

Ingo Grevemeyer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144
papers

4,022
citations

36
h-index

55
g-index

183
ext. papers

4,588
ext. citations

4.9
avg, IF

5.48
L-index

#	Paper	IF	Citations
144	Impact of Spreading Rate and Age-Offset on Oceanic Transform Fault Morphology. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	2
143	The Rift and Continent-Ocean Transition Structure Under the Tagus Abyssal Plain West of the Iberia. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2021JB022629	3.6	0
142	Seismic Structure of the St. Paul Fracture Zone and Late Cretaceous to Mid Eocene Oceanic Crust in the Equatorial Atlantic Ocean Near 18°W. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2021JB022496	3.6	0
141	3D crustal structure of the Ligurian Basin revealed by surface wave tomography using ocean bottom seismometer data. <i>Solid Earth</i> , 2021 , 12, 2597-2613	3.3	2
140	Basin inversion: reactivated rift structures in the central Ligurian Sea revealed using ocean bottom seismometers. <i>Solid Earth</i> , 2021 , 12, 2553-2571	3.3	0
139	Seismic Structure, Gravity Anomalies and Flexure Along the Emperor Seamount Chain. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2020JB021109	3.6	3
138	Extensional tectonics and two-stage crustal accretion at oceanic transform faults. <i>Nature</i> , 2021 , 591, 402-407	50.4	12
137	Relationship Between Subduction Erosion and the Up-Dip Limit of the 2014 Mw 8.1 Iquique Earthquake. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092207	4.9	2
136	Evolution of the Crustal and Upper Mantle Seismic Structure From 0.7 Ma in the Equatorial Atlantic Ocean at 2° 43'S. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2020JB021390	3.6	2
135	Structure of oceanic crust in back-arc basins modulated by mantle source heterogeneity. <i>Geology</i> , 2021 , 49, 468-472	5	7
134	Seismic Constraint From Vp/Vs Ratios on the Structure and Composition Across the Continent-Ocean Transition Zone, South China Sea. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094658	4.9	3
133	Large slip, long duration, and moderate shaking of the Nicaragua 1992 tsunami earthquake caused by low near-trench rock rigidity. <i>Science Advances</i> , 2021 , 7,	14.3	4
132	Seismic Velocity Structure Along and Across the Ultraslow-Spreading Southwest Indian Ridge at 64°30'E Showcases Flipping Detachment Faults. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2021JB022177	3.6	1
131	Crustal structure beneath the Zhongsha Block and the adjacent abyssal basins, South China Sea: New insights into rifting and initiation of seafloor spreading. <i>Gondwana Research</i> , 2021 , 99, 53-76	5.1	1
130	Seismic evidence for failed rifting in the Ligurian Basin, Western Alpine domain. <i>Solid Earth</i> , 2020 , 11, 873-887	3.3	7
129	Constraining the maximum depth of brittle deformation at slow- and ultraslow-spreading ridges using microseismicity: REPLY. <i>Geology</i> , 2020 , 48, e502-e502	5	
128	Spatial variations of incoming sediments at the northeastern Japan arc and their implications for megathrust earthquakes. <i>Geology</i> , 2020 , 48, 614-619	5	15

