Hans Thybo

List of Publications by Year
in descending order

216 papers	9,321 citations	30070 54 h-index	56724 83 g-index
248 all docs	248 docs citations	248 times ranked	3671 citing authors

#	Article	IF	Citations
1	Moho and magmatic underplating in continental lithosphere. Tectonophysics, 2013, 609, 605-619.	2.2	303
2	Evidence for early Proterozoic plate tectonics from seismic reflection profiles in the Baltic shield. Nature, 1990, 348, 34-38.	27.8	274
3	The Seismic 8Â Discontinuity and Partial Melting in Continental Mantle. Science, 1997, 275, 1626-1629.	12.6	238
4	Palaeozoic amalgamation of Central Europe: new results from recent geological and geophysical investigations. Tectonophysics, 2002, 360, 5-21.	2.2	186
5	Magma-compensated crustal thinning in continental rift zones. Nature, 2009, 457, 873-876.	27.8	182
6	Crustal velocity structure across the Main Ethiopian Rift: results from two-dimensional wide-angle seismic modelling. Geophysical Journal International, 2005, 162, 994-1006.	2.4	179
7	The GGT/SVEKA Transect: Structure and Evolution of the Continental Crust in the Paleoproterozoic Svecofennian Orogen in Finland. International Geology Review, 1999, 41, 287-333.	2.1	172
8	The heterogeneous upper mantle low velocity zone. Tectonophysics, 2006, 416, 53-79.	2.2	162
9	Integrated Seismic Studies of the Baltic Shield Using Data In the Gulf of Bothnia Region. Geophysical Journal International, 1993, 112, 305-324.	2.4	137
10	TOPO-EUROPE: The geoscience of coupled deep Earth-surface processes. Global and Planetary Change, 2007, 58, 1-118.	3.5	137
11	POLONAISE '97 â€" an international seismic experiment between Precambrian and Variscan Europe in Poland. Tectonophysics, 1999, 314, 101-121.	2.2	133
12	EUNAseis: A seismic model for Moho and crustal structure in Europe, Greenland, and the North Atlantic region. Tectonophysics, 2013, 609, 97-153.	2.2	132
13	Cenozoic uplift and subsidence in the North Atlantic region: Geological evidence revisited. Tectonophysics, 2009, 474, 78-105.	2.2	129
14	Crustal structure of the Trans-European suture zone region along POLONAISE'97 seismic profile P4. Journal of Geophysical Research, 2003, 108, .	3.3	117
15	Crustal and uppermost mantle structure of the Bohemian Massif based on CELEBRATION 2000 data. Journal of Geophysical Research, 2005, 110, .	3.3	107
16	The influence of pre-existing structures on the evolution of the southern Kenya Rift Valley â€" evidence from seismic and gravity studies. Tectonophysics, 1997, 278, 211-242.	2.2	106
17	Crustal structure of the northern Main Ethiopian Rift from the EAGLE controlled-source survey; a snapshot of incipient lithospheric break-up. Geological Society Special Publication, 2006, 259, 269-292.	1.3	101
18	MONA LISA â€" Deep seismic investigations of the lithosphere in the southeastern North Sea. Tectonophysics, 1997, 269, 1-19.	2.2	99

#	Article	IF	Citations
19	Crustal structure of the Siberian craton and the West Siberian basin: An appraisal of existing seismic data. Tectonophysics, 2013, 609, 154-183.	2.2	98
20	Geophysical characteristics of the Tornquist Fan area, northwest Trans-European Suture Zone: indication of late Carboniferous to early Permian dextral transtension. Geological Magazine, 1997, 134, 597-606.	1.5	97
21	Seismic structure across the Caledonian Deformation Front along MONA LISA profile 1 in the southeastern North Sea. Tectonophysics, 1998, 288, 153-176.	2.2	97
22	An integrated study of the NE German Basin. Tectonophysics, 1999, 314, 285-307.	2.2	97
23	Crustal structure along the Central Segment of the EGT from seismic-refraction studies. Tectonophysics, 1992, 207, 43-64.	2.2	95
24	Caveats on tomographic images. Terra Nova, 2013, 25, 259-281.	2.1	94
25	Crustal structure due to collisional and escape tectonics in the Eastern Alps region based on profiles Alp01 and Alp02 from the ALP 2002 seismic experiment. Journal of Geophysical Research, 2007, 112, .	3.3	92
26	Large-scale variation in lithospheric structure along and across the Kenya rift. Nature, 1991, 354, 223-227.	27.8	91
