area, with implications on stresses in the oceanic lithosphere. J.Geophys., v.47; 176-183. (1773).
- Von Herzen,R.P. and M.G.Langseth, 1966. Present status of oceanic heat-flow measurements. Physics and Chemistry of the Earth, v.6, Pergamon Press; 365-407. (676).
- Voppel,D. and R.Rudloff, 1980. On the evolution of the Reykjanes Ridge south of 60°N between 40 and 12 million years before present. J.Geophysics, v.47; 61-66. (855).
- Voppel,D., S.P.Srivastava and U.Fleischer, 1979. Detailed magnetic measurements south of the Iceland-Faroe Ridge. Deut.Hydrogr.Zeit., v.32; 154-172. (797).
- Waagstein,R. and J.Rasmussen, 1975. Glacial erratics from the sea floor south-east of the Faeroe Islands and the limits of glaciation. Fróðskaparrit (Annal.societ.scient.Færoensis), v.23; 101-119. (470).
- Walker,D.A., 1976. Yearly seismic energy release: World totals versus ridge system totals. Science, v.193; 886-888. (1245).
- Walker,G.P.L., 1060. Zeolite zones and dyke distribution in relation to the structure of the basalts in eastern Iceland. J.Geology, v.68; 515-528. (201).
- Walker,G.P.L., 1066. Acid volcanic rocks in Iceland. Bull.Volcanologique, v.29; 375-406. (205).
- Walker,G.P.L., 1959. Geology of the Reydarfjördur area, eastern Iceland. Quart.J.Geol.Soc.London, v.114; 367-391. (200).
- Walker,G.P.L., 1962. Tertiary welded tuffs in eastern Iceland. Quart.J.Geol.Soc.London, v.118; 275-293. (1108).

- Walker,G.P.L., 1963. The Breiddalur central volcano, eastern Iceland. Quart.J.Geol.Soc.London, v.119; 29-63. (208).
- Walker,G.P.L., 1964. Geological investigations in eastern Iceland. Bull.Volcanologique, v.27; 1-15. (207).
- Walker,G.P.L., 1965. Evidence of crustal drift from Icelandic geology. Phil.Trans.Roy.Soc., v.258; 199-204. (206).
- Walker,G.P.L., 1971. Vicosity control of the composition of ocean floor volcanics. Phil.Trans.Roy.Soc.Lond. A, v.268; 727-729. (204).
- Walker,G.P.L., 1972. Compound and simple lava flows and flood basalts. Bull.Volcanologique, v.35; 579-590. (203).
- Walker,G.P.L., 1974. The structure of eastern Iceland. In: Geodynamics of Iceland and the North Atlantic Area (ed.L.Kristjánsson). D.Reidel Publ.Co., Dordrecht-Holland; 177-188. () .
- Walker,G.P.L., 1975. Intrusive sheet swarms and the identity of Crustal Layer 3 in Iceland. Jl geol.Soc.London, v.131; 143-161. (330).
- Walker,G.P.L. and D.H.Blake, 1966. The formation of a palagonite breccia mass beneath a valley glacier in Iceland. Quart.J.Geol.Soc.London, v.122; 45-61. (1127).
- Walker,G.P.L. and I.S.E.Carmichael, 1962. Garronite, a new zeolita, from Ireland and Iceland. Mineral.Mag., v.33; 173-186. (1125).
- Walker,G.P.L. and I.S.E.Carmichael, 1962. Low-potash gismondine from Ireland and Iceland. Mineral.Mag., v.33; 187-201. (1126).
- Wang Hai, 1986. Plans and policies for energy development in the Autonomous Region of Tibet, China. Presented at an International Workshop in Thimbu, Bhutan, May 1986; 14 pp. (1527).
- Wang Ji-Yang, 1987. Mantle heat flow in North China Basin. Kexue Tongbao, v.32, No.24; 1697-1702. (1830).
- Wang Ji-Yang and Wang Ji-An, 1986. Heat flow measurements in Liaohe Basin, North China. Kexue Tongbao, v.31; 686-689. (1514).
- Wang Ji-Yang and Wang Ji-An, 1988. Thermal structure of the crust and upper mantle of the Liaohe Rift Basin, North China. Tectonophysics, v.145; 293-304. (1829).
- Wang Ji-Yang,Chen Mo-Xiang,Wang Ji-An and Deng Xiao, 1985. On the evolution of the geothermal regime of the North China Basin. J.Geodynamics, v.4; 133-148. (1512).
- Wang Ji-Yang et al., 1981. Geothermal studies in China. J.Volcanol.Geothe.Research, v.9; 57-76. (1510).
- Wang Ji-Yang et al, 1985. Analysis of factors affecting heat flow density determination in the Liaohe Basin, North China. Tectonophysics,v.121; 63-78. (1511).
- Wang Ji-Yang, Wang Ji-An, Huang Shaopeng, Zhang Wenren, Zhou Yuosong and Jin Xin, 1987. Heat flow measurements in Panzhihua-Xichang (Panxi) paleorift zone, SW China. Kexue Tongbao, v.32, No.8; 550-554. (1831).