127	Upper Mantle Structure beneath the Mid-Atlantic Ridge from Regional Waveform Modeling. <i>Bulletin of the Seismological Society of America</i> , 2020 , 110, 18-25	2.3	5
126	The 6B Aug 2019 eruption of Volcano F in the Tofua Arc, Tonga. <i>Journal of Volcanology and Geothermal Research</i> , 2020 , 390, 106695	2.8	9
125	Recent inversion of the Tyrrhenian Basin. <i>Geology</i> , 2020 , 48, 123-127	5	18
124	The structure of Mediterranean arcs: New insights from the Calabrian Arc subduction system. <i>Earth and Planetary Science Letters</i> , 2020 , 548, 116480	5.3	5
123	The Lithospheric Structure of the Gibraltar Arc System From Wide-Angle Seismic Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB019854	3.6	9
122	Nonlinear full waveform inversion of wide-aperture OBS data for Moho structure using a trans-dimensional Bayesian method. <i>Geophysical Journal International</i> , 2020 , 224, 1056-1078	2.6	3
121	Seismic Crustal Structure and Morphotectonic Features Associated With the Chain Fracture Zone and Their Role in the Evolution of the Equatorial Atlantic Region. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB020275	3.6	5
120	Discovery of flat seismic reflections in the mantle beneath the young Juan de Fuca Plate. <i>Nature Communications</i> , 2020 , 11, 4122	17.4	1
119	Updated seafloor topography and T phase seismicity at Monowai, northern Kermadec Arc. <i>New Zealand Journal of Geology, and Geophysics</i> , 2020 , 63, 281-286	1.6	1
118	Earthquake crisis unveils the growth of an incipient continental fault system. <i>Nature Communications</i> , 2019 , 10, 3482	17.4	14
117	Seismic investigation of an active ocean-continent transform margin: the interaction between the Swan Islands Fault Zone and the ultraslow-spreading Mid-Cayman Spreading Centre. <i>Geophysical Journal International</i> , 2019 , 219, 159-184	2.6	6
116	Constraining the maximum depth of brittle deformation at slow- and ultraslow-spreading ridges using microseismicity. <i>Geology</i> , 2019 , 47, 1069-1073	5	23
115	Influence of Incoming Plate Relief on Overriding Plate Deformation and Earthquake Nucleation: Cocos Ridge Subduction (Costa Rica). <i>Tectonics</i> , 2019 , 38, 4360-4377	4.3	12
114	Oligocene-Miocene extension led to mantle exhumation in the central Ligurian Basin, Western Alpine Domain 2019 ,		2
113	Age and origin of Researcher Ridge and an explanation for the 14° N anomaly on the Mid-Atlantic Ridge by plume-ridge interaction. <i>Lithos</i> , 2019 , 326-327, 540-555	2.9	3
112	Enhanced Mantle Upwelling/Melting Caused Segment Propagation, Oceanic Core Complex Die Off, and the Death of a Transform Fault: The Mid-Atlantic Ridge at 21.5°N. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 941-956	3.6	13
111	Spatial variations of magmatic crustal accretion during the opening of the Tyrrhenian back-arc from wide-angle seismic velocity models and seismic reflection images. <i>Basin Research</i> , 2018 , 30, 124-141	3.2	9
110	Structure of oceanic crust and serpentinization at subduction trenches 2018 , 14, 395-418		95

109	Hydroacoustic Measurements of the 2014 Eruption at Ahyi Volcano, 20.4°N Mariana Arc. <i>Geophysical Research Letters</i> , 2018 , 45, 11,050	4.9	3
108	The Alboran volcanic-arc modulated the Messinian faunal exchange and salinity crisis. <i>Scientific Reports</i> , 2018 , 8, 13015	4.9	35
107	Tracking Submarine Volcanic Activity at Monowai: Constraints From Long-Range Hydroacoustic Measurements. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 7877-7895	3.6	6
106	Episodic magmatism and serpentinized mantle exhumation at an ultraslow-spreading centre. <i>Nature Geoscience</i> , 2018 , 11, 444-448	18.3	25
105	Seismotectonics of the Horseshoe Abyssal Plain and Gorringe Bank, eastern Atlantic Ocean: Constraints from ocean bottom seismometer data. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 63-78	3.6	13
104	Seismic structure and segmentation of the axial valley of the Mid-Cayman Spreading Center. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 2149-2161	3.6	7
103	Magmatic-tectonic conditions for hydrothermal venting on an ultraslow-spread oceanic core complex. <i>Geology</i> , 2017 , 45, 839-842	5	25
102	On the relationship between structure, morphology and large coseismic slip: A case study of the M 8.8 Maule, Chile 2010 earthquake. <i>Earth and Planetary Science Letters</i> , 2017 , 478, 27-39	5.3	20
101	Aftershock seismicity and tectonic setting of the 2015 September 16 Mw 8.3 Illapel earthquake, Central Chile. <i>Geophysical Journal International</i> , 2016 , 206, 1424-1430	2.6	17
100	Mantle earthquakes beneath the South Iberia continental margin and Gulf of Cadiz: Constraints from an onshore-offshore seismological network. <i>Journal of Geodynamics</i> , 2016 , 99, 39-50	2.2	19
99	Crustal structure and kinematics of the TAMMAR propagating rift system on the Mid-Atlantic Ridge from seismic refraction and satellite altimetry gravity. <i>Geophysical Journal International</i> , 2016 , 206, 1382-1397	2.6	4
98	Reloca Slide: an ~24 km ³ submarine mass-wasting event in response to over-steepening and failure of the central Chilean continental slope. <i>Terra Nova</i> , 2016 , 28, 257-264	3	7
97	Ultra-long-range hydroacoustic observations of submarine volcanic activity at Monowai, Kermadec Arc. <i>Geophysical Research Letters</i> , 2016 , 43, 1529-1536	4.9	21
96	Crustal structure of the Kermadec arc from MANGO seismic refraction profiles. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 7514-7546	3.6	17
95	Mantle exhumation and sequence of magmatic events in the Magnaghi-Vavilov Basin (Central Tyrrhenian, Italy): New constraints from geological and geophysical observations. <i>Tectonophysics</i> , 2016 , 689, 133-142	3.1	34
94	Fault geometry and permeability contrast control vent temperatures at the Logatchev 1 hydrothermal field, Mid-Atlantic Ridge. <i>Geology</i> , 2015 , 43, 51-54	5	20
93	Bending-related faulting of the incoming oceanic plate and its effect on lithospheric hydration and seismicity: A passive and active seismological study offshore Maule, Chile. <i>Journal of Geodynamics</i> , 2015 , 90, 58-70	2.2	13
92	The complex 3-D transition from continental crust to backarc magmatism and exhumed mantle in the Central Tyrrhenian basin. <i>Geophysical Journal International</i> , 2015 , 203, 63-78	2.6	27