27	Crustal and upper mantle structure of the Western Carpathians from CELEBRATION 2000 profiles CEL01 and CEL04: seismic models and geological implications. Geophysical Journal International, 2006, 167, 737-760.	2.4	91
28	Special Contribution: CELEBRATION 2000 Seismic Experiment. Studia Geophysica Et Geodaetica, 2003, 47, 659-669.	0.5	88
29	Crustal structure along the EGT profile across the Tornquist Fan interpreted from seismic, gravity and magnetic data. Tectonophysics, 2001, 334, 155-190.	2.2	86
30	EUROBRIDGE: new insight into the geodynamic evolution of the East European Craton. Geological Society Memoir, 2006, 32, 599-625.	1.7	84
31	Seismic tomographic imaging ofP- andS-waves velocity perturbations in the upper mantle beneath Iran. Geophysical Journal International, 2007, 169, 1089-1102.	2.4	80
32	Crustal structure across the TESZ along POLONAISE'97 seismic profile P2 in NW Poland. Tectonophysics, 2002, 360, 129-152.	2.2	78
33	Crustal-scale pop-up structure in cratonic lithosphere: DOBRE deep seismic reflection study of the Donbas fold belt, Ukraine. Geology, 2003, 31, 733.	4.4	78
34	Seismic images of Caledonian, lithosphere-scale collision structures in the southeastern North Sea along Mona Lisa Profile 2. Tectonophysics, 2000, 317, 27-54.	2.2	77
35	Moho depth and crustal composition in Southern Africa. Tectonophysics, 2013, 609, 267-287.	2.2	77
36	Heat production in granitic rocks: Global analysis based on a new data compilation GRANITE2017. Earth-Science Reviews, 2017, 172, 1-26.	9.1	77

#	Article	IF	Citations
37	Delineation and character of the Archaean-Proterozoic boundary in northern Sweden. Precambrian Research, 1993, 64, 67-84.	2.7	75
38	Proterozoic sutures and terranes in the southeastern Baltic Shield interpreted from BABEL deep seismic data. Tectonophysics, 1997, 270, 259-277.	2.2	75
39	Crustal structure and active tectonics in the Eastern Alps. Tectonics, 2010, 29, n/a-n/a.	2.8	75
40	Sharp contrast in lithospheric structure across the Sorgenfreiâ€“Tornquist Zone as inferred by Rayleigh wave analysis of TOR1 project data. Tectonophysics, 2002, 360, 75-88.	2.2	74
41	â€œDOBREfraction'99â€â€”velocity model of the crust and upper mantle beneath the Donbas Foldbelt (East) Tj ETQq1 1 0.784314 rgB	2.2	72
42	The southern margin of the East European Craton: new results from seismic sounding and potential fields between the North Sea and Poland. Tectonophysics, 2002, 360, 301-314.	2.2	70
43	Deep Europe today: geophysical synthesis of the upper mantle structure and lithospheric processes over 3.5 Ga. Geological Society Memoir, 2006, 32, 11-41.	1.7	68
44	Lower lithospheric structure beneath the Trans-European Suture Zone from POLONAISE'97 seismic profiles. Tectonophysics, 2002, 360, 153-168.	2.2	67
45	Application of stacking and inversion techniques to three-dimensional wide-angle reflection and refraction seismic data of the Eastern Alps. Geophysical Journal International, 2007, 170, 275-298.	2.4	67
46	Summary of project TOR: delineation of a stepwise, sharp, deep lithosphere transition across Germanyâ€“Denmarkâ€“Sweden. Tectonophysics, 2002, 360, 61-73.	2.2	66
47	Lithospheric structure of the Tornquist Zone resolved by nonlinear P and S teleseismic tomography along the TOR array. Tectonophysics, 2006, 416, 133-149.	2.2	66
48	New Moho Map for onshore southern Norway. Geophysical Journal International, 2009, 178, 1755-1765.	2.4	65
49	Weakly coupled lithospheric extension in southern Tibet. Earth and Planetary Science Letters, 2015, 430, 171-177.	4.4	65
50	Seismic reflectivity and magmatic underplating beneath the Kenya Rift. Geophysical Research Letters, 2000, 27, 2745-2748.	4.0	64
51	Upper lithospheric seismic velocity structure across the Pripyat Trough and the Ukrainian Shield along the EUROBRIDGE'97 profile. Tectonophysics, 2003, 371, 41-79.	2.2	62
52	Seismic velocity structure across the Fennoscandiaâ€“Sarmatia suture of the East European Craton beneath the EUROBRIDGE profile through Lithuania and Belarus. Tectonophysics, 1999, 314, 193-217.	2.2	60