- Ward,P.L., 1971. New interpretation of the geology of Iceland. Bull.Geol.Soc.Am., v.82; 2991-3012. (209).
- Ward,P.L., 1972. Microearthquakes: Prospecting tool and possible hazard in the development of geothermal sources. Geothermics, v.1; 3-12. (74).
- Ward,P.L. and K.H.Jacob, 1971. Microearthquakes in the Ahuachapan geothermal field, El Salvador, Central America. Science, v.173; 328-330. (1107).
- Ward,P.L. and S.Björnsson, 1971. Microearthquakes, swarms and the geothermal areas of Iceland. J.Geophys.Research, v.76; 3953-3982. (210).
- Ward,P.L., G.Pálmasón and C.Drake, 1969. Microearthquake survey and the Mid-Atlantic Ridge in Iceland. J.Geophys.Research, v.74; 665-684. (211).
- Ward,S.H., H.P.Ross and D.L.Nielson, 1981. Exploration strategy for high-temperature hydrothermal systems in Basin and Range Province. Am.Ass.Petr.Geol.Bull., v.; 86-102. (969).
- Watkins,N.D. and A.Richardson, 1968. Comments on the relationship between magnetic anomalies, crustal spreading and continental drift. Earth Planet.Sci.Letters, v.4; 257-264. (242).
- Watkins,N.D. and G.P.L.Walker, 1977. Magnetostratigraphy of eastern Iceland. Am.J.Science, v.227; 513-584. (664).
- Watkins,N.D., I.McDougall and L.Kristjansson, 1977. Upper Miocene and Pliocene geomagnetic secular variation in the Borgarfjördur area of western Iceland. Geophys.J.Roy.astr.Soc., v.49; 609-632. (930).
- Watson,K., 1973. Periodic heating of a layer over a semi-infinite solid. J.Geophys.Research, v.78; 5904-5910. (1943).
- Watson,K., 1975. Geologic applications of thermal infrared images. Proc.IEEE, Jan.1975; 128-137. (1953).
- Watts,A.B., 1978. An analysis of isostasy in the world's oceans 1.Hawaiian-Emperor seamount chain. J.Geophys.Research, v.83; 5989-6004. (1597).
- Watts,A.B., 1980. Plate tectonics: where is it going?. New Scientist, v.88; 360-363. (979).
- Watts,A.B., 1982. Tectonic subsidence, flexure and global changes of sea level. Nature, v.297; 469-474. (1179).
- Watts,A.B., 1983. The strength of the Earth's crust. Mar.Technol.Soc.Journal, v.17; 5-17. (1283).
- Watts,A.B. and J.R.Cochran, 1974. Gravity anomalies and flexure of the lithosphere along the Hawaiian-Emperor seamount chain. Geophys.J.Roy.astr.Soc., v.38; 119-141. (323).
- Watts,A.B. and N.M.Ribe, 1984. On geoid heights and flexure of the lithosphere at seamounts. J.Geophys.Research, v.89; 11152-11170. (1342).
- Watts,A.B., B.C.Schreiber and D.Habib, 1975. Dredged rocks from Hatton Bank, Rockall Plateau. Jl geol.Soc.Lond., v.131; 639-646. (600).