91	Seismicity and active tectonics in the Alboran Sea, Western Mediterranean: Constraints from an offshore-onshore seismological network and swath bathymetry data. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 8348-8365	3.6	26
90	Seismic velocity structure and deformation due to the collision of the Louisville Ridge with the Tonga-Kermadec Trench. <i>Geophysical Journal International</i> , 2015 , 200, 1503-1522	2.6	12
89	Volatile (H ₂ O, CO ₂ , Cl, S) budget of the Central American subduction zone. <i>International Journal of Earth Sciences</i> , 2014 , 103, 2101-2127	2.2	36
88	Interplate seismicity at the CRISP drilling site: The 2002 Mw 6.4 Osa Earthquake at the southeastern end of the Middle America Trench. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 3035-3050	3.6	18
87	Splay fault activity revealed by aftershocks of the 2010 Mw 8.8 Maule earthquake, central Chile. <i>Geology</i> , 2014 , 42, 823-826	5	26
86	Crustal thinning in the northern Tyrrhenian Rift: Insights from multichannel and wide-angle seismic data across the basin. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 1655-1677	3.6	14
85	Structure and deformation of the Kermadec forearc in response to subduction of the Pacific oceanic plate. <i>Geophysical Journal International</i> , 2014 , 199, 1286-1302	2.6	6
84	Seismic structure of the Central Tyrrhenian basin: Geophysical constraints on the nature of the main crustal domains. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 52-70	3.6	46
83	Crustal thickness and mantle wedge structure from receiver functions in the Chilean Maule region at 35°S. <i>Tectonophysics</i> , 2013 , 592, 159-164	3.1	10
82	Microseismicity of the Mid-Atlantic Ridge at 7°S-15°S and at the Logatchev Massif oceanic core complex at 14°40'N-14°50'N. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 3532-3554	3.6	38
81	Uplift at lithospheric swells--II: is the Cape Verde mid-plate swell supported by a lithosphere of varying mechanical strength?. <i>Geophysical Journal International</i> , 2013 , 193, 798-819	2.6	9
80	Early-stage rifting of the northern Tyrrhenian Sea Basin: Results from a combined wide-angle and multichannel seismic study. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 3032-3052	3.6	28
79	Overriding plate structure of the Nicaragua convergent margin: Relationship to the seismogenic zone of the 1992 tsunami earthquake. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 3436-3461	3.6	25
78	Three dimensional lithospheric structure of the western continental margin of India constrained from gravity modelling: implication for tectonic evolution. <i>Geophysical Journal International</i> , 2012 , 190, 131-150	2.6	21
77	Abrupt change in the dip of the subducting plate beneath north Chile. <i>Nature Geoscience</i> , 2012 , 5, 342-348	3.3	51
76	Structure and geodynamics of the post-collision zone between the Nazca Antarctic spreading center and South America. <i>Earth and Planetary Science Letters</i> , 2012 , 345-348, 27-37	5.3	15
75	Seismic evidence of tectonic control on the depth of water influx into incoming oceanic plates at subduction trenches. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13,	3.6	30
74	Controls of faulting and reaction kinetics on serpentinization and double Benioff zones. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13,	3.6	41