53	Non-linear body wave teleseismic tomography along the TOR array. Geophysical Journal International, 2002, 148, 562-574.	2.4	58
54	Regional geological and tectonic structures of the North Sea area from potential field modelling. Tectonophysics, 2006, 413, 147-170.	2.2	58

#	Article	IF	Citations
55	Seismic anisotropy of the lithosphere around the Trans-European Suture Zone (TESZ) based on teleseismic body-wave data of the TOR experiment. Tectonophysics, 2002, 360, 89-114.	2.2	56
56	A new model of upper mantle P-wave velocity below the Baltic Shield: indication of partial melt in the 95 to 160 km depth range. Tectonophysics, 1996, 253, 227-245.	2.2	55
57	Seismic structure of the Palaeozoic Platform along POLONAISE'97 profile P1 in northwestern Poland. Tectonophysics, 1999, 314, 123-143.	2.2	55
58	Crustal structure on the northeastern flank of the Kenya rift. Tectonophysics, 1994, 236, 271-290.	2.2	54
59	Receiver function analysis of the crust and upper mantle from the North German Basin to the Archaean Baltic Shield. Geophysical Journal International, 2003, 155, 641-652.	2.4	54
60	The deep structure of the Scandes and its relation to tectonic history and present-day topography. Tectonophysics, 2013, 602, 15-37.	2.2	54
61	Deep seismic survey images crustal structure of Tornquist Zone beneath southern Baltic Sea. Geophysical Research Letters, 1991, 18, 1091-1094.	4.0	52
62	Special Contribution: An Overview of Recent Seismic Refraction Experiments in Central Europe. Studia Geophysica Et Geodaetica, 2003, 47, 651-657.	0.5	52
63	Seismic velocity model of the crust and upper mantle along profile PANCAKE across the Carpathians between the Pannonian Basin and the East European Craton. Tectonophysics, 2013, 608, 1049-1072.	2.2	51
64	Geophysical evidence for Early Permian igneous activity in a transtensional environment, Denmark. Tectonophysics, 1991, 189, 193-208.	2.2	50
65	P- and S-wave velocity model of the southwestern margin of the Precambrian East European Craton; POLONAISE'97, profile P3. Tectonophysics, 1999, 314, 175-192.	2.2	50
66	A synthesis of <scp>C</scp>enozoic sedimentation in the <scp>N</scp>orth <scp>S</scp>ea. Basin Research, 2012, 24, 154-179.	2.7	50
67	Major crustal features between the Harz Mountains and the Baltic Shield derived from receiver functions. Tectonophysics, 1999, 314, 321-333.	2.2	49
68	Special Contribution: ALP 2002 Seismic Experiment. Studia Geophysica Et Geodaetica, 2003, 47, 671-679.	0.5	49
69	Three-dimensional crustal structure beneath the TOR array and effects on teleseismic wavefronts. Tectonophysics, 1999, 314, 309-319.	2.2	48
70	Potential field imaging of Palaeozoic orogenic structure in northern and central Europe. Tectonophysics, 2002, 360, 23-45.	2.2	47
71	Upper-mantle structure beneath the Southern Scandes Mountains and the Northern Tornquist Zone revealed by P-wave traveltime tomography. Geophysical Journal International, 2012, 189, 1315-1334.	2.4	47
72	East Avalonia, the third partner in the Caledonian collisions: evidence from deep seismic reflection data. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1994, 83, 186-196.	1.3	46

#	Article	IF	Citations
73	Seismic evidence of Caledonian deformed crust and uppermost mantle structures in the northern part of the Trans-European Suture Zone, SW Baltic Sea. Tectonophysics, 2002, 360, 215-244.	2.2	46
74	Relating Cenozoic North Sea sediments to topography in southern Norway: The interplay between tectonics and climate. Earth and Planetary Science Letters, 2010, 300, 19-32.	4.4	45
75	Seismic structure and composition of the crust beneath the southern Scandes, Norway. Tectonophysics, 2011, 502, 364-382.	2.2	45
76	Closure of the Tornquist sea: Constraints from MONA LISA deep seismic reflection data. Geology, 1997, 25, 1071-1074.	4.4	44
77	Crustal structure and tectonic evolution of the Tornquist Fan region as revealed by geophysical methods. Bulletin of the Geological Society of Denmark, 1999, 46, 145-160.	1.1	44
78	Important findings expected from Europe's largest seismic array. Eos, 1999, 80, 1.	0.1	42