Watts,A.B.,J.R.Cochran,P.Patriat and M.Doucoure, 1985. A bathymetry and altimetry profile across the Southwest Indian Ridge crest at 31° S latitude. *Earth Planet.Sci.Letters*,v.73; 129-139. (1415).

Watts,A.B., M.Talwani and J.R.Cochran, 1976. Gravity field of the Northwest Pacific Ocean basin and its margin. In: *The Geophysics of the Pacific Ocean Basin and its Margin* (ed.). Am.Geophys.Union, *Geophys.Monograph* 19; 17-36. (605).

Weertman,J., 1973. Oceanic ridges, magma filled cracks and mantle plumes. *Geofis.Internacional*, v.13; 317-336. (1027).

Welke,H., S.Moorbach, G.L.Cummings and H.Sigurdsson, 1968. Lead isotope studies on igneous rocks from Iceland. *Earth Planet.Sci.Letters*, v.4; 221-231. (212).

Wendt,K.,D.Möller and B.Ritter, 1985. Geodetic measurements of surface deformations during the present rifting episode in NE Iceland. *J.Geophys.Research*, v.90; 10163-10172. (1454).

Wensink,H., 1964. Paleomagnetic stratigraphy of younger basalts and intercalated Plio-Pleistocene tillites in Iceland. *Geol.Rundschau*, v.54; 364-384. (213).

Wensink,H., 1973. Newer paleomagnetic results of the Deccan traps, India. *Tectonophysics*, v.17; 41-59. (303).

Weres,O., A.Yee and L.Tsao, 1982. Equations and type curves for predicting the polymerization of amorphous silica in geothermal brines. *Soc.Petr.Eng.J.*, v.22; 9-16. (1096).

Werner,D. and H.-G.Kahle, 1980. A geophysical study of the Rhinegraben - I. Kinematics and geothermics. *Geophys.J.Roy.astr.Soc.*, v.62; 617-630. (994).

Wernicke, B. and B.C.Burchfiel, 1982. Modes of extensional tectonics. *J.Struct.Geol.*, v.4; 105-115. (1677).

Wessel,P. and W.F.Haxby, 1990. Thermal stresses, differential subsidence, and flexure at oceanic fracture zones. *J.Geophys.Research*, v.95; 375-391. (2145).

Whitcomb,J.H., J.D.Garmany and D.L.Anderson, 1973. Earthquake prediction: variation of seismic velocities before the San Francisco earthquake. *Science*, v.180; 632-635. (235).

White,D.E., 1965. Geothermal energy. *Geological Survey Circular* 519, Washington; 17 pp. (2017).

White,D.E., 1968. Hydrology, Activity, and Heat Flow of the Steamboat Springs Thermal System, Washoe County, Nevada. *Geol.Survey Prof.Paper* 458-C, Washington, D.C.; 109 pp. (1123).

White,D.E., 1968. Hydrology, activity, and heat flow of the Steamboat Springs thermal system, Washoe County, Nevada. *USGS Professional Paper* 458-C, Washington,D.C.; 109 pp. (1568).

White,D.E., 1969. Rapid heat-flow surveying of geothermal areas utilizing individual snowfalls as calorimeters. *J.Geophys.Research*, v.74; 5191-5201. (603).

White,D.E., 1970. Geochemistry applied to the discovery, evaluation, and exploitation of geothermal energy resources. *Geothermics.Spec.Iss.2*, v.1; 58-80. (1467).