73	Rapid rates of growth and collapse of Monowai submarine volcano in the Kermadec Arc. <i>Nature Geoscience</i> , 2012 , 5, 510-515	18.3	42
72	Insights into mantle composition and mantle melting beneath mid-ocean ridges from postspreading volcanism on the fossil Galapagos Rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	25
71	Crustal structure of the propagating TAMMAR ridge segment on the Mid-Atlantic Ridge, 21.5°N. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	16
70	Thermal control of the seismogenic zone of southern central Chile. <i>Journal of Geophysical Research</i> , 2011 , 116,		30
69	Deep seismic structure of the Tonga subduction zone: Implications for mantle hydration, tectonic erosion, and arc magmatism. <i>Journal of Geophysical Research</i> , 2011 , 116,		65
68	Revealing the deep structure and rupture plane of the 2010 Maule, Chile earthquake (Mw=8.8) using wide angle seismic data. <i>Earth and Planetary Science Letters</i> , 2011 , 307, 147-155	5.3	49
67	Seismic activity at Cadamosto seamount near Fogo Island, Cape Verde formation of a new ocean island?. <i>Geophysical Journal International</i> , 2010 , 180, 552-558	2.6	16
66	Serpentinization in the trench-outer rise region offshore of Nicaragua: constraints from seismic refraction and wide-angle data. <i>Geophysical Journal International</i> , 2010 , 180, 1253-1264	2.6	60
65	Crustal structure of a rifted oceanic core complex and its conjugate side at the MAR at 5°S: implications for melt extraction during detachment faulting and core complex formation. <i>Geophysical Journal International</i> , 2010 , 181, 113-126	2.6	14
64	The updip seismic/aseismic transition of the Sumatra megathrust illuminated by aftershocks of the 2004 Aceh-Andaman and 2005 Nias events. <i>Geophysical Journal International</i> , 2010 ,	2.6	22
63	Uplift at lithospheric swells-I: seismic and gravity constraints on the crust and uppermost mantle structure of the Cape Verde mid-plate swell. <i>Geophysical Journal International</i> , 2010 , 182, 531-550	2.6	22
62	Seismic structure of an oceanic core complex at the Mid-Atlantic Ridge, 22°19'N. <i>Journal of Geophysical Research</i> , 2010 , 115,		25
61	Thermal regime of the Costa Rican convergent margin: 1. Along-strike variations in heat flow from probe measurements and estimated from bottom-simulating reflectors. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	28
60	Thermal regime of the Costa Rican convergent margin: 2. Thermal models of the shallow Middle America subduction zone offshore Costa Rica. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	57
59	Tectonic control on sediment accretion and subduction off south central Chile: Implications for coseismic rupture processes of the 1960 and 2010 megathrust earthquakes. <i>Tectonics</i> , 2010 , 29, n/a-n/a	4.3	84
58	Crustal intrusion beneath the Louisville hotspot track. <i>Earth and Planetary Science Letters</i> , 2010 , 289, 323-333	5.3	62
57	18. Seafloor Marine Heat Flux Measurements and Estimation of Heat Flux from Seismic Observations of Bottom Simulating Reflectors 2010 , 279-300		16
56	Inversion of Scholte wave dispersion and waveform modeling for shallow structure of the Ninetyeast Ridge. <i>Journal of Seismology</i> , 2009 , 13, 543-559	1.5	16