79	Seismic tomographic inversion of Russian PNE data along profile Kraton. Geophysical Research Letters, 1999, 26, 3413-3416.	4.0	42
80	Origin of the regional stress in the North German basin: results from numerical modelling. Tectonophysics, 2002, 360, 245-264.	2.2	41
81	Miocene uplift of the NE Greenland margin linked to plate tectonics: Seismic evidence from the Greenland Fracture Zone, NE Atlantic. Tectonics, 2016, 35, 257-282.	2.8	41
82	The stress field below the NE German Basin: effects induced by the Alpine collision. Geophysical Journal International, 2001, 144, F8-F12.	2.4	40
83	100 years of seismic research on the Moho. Tectonophysics, 2013, 609, 9-44.	2.2	40
84	Rifting and lower crustal reflectivity: A case study of the intracratonic Dnieprâ€Donets rift zone, Ukraine. Journal of Geophysical Research, 2007, 112, .	3.3	39
85	No Moho uplift below the Baikal Rift Zone: Evidence from a seismic refraction profile across southern Lake Baikal. Journal of Geophysical Research, 2009, 114, .	3.3	39
86	Seismic model of the crust and upper mantle in the Scythian Platform: the DOBRE-5 profile across the north western Black Sea and the Crimean Peninsula. Geophysical Journal International, 2015, 201, 406-428.	2.4	39
87	Crustal structure of the Eastern Alps and their foreland: seismic model beneath the CEL10/Alp04 profile and tectonic implications. Geophysical Journal International, 2009, 177, 279-295.	2.4	38
88	Lower crustal intrusions beneath the southern Baikal Rift Zone: Evidence from full-waveform modelling of wide-angle seismic data. Tectonophysics, 2009, 470, 298-318.	2.2	38
89	New map compiled of Europe's gravity field. Eos, 1998, 79, 437-437.	0.1	37
90	MAGNUS--A Seismological Broadband Experiment to Resolve Crustal and Upper Mantle Structure beneath the Southern Scandes Mountains in Norway. Seismological Research Letters, 2010, 81, 76-84.	1.9	37

#	Article	IF	Citations
91	Moho topography and lower crustal wide-angle reflectivity around the TESZ in southern Scandinavia and northeastern Europe. Tectonophysics, 2002, 360, 187-213.	2.2	36
92	The legacy of the NE German Basin â€" reactivation by compressional buckling. Terra Nova, 2000, 12, 132.	2.1	36
93	Crustal structure along the west flank of the Cascades, western Washington. Journal of Geophysical Research, 1997, 102, 17857-17873.	3.3	35
94	Implications of seismic scattering below the 8Â° discontinuity along PNE profile Kraton. Tectonophysics, 2002, 358, 135-150.	2.2	35
95	Seismic crustal structure of the North China Craton and surrounding area: Synthesis and analysis. Journal of Geophysical Research: Solid Earth, 2017, 122, 5181-5207.	3.4	35
96	Upper mantle structure beneath southern African cratons from seismic finite-frequency P- and S-body wave tomography. Earth and Planetary Science Letters, 2015, 420, 174-186.	4.4	34
97	Deep Norden: Highlights of the lithospheric structure of Northern Europe, Iceland, and Greenland. Episodes, 2008, 31, 98-106.	1.2	34
98	Origin of upper-mantle seismic scattering - evidence from Russian peaceful nuclear explosion data. Geophysical Journal International, 2003, 154, 196-204.	2.4	33
99	Neoproterozoic and Palaeozoic evolution of SW Scandinavia based on integrated seismic interpretation. Precambrian Research, 2012, 204-205, 75-104.	2.7	32
100	Anisotropy across the Sorgenfreiâ€"Tornquist Zone from shear wave splitting. Tectonophysics, 1999, 314, 335-350.	2.2	31
101	Seismic and gravity modelling of crustal structure in the Central Graben, North Sea. Observations along MONA LISA profile 3. Tectonophysics, 2000, 328, 229-244.	2.2	31
102	Three-dimensional seismic modelling of crustal structure in the TESZ region based on POLONAISE'97 data. Tectonophysics, 2002, 360, 169-185.	2.2	31
103	A new tectonic model for the Laurentiaâˆ'Avaloniaâˆ'Baltica sutures in the North Sea: A case study along MONA LISA profile 3. Tectonophysics, 2007, 429, 201-227.	2.2	30
104	Power Spectra Analysis of Aeromagnetic Data and KTB Susceptibility Logs, and their Implication for Fractal Behavior of Crustal Magnetization. Pure and Applied Geophysics, 1998, 151, 147-159.	1.9	29