- White,D.E., 1973. Characteristics of geothermal resources. In:Geothermal Energy(ed.P.Kruger and C.Otte),Stanford Univ.Press; 69-94. (1465).
- White,D.E., 1978. Conductive heat flows in research drill holes in thermal areas of Yellowstone National Park, Wyoming. J.Research, U.S.Geol.Survey, v.6; 765-774. (1280).
- White,D.E., L.J.P.Muffler and A.H.Truesdell, 1971. Vapor-dominated hydrothermal systems compared with hot-water systems. Economic Geology, v.66; 75-97. (1124).
- White,D.E., R.O.Fournier, L.J.P.Muffler and A.H.Truesdell, 1975. Physical results of research drilling in thermal areas of Yellowstone National Park, Wyoming. Geol.Survey Prof.Paper 892, Washington, D.C.; 70 pp. (1252).
- White,D.E.,R.O.Fournier,L.J.P.Muffler and A.H.Truesdell, 1975. Physical results of research drilling in thermal areas of Yellowstone National Park, Wyoming. USGS Professional Paper 892, Washington,D.C.; 70 pp. (1569).
- White,R.S. and D.H.Matthews, 1980. Variations in oceanic upper crustal structure in a small area of the north-eastern Atlantic. Geophys.J.Roy.astr.Soc., v.61; 401-435. (936).
- White,R.S. and D.P.McKenzie, 1989. Volcanism at rifts. Sci.American, v. (July 89); 44-55. (2069).
- White,R.S. and R.A.Stephen, 1980. Compressional to shear wave conversion in oceanic crust. Geophys.J.Roy.astr.Soc., v.63; 547-565. (942).
- White,R.S., G.D.Spence, S.R.Fowler, D.P.McKenzie, G.K.Westbrook and A.N.Bowen, 1987. Magmatism at rifted continental margins. Nature, v.330; 439-444. (1760).
- White,R.S., G.K.Westbrook, S.R.Fowler, G.D.Spence, P.J.Barton, M.Joppen, J.Morgan, A.N.Bowen, C.Prescott and M.H.P.Bott, 1987. Hatton Bank (northwest U.K.) continental margin structure. Geophys.J.R.astr.Soc., v.89; 265-272. (1712).
- Whiticar,M.J., 1986. Stable isotope geochemistry in petroleum exploration,-an introduction-. (preprint), námskeið í Sourcerockgeologi, Rungstedgarden; . (1457).
- Whitmarsh,R.B., 1973. Median valley refraction line, Mid-Atlantic Ridge at 37°N. Nature, v.246; 297-299. (752).
- Whitmarsh,R.B., 1975. Axial intrusion zone beneath the median valley of the Mid-Atlantic Ridge at 37°N detected by explosion seismology. Geophys.J.Roy.astr.Soc., v.42; 189-215. (445).
- Whitmarsh,R.B., 1978. Seismic refraction studies of the upper igneous crust in the North Atlantic and porosity estimates for layer 2. Earth Planet.Sci.Letters, v.37; 451-464. (1962).
- Whitmarsh,R.B. and A.S.Laughton, 1976. A long-range sonar study of the Mid-Atlantic Ridge crest near 37°N (FAMOUS area) and its tectonic implications. Deep-Sea Research, v.23; 1005-1023. (562).
- Wilkinson,J.F.G., 1982. The genesis of mid-ocean ridge basalt. Earth Sci.Rev., v.18; 1-57. (1093).