55	Intraplate seismicity and related mantle hydration at the Nicaraguan trench outer rise. <i>Geophysical Journal International</i> , 2009 , 178, 742-752	2.6	36
54	Thermal constraints on the frictional conditions of the nucleation and rupture area of the 1992 Nicaragua tsunami earthquake. <i>Geophysical Journal International</i> , 2009 , 179, 1265-1278	2.6	6
53	Deep lithospheric structures along the southern central Chile margin from wide-angle P-wave modelling. <i>Geophysical Journal International</i> , 2009 , 179, 579-600	2.6	45
52	Heat flow anomalies in the Gulf of Cadiz and off Cape San Vicente, Portugal. <i>Marine and Petroleum Geology</i> , 2009 , 26, 795-804	4.7	33
51	Centroid depth and mechanism of trench-outer rise earthquakes. <i>Geophysical Journal International</i> , 2008 , 172, 240-251	2.6	29
50	Effect of trench-outer rise bending-related faulting on seismic Poisson's ratio and mantle anisotropy: a case study offshore of Southern Central Chile. <i>Geophysical Journal International</i> , 2008 , 173, 142-156	2.6	32
49	Lower slope morphology of the Sumatra trench system. <i>Basin Research</i> , 2008 , 20, 519-529	3.2	33
48	Hydrogeological system of erosional convergent margins and its influence on tectonics and interplate seismogenesis. <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	142
47	Impact of bending related faulting on the seismic properties of the incoming oceanic plate offshore of Nicaragua. <i>Journal of Geophysical Research</i> , 2008 , 113,		82
46	Heterogeneous deformation in the Cascadia convergent margin and its relation to thermal gradient (Washington, NW USA). <i>Tectonics</i> , 2008 , 27, n/a-n/a	4.3	33
45	Flank collapse and large-scale landsliding in the Cape Verde Islands, off West Africa. <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	82
44	Seismicity in the outer rise offshore southern Chile: Indication of fluid effects in crust and mantle. <i>Earth and Planetary Science Letters</i> , 2008 , 269, 41-55	5.3	31
43	Crustal structure and origin of the Cape Verde Rise. <i>Earth and Planetary Science Letters</i> , 2008 , 272, 422-438	5.3	67
42	Upper lithospheric structure of the subduction zone offshore of southern Arauco peninsula, Chile, at ~38°S. <i>Journal of Geophysical Research</i> , 2008 , 113,		89
41	Alteration of the subducting oceanic lithosphere at the southern central Chile trench outer rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	62
40	Crustal types and Tertiary tectonic evolution of the Alborñ sea, western Mediterranean. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	127
39	Passive and active seismological study of bending-related faulting and mantle serpentinization at the Middle America trench. <i>Earth and Planetary Science Letters</i> , 2007 , 258, 528-542	5.3	115
38	Variation of effective elastic thickness and melt production along the Deccan Reunion hotspot track. <i>Earth and Planetary Science Letters</i> , 2007 , 264, 9-21	5.3	25

37	Slope Failures Of The Flanks Of The Southern Cape Verde Islands 2007 , 337-345		22
36	Investigating subduction zone processes in Chile. <i>Eos</i> , 2006 , 87, 265	1.5	18
35	Overriding plate controls spatial distribution of megathrust earthquakes in the Sunda-Andaman subduction zone. <i>Earth and Planetary Science Letters</i> , 2006 , 251, 199-208	5.3	28
34	Geothermal evidence for fluid flow through the gas hydrate stability field off Central Chile-transient flow related to large subduction zone earthquakes?. <i>Geophysical Journal International</i> , 2006 , 166, 461-468	2.6	20
33	Heat flow and bending-related faulting at subduction trenches: Case studies offshore of Nicaragua and Central Chile. <i>Earth and Planetary Science Letters</i> , 2005 , 236, 238-248	5.3	91
32	Methane hydrate accumulation in Mound 11 mud volcano, Costa Rica forearc. <i>Marine Geology</i> , 2005 , 216, 83-100	3.3	71
31	Fluid flow through active mud dome Mound Culebra offshore Nicoya Peninsula, Costa Rica: evidence from heat flow surveying. <i>Marine Geology</i> , 2004 , 207, 145-157	3.3	43
30	Asymmetric sedimentation on young ocean floor at the East Pacific Rise, 15°S. <i>Marine Geology</i> , 2003 , 193, 49-59	3.3	12
29	Three-dimensional seismic refraction tomography of the crustal structure at the ION site on the Ninetyeast Ridge, Indian Ocean. <i>Geophysical Journal International</i> , 2003 , 152, 171-184	2.6	7
28	On the generation of secondary microseisms observed in northern and central Europe. <i>Journal of Geophysical Research</i> , 2003 , 108,		44
27	Heat flow over the descending Nazca plate in central Chile, 32°S to 41°S: observations from ODP Leg 202 and the occurrence of natural gas hydrates. <i>Earth and Planetary Science Letters</i> , 2003 , 213, 285-298	5.3	62
26	Shear-wave velocity in marine sediments on young oceanic crust: constraints from dispersion analysis of Scholte waves. <i>Geophysical Journal International</i> , 2002 , 132, 227-234	2.6	11
25	A multibeam-sonar, magnetic and geochemical flowline survey at 14°14'S on the southern East Pacific Rise: insights into the fourth dimension of ridge crest segmentation. <i>Earth and Planetary Science Letters</i> , 2002 , 199, 359-372	5.3	18
24	A rifted inside corner massif on the Mid-Atlantic Ridge at 5°S. <i>Earth and Planetary Science Letters</i> , 2002 , 200, 255-269	5.3	58
23	Hydrothermal heat flux through aged oceanic crust: where does the heat escape?. <i>Earth and Planetary Science Letters</i> , 2002 , 202, 159-170	5.3	55
22	Crustal architecture and deep structure of the Ninetyeast Ridge hotspot trail from active-source ocean bottom seismology. <i>Geophysical Journal International</i> , 2001 , 144, 414-431	2.6	78
21	Gas hydrate stability and the assessment of heat flow through continental margins. <i>Geophysical Journal International</i> , 2001 , 145, 647-660	2.6	80
20	Crustal and upper mantle seismic structure and lithospheric flexure along the Society Island hotspot chain. <i>Geophysical Journal International</i> , 2001 , 147, 123-140	2.6	26