105	Crustal structure variation from the Precambrian to Palaeozoic platforms in Europe imaged by the inversion of teleseismic receiver functions-project TOR. Geophysical Journal International, 2002, 150, 261-270.	2.4	29
106	The origin of teleseismicPnwaves: Multiple crustal scattering of upper mantle whispering gallery phases. Journal of Geophysical Research, 2003, 108, .	3.3	29
107	Receiver function analysis of the crust and upper mantle in Fennoscandia â€" isostatic implications. Earth and Planetary Science Letters, 2013, 381, 234-246.	4.4	29
108	Mesozoic(?) lithosphere-scale buckling of the East European Craton in southern Ukraine: DOBRE-4 deep seismic profile. Geophysical Journal International, 2013, 195, 740-766.	2.4	29

#	Article	IF	Citations
109	Sensitivity analysis of crustal correction for calculation of lithospheric mantle density from gravity data. Geophysical Journal International, 2016, 204, 687-696.	2.4	29
110	Crustal structure at the SE Greenland margin from wide-angle and normal incidence seismic data. Tectonophysics, 1998, 288, 191-198.	2.2	28
111	Tomographic inversion of seismic P- and S-wave velocities from the Baltic Shield based on FENNOLORA data. Tectonophysics, 2002, 358, 151-174.	2.2	28
112	Stochastic velocity inversion of seismic reflection/refraction traveltime data for rift structure of the southwest Barents Sea. Tectonophysics, 2013, 593, 135-150.	2.2	28
113	Interpretation in statu nascendi of seismic wide-angle reflections based on EUGENO-S data. Tectonophysics, 1998, 289, 281-294.	2.2	27
114	Reflection seismic evidence for Caledonian deformed sediments above Sveconorwegian basement in the southwestern Baltic Sea. Tectonics, 2001, 20, 268-276.	2.8	27
115	Lower crustal high-velocity bodies along North Atlantic passive margins, and their link to Caledonian suture zone eclogites and Early Cenozoic magmatism. Tectonophysics, 2016, 670, 16-29.	2.2	27
116	Crustal velocity structure across the Tornquist and Iapetus Suture Zones â€" a comparison based on MONA LISA and VARNET data. Tectonophysics, 1999, 314, 69-82.	2.2	26
117	Upper crustal seismic structure of the Mazury complex and Mazowsze massif within East European Craton in NE Poland. Tectonophysics, 2002, 360, 115-128.	2.2	26
118	East Greenland Ridge in the North Atlantic Ocean: An integrated geophysical study of a continental sliver in a boundary transform fault setting. Journal of Geophysical Research, 2008, 113, .	3.3	26
119	Crustal structure and composition of the Oslo Graben, Norway. Earth and Planetary Science Letters, 2011, 304, 431-442.	4.4	25
120	Some remarks on the structure and geodynamics of the Kenya Rift. Tectonophysics, 1992, 213, 257-268.	2.2	24
121	Seismic scattering at the top of the mantle Transition Zone. Earth and Planetary Science Letters, 2003, 216, 259-269.	4.4	24
122	Seismic velocity model of the crust and uppermost mantle around the Mirnyi kimberlite field in Siberia. Tectonophysics, 2006, 420, 49-73.	2.2	24
123	Seismic reflections from the near-vertical San Andreas Fault. Geophysical Research Letters, 1996, 23, 237-240.	4.0	23
124	Constraints on seismic velocity anomalies beneath the Siberian craton from xenoliths and petrophysics. Tectonophysics, 2006, 425, 123-135.	2.2	23
125	Potential field modelling of the Balticaâ€"Avalonia (Thorâ€"Tornquist) suture beneath the southern North Sea. Tectonophysics, 2002, 360, 47-60.	2.2	22
126	Identification of crustal and upper mantle heterogeneity by modelling of controlled-source seismic data. Tectonophysics, 2006, 416, 209-228.	2.2	22

#	Article	IF	Citations
127	Interwedging and inversion structures around the trans-European suture zone in the Baltic Sea, a manifestation of compressive tectonic phases. Tectonophysics, 2002, 360, 265-280.	2.2	21
128	Seismic experiment spreads across poland. Eos, 1998, 79, 302-302.	0.1	20
129	Random heterogeneity of the lithosphere across the Trans-European Suture Zone. Geophysical Journal International, 2000, 141, 57-70.	2.4	20
130	Intraplate earthquakes and a seismically defined lateral transition in the upper mantle. Geophysical Research Letters, 2000, 27, 3953-3956.	4.0	20