- Williams,C.F.,T.N.Narasimhan,R.N.Anderson,M.D.Zoback and K.Becker, 1986. Convection in the oceanic crust: Simulation of observations from Deep Sea Drilling Project hole 504B, Costa Rica Rift. *J.Geophys.Research.*, v.91; 4877-4889. (1548).
- Williams,D.L., 1976. Submarine geothermal resources. *J.Volcanol.Geoth.Research.*, v.1; 85-100. (502).
- Williams,D.L., R.P.Von Herzen, J.G.Sclater and R.N.Anderson, 1974. The Galapagos spreading centre: Lithospheric cooling and hydrothermal circulation. *Geophys.J.Roy.astr.Soc.*, v.38; 587-608. (624).
- Williams Jr.R.S., 1969. Degradation of infrared caused by condensation. *Photogramm.Engineering*, Jan.1969; 72-78. (1950).
- Williams Jr.R.S. and J.D.Friedman, 1970. Satellite observation of effusive volcanism. *J.Brit.Interplanet.Soc.*, v.23; 441-450. (1949).
- Williams,R.S., 1969. Degradation of infrared caused by condensation. *Photogramm.Eng..* v. (Jan.); 72-78. () .
- Williams,R.S. and J.D.Friedman, 1970. Satellite observation of effusive volcanism. *J.Brit.Interplanet.Soc.*, v.23; 441-450. (1109).
- Williams,R.S.,Jr., 1983. Glaciers: Clues to Future Climate?. U.S.Dept.Interior/Geol.Survey.; 21 pp.. (1321).
- Williams, R.S. Jr., 1986. Icelandic-English glossary of selected geoscience terms. Handrit, kafli úr stærra verki; 16+3+6=25 pp. (1705).
- Williams,R.S.Jr, 1987. Satellite remote sensing of Vatnajökull, Iceland. *Annals of Glaciol.*, v.9; 127-135. (2053).
- Williams,R.S.Jr. and J.G.Moore, 1973. Iceland chills a lava flow. *Geotimes*, v.18, n.8; 14-17. (1826).
- Williams,R.S.Jr. and S.Thorarinsson, 1973. ERTS-1 image of the Vatnajökull area: general comments. *Jökull*, v.23; 1-6. () .
- Wilson, J.T., 1963. A possible origin of the Hawaiian Islands. *Canad.J.Physics*, v.41; 863-870. (1870).
- Wilson,R.L. and M.W.McElhinny, 1974. Investigation of the large scale palaeomagnetic field over the past 25 million years. Eastward shift of the Icelandic spreading ridge. *Geophys.J.Roy.astr.Soc.*, v.; . () .
- Wilson,R.L., N.D.Watkins, T.Einarsson, Th.Sigurgeirsson, S.E.Haggerty, P.J.Smith, P.Dagley and A.G.McCormack, 1972. Palaeomagnetism of ten lava sequences from south-western Iceland. *Geophys.J.Roy.astr.Soc.*, v.29; 459-471. (71).
- Winn,C.D.,D.M.Karl and G.J.Massoth, 1986. Microorganisms in deep-sea hydrothermal plumes. *Nature*,v.320; 744-746. (1577).
- Wittenberg, J.B., R.J.Morris, Q.H.Gibson and M.L.Jones, 1981. Hemoglobin kinetics of the Galápagos rift vent tube worm *Riftia pachyptila* Jones (pogonophora; vestimentifera). *Science*, v. 213; 344-346. (2125).

- Wolery,T.J. and N.H.Sleep, 1976. Hydrothermal circulation and geothermal flux at mid-ocean ridges. *The J. of Geology*, v.84; 249-275. (503).
- Wong, Po-zen, 1988. The statistical physics of sedimentary rock. *Physics today*, v.41, No.12; 24-32. (1977).
- Wood,D.A., 1976. Spatial and temporal variation in the trace element geochemistry of the eastern Iceland flood basalt succession. *J.Geophys.Research*, v.81; 4353-4360. ().
- Wood,D.A., 1981. Partial melting models for the petrogenesis of Reykjanes peninsula basalts, Iceland: Implications for the use of trace elements and strontium and neodymium isotope ratios to record inhomogeneities in the upper mantle. *Earth Planet.Sci.Letters*, v.52; 183-190. (992).
- Wood,R.M., 1980. Coming apart at the seams. *New Scientist*, v.85; 252-254. (980).
- Wood,R.M., 1980. Geology versus dogma: the Russian rift. *New Scientist*, 12 June 1980; 234-237. (1590).
- Wooding,R.A., 1957. Steady state free thermal convection of liquid in a saturated permeable medium. *J.Fluid Mech.*, v.2; 273-285. ().
- Woodward, D.J., 1972. Gravity anomalies in fiordland, South-West New Zealand. *N.Z.J.Geol.Geophysics*, v.15; 22-32. (1746).
- Woolard,G.P.. 1979. The new gravity system - changes in international gravity values and anomaly values. *Geophysics*, v.44; 1352-1366. (852).
- Wortel,M.J.R. and N.J.Vlaar, 1988. Subduction zone seismicity and the thermo-mechanical evolution of downgoing lithosphere. *PAGEOPH*, v.128; 625-659. (1957).
- Wu Fangzhi et al. (Editors), 1985. Research on the Yangbajain Geothermal Power Station. Publ.House Chongqing Branch for Scientific and Technical Document; 186 pp. (1508).
- Wyllie,P.J., 1988. Magma genesis, plate tectonics, and chemical differentiation of the Earth. *Rev.Geophysics*, v.26; 370-404. (1989).
- Xin Kuide and Yang Qilong, 1983. Geothermal energy development in China. Proc.Ninth Workshop Geoth.Res.Engg, Stanford Univ.,Dec 1983; 127-134. (1535).
- Xin Kuide and Zhang Xigen, 1982. Geothermal resources of China. *Geothermics*, v.11; 281-287. (1536).
- Xiong Liang-Ping,Zhang Ju-Ming and Sun Hui-Wen, 1985. Mathematical simulation of geotemperature and heat flow patterns. *J.Geodynamics*, v.4; 45-61. (1513).
- Xiong Liang-Ping, Zhang Ju-Ming and Sun Hui-Wen, 1985. Mathematical simulation of geotemperature and heat flow patterns. *J.Geodynamics*, v.4; 45-61. (1828).
- Yao Zujin, 1984. A discussion if Niangintanggula Rift exists from a view of Yangbajing geothermal field. Handrit; 19 pp. (1530).
- Yoder,H.S.,Jr., 1971. Petrologic implications of plate tectonics. *Science*, v.173; 464-466. (214).