19	Geophysical evidence for late stage magmatism at the central Ninetyeast Ridge, Eastern Indian Ocean. <i>Marine Geophysical Researches</i> , 2001 , 22, 225-234	2.3	6
18	Natural gas hydrates on the continental slope off Pakistan: constraints from seismic techniques. <i>Geophysical Journal International</i> , 2000 , 140, 295-310	2.6	35
17	Crustal underplating and its implications for subsidence and state of isostasy along the Ninetyeast Ridge hotspot trail. <i>Geophysical Journal International</i> , 2000 , 142, 643-649	2.6	27
16	Microseismological evidence for a changing wave climate in the northeast Atlantic Ocean. <i>Nature</i> , 2000 , 408, 349-52	50.4	104
15	Does microseisms in Hamburg (Germany) reflect the wave climate in the North Atlantic?. <i>Ocean Dynamics</i> , 1999 , 51, 33-45		9
14	The Great Meteor seamount: seismic structure of a submerged intraplate volcano. <i>Journal of Geodynamics</i> , 1999 , 28, 27-40	2.2	37
13	Isostatic geoid anomalies over mid-plate swells in the Central North Atlantic. <i>Journal of Geodynamics</i> , 1999 , 28, 41-50	2.2	22
12	Ocean site survey reveals anatomy of a hotspot track. <i>Eos</i> , 1999 , 80, 77	1.5	2
11	Hydrothermal activity and the evolution of the seismic properties of upper oceanic crust. <i>Journal of Geophysical Research</i> , 1999 , 104, 5069-5079		47
10	Constraints on the shallow seismic structure at Ocean Drilling Program Site 1107, Ninetyeast Ridge, from implosive bottom sources and airgun shots. <i>Geophysical Research Letters</i> , 1999 , 26, 907-910	4.9	4
9	An implosive seismoacoustic source for seismic experiments on the ocean floor. <i>Marine Geophysical Researches</i> , 1998 , 20, 239-247	2.3	2
8	Structure and ageing of oceanic crust at 14°S on the East Pacific Rise. <i>Geophysical Journal International</i> , 1998 , 135, 573-584	2.6	51
7	Seamount abundances and Abyssal Hill Morphology on the eastern flank of the East Pacific Rise at 14°S. <i>Geophysical Research Letters</i> , 1997 , 24, 1955-1958	4.9	8
6	Increase of seismic velocities in upper oceanic crust: The Superfast Spreading East Pacific Rise at 14°14'S. <i>Geophysical Research Letters</i> , 1997 , 24, 217-220	4.9	36
5	The Aegir Rift: Crustal Structure of an Extinct Spreading Axis. <i>Marine Geophysical Researches</i> , 1997 , 19, 1-23	2.3	24
4	Aging of oceanic crust at the Southern East Pacific Rise. <i>Eos</i> , 1996 , 77, 504	1.5	9
3	Hotspot-ridge interaction in the Indian Ocean: constraints from Geosat/ERM altimetry. <i>Geophysical Journal International</i> , 1996 , 126, 796-804	2.6	7
2	Seismic velocities of the uppermost igneous crust versus age. <i>Geophysical Journal International</i> , 1996 , 124, 631-635	2.6	61

1 Basin inversion: Reactivated rift structures in the Ligurian Sea revealed by OBS

3