131	Integrated seismic analysis of the Chalk Group in eastern Denmarkâ€"Implications for estimates of maximum palaeo-burial in southwest Scandinavia. Tectonophysics, 2011, 511, 14-26.	2.2	20
132	Isopycnicity of cratonic mantle restricted to kimberlite provinces. Earth and Planetary Science Letters, 2019, 505, 13-19.	4.4	20
133	Regional and teleseismic events recorded across the TESZ during POLONAISE'97. Tectonophysics, 1999, 314, 161-174.	2.2	19
134	Explosion seismic reflections from the Earthâ€™s core. Earth and Planetary Science Letters, 2003, 216, 693-702.	4.4	19
135	Seismic velocity structure of a large mafic intrusion in the crust of central Denmark from project ESTRID. Tectonophysics, 2006, 420, 105-122.	2.2	19
136	Seismic constraints on a large mafic intrusion with implications for the subsidence history of the Danish Basin. Journal of Geophysical Research, 2008, 113, .	3.3	19
137	Crustal structure across the MÃ¸re margin, mid-Norway, from wide-angle seismic and gravity data. Tectonophysics, 2014, 626, 21-40.	2.2	19
138	No mafic layer in 80 km thick Tibetan crust. Nature Communications, 2021, 12, 1069.	12.8	19
139	Pre-Zechstein structures around the MONA LISA deep seismic lines in the southern Horn Graben area. Bulletin of the Geological Society of Denmark, 1999, 45, 99-116.	1.1	19
140	Pre-Zechstein geology of the south-east North Sea, offshore Denmark-a geophysical perspective. First Break, 1997, 15, 387-395.	0.4	18
141	The Tornquist Zone, a north east inclining lithospheric transition at the south western margin of the Baltic Shield: Revealed through a nonlinear teleseismic tomographic inversion. Tectonophysics, 2006, 416, 151-166.	2.2	18
142	Calculation of residual gravity anomalies in Northern Jutland, Denmark. First Break, 1996, 14, .	0.4	18
143	Azimuthal variation of Pg velocity in the Moldanubian, Czech Republic: observations based on a multi-azimuthal common-shot experiment. Tectonophysics, 2004, 387, 189-203.	2.2	17
144	Gravity signals from the lithosphere in the Central European Basin System. Tectonophysics, 2007, 429, 133-163.	2.2	17

#	Article	IF	Citations
145	Moho:. Tectonophysics, 2013, 609, 1-8.	2.2	17
146	Mantle temperature as a control on the time scale of thermal evolution of extensional basins. Earth and Planetary Science Letters, 2015, 409, 61-70.	4.4	17
147	Crustal composition of the MÃ¸re Margin and compilation of a conjugate Atlantic margin transect. Tectonophysics, 2016, 666, 144-157.	2.2	17
148	Processes of lithosphere evolution: new evidence on the structure of the continental crust and uppermost mantle. Tectonophysics, 2002, 358, 1-15.	2.2	16
149	TeleseismicPnarrivals: influence of mantle velocity gradient and crustal scattering. Geophysical Journal International, 2003, 152, F1-F7.	2.4	16
150	Reflection seismic profiles of the core-mantle boundary. Journal of Geophysical Research, 2004, 109, .	3.3	16
151	Deep seismic investigation of crustal extensional structures in the Danish Basin along the ESTRID-2 profile. Geophysical Journal International, 2008, 173, 623-641.	2.4	16
152	Lithospheric structure along wide-angle seismic profile GEORIFT 2013 in Pripyatâ€“Dnieperâ€“Donets Basin (Belarus and Ukraine). Geophysical Journal International, 2018, 212, 1932-1962.	2.4	16
153	Lithosphere Mantle Density of the North China Craton. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020296.	3.4	16
154	Kenya rift international seismic project, 1989-1990 experiment. Eos, 1992, 73, 345-345.	0.1	15
155	Constraints on reflective bodies below the 8Â° discontinuity from reflectivity modelling. Geophysical Journal International, 2001, 145, 759-770.	2.4	15
156	Control on off-rift magmatism: A case study of the Baikal Rift Zone. Earth and Planetary Science Letters, 2018, 482, 501-509.	4.4	15
157	The crustal structure in the transition zone between the western and eastern Barents Sea. Geophysical Journal International, 2018, 214, 315-330.	2.4	14