Yoshii,T., T.Kono and K.Ito, 1976. Thickening of the oceanic lithosphere. In: The Geophysics of the Pacific Ocean Basin and Its Margin. Geophys.Monograph 19, AGU; 423-430. (690).

Young,K.D.,M.Jancin,B.Voight and N.I.Orkan, 1985. Transform deformation of Tertiary rocks along the Tjornes Fracture Zone, North Central Iceland. J.Geophys.Research, v.90; 9986-10010. (1442).

Yukhanjan,A.K., 1985. Zavisimost Vp voln vulkanitov Armenii pri visokikh davlenijakh ot stepeni ikh raskristallizashii i sostava. Izvestija Akad.Nauk Armjanskoi SSR. v.38, No.3: 69-74. (2003).

Zdarsky, H., 1987. Analytische Modelle fur die Horizontalverschiebungen wahrend der Rifteepisode des Krafla-Spaltenschwärms in Nordost-Island. Dipl. Arb., J.W.Goethe-Universität, Frankfurt am Main; 139 pp. (1703).

Zhang Zhenguo, 1986. Priority development areas of geothermal resources in China. U.N.Workshop Geoth.Energy Develop.Countries,Reykjavík,Sept.1986; 10 pp. (1534).

Zharkov,V.N. and V.A.Kalinin, 1968. The equation of state of solids at high pressure. Izv.,Acad.Sci.USSR, Nr.12 1968, Phys.Solid Earth, Engl.Ed. 1969; 723-731. (1886).

Ziegler,P.A., 1975. North Sea basin history in the tectonic framework of North-Western Europe. In:Petroleum and the Continental Shelf of Northwest Europe; the geology and the environment, v.1 (ed. A.W.Woodland), Applied Science Publishers; 131-148. (631).

Ziegler,P.A., 1977. Geology and hydrocarbon provinces of the North Sea. GeoJournal, v.1.1; 7-32. (632).

Ziegler,P.A., 1978. North-Western Europe: Tectonics and basin development. Geol. en Mijnbouw, v.57 (4); 589-626. (729).

Zielinski,G.W., 1977. Thermal history of the Norwegian-Greenland Sea and its rifted continental margin. Ph.D. thesis, Columbia University, N.Y.; 161 pp. (621).

Zobin,V.M., 1972. Focal mechanism of volcanic earthquakes. Bull.Volcanol., v.36 (4); 561-571. (613).

Zoëga,J., 1974. The district heating system in Reykjavík, Iceland. Erindi flutt í Klamath Falls; 20 pp. (1486).

Zoëga, J., 1975. Hot springs keep Reykjavík going. Island 75, Loftleiðir o.fl.; 29-34. (1767).

Zoëga,J. and G.Kristinsson, 1970. The Reykjavík District Heating System. First International Conference on District Heating, London 1970; 3-8. (1463).

Zolotarev,B.P., A.V.Likhov and D.M.Petchersky, 1988. Petromagnetic characteristics of gabbro xenoliths from Miocene tuffs of Iceland. Izv.A.N.USSR, ser. geological No.4; 27-37 (in Russian). (1838).

Zonenshain,L.P. and L.A.Savostin, 1981. Geodynamics of the Baikal rift zone and plate tectonics. Tectonophysics, v.76; 1-45. (1055).