158	Layered crustâ€“mantle transition zone below a large crustal intrusion in the Norwegianâ€“Danish Basin. Tectonophysics, 2009, 472, 194-212.	2.2	13
159	DOBRE-2 WARR profile: the Earth's upper crust across Crimea between the Azov Massif and the northeastern Black Sea. Geological Society Special Publication, 2017, 428, 199-220.	1.3	13
160	Crustal density structure of the northwestern Iranian Plateau. Canadian Journal of Earth Sciences, 2019, 56, 1347-1365.	1.3	13
161	Seismic velocity structure of crustal intrusions in the Danish Basin. Tectonophysics, 2012, 572-573, 64-75.	2.2	12
162	Two Reflectors in the 400 Km Depth Range Revealed from Peaceful Nuclear Explosion Seismic Sections. , 1997, , 97-103.		12

#	Article	IF	Citations
163	Seismic evidence for Late Proterozoic orogenic structures below the Phanerozoic sedimentary cover in the Kattegat area, SW Scandinavia. Tectonics, 2004, 23, n/a-n/a.	2.8	11
164	Seismic tomographic interpretation of Paleozoic sedimentary sequences in the southeastern North Sea. Geophysics, 2005, 70, R45-R56.	2.6	11
165	Emplacement and 3D geometry of crustal-scale saucer-shaped intrusions in the Fennoscandian Shield. Scientific Reports, 2019, 9, 10498.	3.3	11
166	The Mantle Transition Zone in Fennoscandia: Enigmatic High Topography Without Deep Mantle Thermal Anomaly. Geophysical Research Letters, 2019, 46, 3652-3662.	4.0	10
167	Coupled Lithospheric Deformation in the Qinling Orogen, Central China: Insights From Seismic Reflection and Surfaceâ€Wave Tomography. Geophysical Research Letters, 2022, 49, .	4.0	10
168	Deep seismic sounding in the Turkana depression, northern Kenya Rift. Tectonophysics, 1994, 236, 165-178.	2.2	9
169	Fault detection from back-scattered energy in MONA LISA wide-angle seismic sections from the south-eastern North Sea. First Break, 1998, 16, 119-126.	0.4	9
170	Location of the Carlsberg Fault zone from seismic controlled-source fan recordings. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	9
171	Geophysical constraints on geodynamic processes at convergent margins: A global perspective. Gondwana Research, 2016, 33, 4-23.	6.0	9
172	Mantle transition zone beneath central-eastern Greenland: Possible evidence for a deep tectosphere from receiver functions. Tectonophysics, 2018, 728-729, 34-40.	2.2	9
173	Continent size revisited: Geophysical evidence for West Antarctica as a back-arc system. Earth-Science Reviews, 2020, 202, 103106.	9.1	9
174	ScanArrayâ€"A Broadband Seismological Experiment in the Baltic Shield. Seismological Research Letters, 2021, 92, 2811-2823.	1.9	9
175	Basement structure in the southern North Sea, offshore Denmark, based on seismic interpretation. Geological Society Special Publication, 2002, 201, 311-326.	1.3	8
176	Integrated seismic interpretation of the Carlsberg Fault zone, Copenhagen, Denmark. Geophysical Journal International, 2005, 162, 461-478.	2.4	8
177	Test of the upper mantle low velocity layer in Siberia with surface waves. Tectonophysics, 2006, 416, 113-131.	2.2	8
178	Southern Africa crustal anisotropy reveals coupled crust-mantle evolution for over 2 billion years. Nature Communications, 2019, 10, 5445.	12.8	8
179	What Lies Deep in the Mantle Below?. Eos, 2015, 96, .	0.1	8
180	The lithospheric structure of the Kenya Rift as revealed by wide-angle seismic measurements. Geological Society Special Publication, 1999, 164, 257-269.	1.3	7

#	Article	IF	Citations
181	The legacy of the NE German Basin â€" reactivation by compressional buckling. Terra Nova, 2000, 12, 132-140.	2.1	7
182	Physical differences in the deep lithosphere of Northern and Central Europe. Geological Society Memoir, 2006, 32, 313-322.	1.7	7
183	New Insights Into the Lithospheric Structure of Southern Norway. Eos, 2008, 89, 554-555.	0.1	7
184	Structure of the San Fernando Valley region, California: Implications for seismic hazard and tectonic history. , 2011, 7, 528-572.		7
185	Seismic explosion sources on an ice cap â€" Technical considerations. Polar Science, 2015, 9, 107-118.	1.2	7
186	A new tectonic map of the Iranian plateau based on aeromagnetic identification of magmatic arcs and ophiolite belts. Tectonophysics, 2020, 792, 228588.	2.2	7
187	Incipient ocean spreading beneath the Arabian shield. Earth-Science Reviews, 2022, 226, 103955.	9.1	7
188	DOBRE studies evolution of inverted intra-cratonic rifts in Ukraine. Eos, 2002, 83, 323.	0.1	5
189	Crustal Structure in Centralâ€Eastern Greenland From Receiver Functions. Journal of Geophysical Research: Solid Earth, 2019, 124, 1653-1670.	3.4	5
190	A Partially Molten Zone beneath the Global 8Â° Discontinuity at ~100 Km Depth. , 1997, , 343-350.		5
191	Long-lived Paleoproterozoic eclogitic lower crust. Nature Communications, 2021, 12, 6553.	12.8	5
192	TOPO-EUROPE: The Geoscience of coupled. Tectonophysics, 2009, 474, 1.	2.2	3
193	Three-dimensional seismic model of crustal structure in Southern Norway. Geophysical Journal International, 2014, 196, 1643-1656.	2.4	3
194	The Transition from Cold to Hot Areas of North America Interpreted from Early Rise Seismic Record Sections. , 1997, , 131-138.		3
195	On the choice of wavenumbers in viscoelastic seismic modelling with discrete wavenumber-frequency methods. Physics of the Earth and Planetary Interiors, 1991, 68, 285-293.	1.9	2
196	Samovar: a thermomechanical code for modeling of geodynamic processes in the lithosphereâ€"application to basin evolution. Arabian Journal of Geosciences, 2010, 3, 477-497.	1.3	2
197	Crustal and upper mantle velocity model along the DOBRE-4 profile from North Dobruja to the central region of the Ukrainian Shield: 2. geotectonic interpretation. Izvestiya, Physics of the Solid Earth, 2017, 53, 205-213.	0.9	2
198	Crustal and upper mantle velocity model along the DOBRE-4 profile from North Dobruja to the central region of the Ukrainian Shield: 1. seismic data. Izvestiya, Physics of the Solid Earth, 2017, 53, 193-204.	0.9	2

#	Article	IF	Citations
199	Resistivity and georadar mapping of lacustrine and glaciofluvial sediments in the late-glacial to postglacial Store Amose basin, Denmark. Bulletin of the Geological Society of Denmark, 1996, 43, 87-98.	1.1	2
200	International Lithosphere Program (ILP). Acta Geologica Sinica, 2019, 93, 7-7.	1.4	1
201	Thetys subduction and continental collision imaged by magnetic and gravity modelling. Acta Geologica Sinica, 2019, 93, 61-62.	1.4	1
202	Wrapâ€around removal from oneâ€dimensional synthetic seismograms. Geophysics, 1989, 54, 911-915.	2.6	1
203	Nordic Geoscience and the 33rd International Geological Congress: Introduction. Episodes, 2008, 31, 4-8.	1.2	1
204	Highly heterogeneous upper-mantle structure in Fennoscandia from finite-frequency P-body-wave tomography. Geophysical Journal International, 2022, 230, 1197-1214.	2.4	1
205	Upper mantle seismic structure in the Ordos Block, China. Journal of Geodynamics, 2022, 151, 101921.	1.6	1
206	Computation of synthetic seismograms for coal seamS. Geoexploration, 1983, 21, 299.	0.2	0
207	AN ALGORITHM FOR FAST TIME-DOMAIN COMPUTATION OF ONE-DIMENSIONAL SYNTHETIC VERTICAL SEISMIC PROFILES*. Geophysical Prospecting, 1986, 34, 833-844.	1.9	0
208	Title is missing!. Surveys in Geophysics, 1998, 19, 207-209.	4.6	0
209	Publisher's correction to â€œCrustal anisotropy in the Bohemian Massif, Czech Republic: Observations based on Central European Lithospheric Experiment Based on Refraction (CELEBRATION) 2000â€• Journal of Geophysical Research, 2006, 111, .	3.3	0
210	Tectonophysics: The International Journal of Integrated Solid Earth Sciences. Tectonophysics, 2008, 460, v-vi.	2.2	0
211	Lithosphere structure of the North China Craton: high resolution seismic crustal structure and lithospheric mantle density. Acta Geologica Sinica, 2019, 93, 107-107.	1.4	0
212	Trans-European Suture Zone. Encyclopedia of Earth Sciences Series, 2021, , 1819-1827.	0.1	0
213	Teleseismic Tomography in Sweden-Denmark-Germany, Project TOR. , 1997, , 169-170.		0
214	THE CRATONIC MANTLE, ISOPYCNICITY, AND KIMBERLITE PROVINCES. , 2018, , .		0
215	DENSITY STRUCTURE OF CRATONIC LITHOSPHERE MANTLE: A TALE OF FOUR CRATONS. , 2019, , .		0
216	Trans-European Suture Zone. Encyclopedia of Earth Sciences Series, 2020, , 1-11.	0.1	0