Zuber, M.T., 1987. Compression og oceanic lithosphere: An analysis of intraplate deformation in the Central Indian Basin. J.Geophys.Research, v.92; 4817-4825. (1688).

Zuber,M.T. and E.M.Parmentier, 1986. Lithospheric necking: a dynamic model for rift morphology. Earth Planet.Sci.Letters,v.77; 373-383. (1580).

Zverev,S.M., 1970. Problems in seismic studies of the oceanic crust. Izv., Earth Physics, No.4, 1970 (English Ed.); 49-64. (612).

Zverev,S.M. and G.A.Yaroshevskaya, 1984. The nature of seismic boundaries in the uppermost crustal layers of Iceland and relation of seismic structure to geology and tectonics. Handrit; 37 pp. (1726).

Zverev,S.M. and I.V.Litvinenko, 1981. Sopostavlenie seismicheskikh dannikh o verknei chasti zemnoi kori islandii i baltiiskogo shchita. In: Geofisicheskie issledovaniya na baltiiskom shchite (ed.I.V.Litvinenko). Publ.Leningrad Mining Institute, v.89; 3-11. (1242).

Zverev,S.M., I.V.Litvinenko, G.Pálmasón, G.A.Yarochevskaya and N.N.Osokin, 1980. A seismic crustal study of the axial rift zone in southwest Iceland. J.Geophysics, v.47; 202-210. (1925).

Zverev,S.M., I.V.Litvinenko, G.Pálmasón, G.A.Yarochevskaya, N.N.Osokin and M.A.Akhmetjev, 1980. A seismic study of the rift zone in northeastern Iceland. J.Geophysics, v.47; 191-201. (1924).

Zverev,S.M., I.V.Litvinenko,M.D.Lizinskiy,N.I.Pavlenkova and G.A.Yaroshevskaya, 1985. Structure of the earth's crust in Iceland from seismological data. Acad.Sci.USSR (útgef.); 220 pp +2 figure sheets. () .

Zverev,S.M., S.A.Boldyrev, V.Yu.Bourmin and V.I.Mironova, 1978. Weak earthquakes in the northern part of the rift zone of Iceland. J.Geophysics, v.44; 283-296. (724).

Zverev,S.M., S.A.Boldyrev, V.Yu.Burmin and V.I.Mironova, 1976. Microearthquakes of northern Iceland. Izv., Earth Physics, No.10, 1976. Engl.Ed.:Izv.,Acad.Sci.USSR, Phys.Solid Earth, p.636-642; 22-32. (634).

Zyvoloski,G.A. and M.J.O'Sullivan, 1980. Simulation of a gas-dominated, two-phase geothermal reservoir. Soc.Petr.Eng.Journal, v.20; 52-58. (940).

Pórarinsson,S., 1973. Bréf til G.P.. ; 1 bls. (1761).

Pórarinsson,S., 1984. Nornahár I.Brot úr rannsóknarsögu. Náttúrufræðingurinn,v.53; 127-134. (1386).

Pórhallsson,Á., 1978. Heimsókn í ylræktarstöð. Morgunblaðið,1.des.1978; 1 p. (1601).

Porkelsson, P., 1920. Um jarðhita á Íslandi. Tímarit V.F.Í., v.5; 17-25. (1660).

Porkelsson, P., 1927. Afl hvera og lauga hjer á landi. Tímarit V.F.Í., v.12; 41-43. (1661).

Porkelsson, P., 1928. Jarðborun við hvera í Californíu. Tímarit V.F.Í., v.13; 31-32. (1662).

Porkelsson, P., 1940. Um jarðhita og boranir. Tímarit V.F.Í., v.25; 53-58. (1669).

Porkelsson, P., 1941. Um hveragos. Tímarit V.F.Í., v.26; 44-49. (1671).

Porkelsson, P., 1942. Enn um hverarannsóknir mínar. Tímarit V.F.Í., v.27; 1-7. (1672).

Porkelsson, P., 1942. Enn um hverarannsóknir mínar. Tímarit V.F.Í., v.27; 9-14. (1673).

Þorláksson, J., 1926. Hitaveita Reykjavíkur. Tímarit V.F.Í., v.11; 41-44. (1665).