Ingo Grevemeyer

List of Publications by Citations

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	Hydrogeological system of erosional convergent margins and its influence on tectonics and interplate seismogenesis. *Geochemistry, Geophysics, Geosystems*, **2008**, 9, n/a-n/a	3.6	142
143	Crustal types and Tertiary tectonic evolution of the Alboran sea, western Mediterranean. *Geochemistry, Geophysics, Geosystems*, **2007**, 8, n/a-n/a	3.6	127
142	Passive and active seismological study of bending-related faulting and mantle serpentinization at the Middle America trench. *Earth and Planetary Science Letters*, **2007**, 258, 528-542	5.3	115
141	Microseismological evidence for a changing wave climate in the northeast Atlantic Ocean. *Nature*, **2000**, 408, 349-52	50.4	104
140	Structure of oceanic crust and serpentinization at subduction trenches **2018**, 14, 395-418		95
139	Heat flow and bending-related faulting at subduction trenches: Case studies offshore of Nicaragua and Central Chile. *Earth and Planetary Science Letters*, **2005**, 236, 238-248	5.3	91
138	Upper lithospheric structure of the subduction zone offshore of southern Arauco peninsula, Chile, at ~38°S. *Journal of Geophysical Research*, **2008**, 113,		89
137	Tectonic control on sediment accretion and subduction off south central Chile: Implications for coseismic rupture processes of the 1960 and 2010 megathrust earthquakes. *Tectonics*, **2010**, 29, n/a-n/a	4.3	84
136	Impact of bending related faulting on the seismic properties of the incoming oceanic plate offshore of Nicaragua. *Journal of Geophysical Research*, **2008**, 113,		82
135	Flank collapse and large-scale landsliding in the Cape Verde Islands, off West Africa. *Geochemistry, Geophysics, Geosystems*, **2008**, 9, n/a-n/a	3.6	82
134	Gas hydrate stability and the assessment of heat flow through continental margins. *Geophysical Journal International*, **2001**, 145, 647-660	2.6	80
133	Crustal architecture and deep structure of the Ninetyeast Ridge hotspot trail from active-source ocean bottom seismology. *Geophysical Journal International*, **2001**, 144, 414-431	2.6	78
132	Methane hydrate accumulation in "Mound 11" mud volcano, Costa Rica forearc. *Marine Geology*, **2005**, 216, 83-100	3.3	71
131	Crustal structure and origin of the Cape Verde Rise. *Earth and Planetary Science Letters*, **2008**, 272, 422-428	5.3	67
130	Deep seismic structure of the Tonga subduction zone: Implications for mantle hydration, tectonic erosion, and arc magmatism. *Journal of Geophysical Research*, **2011**, 116,		65
129	Crustal intrusion beneath the Louisville hotspot track. *Earth and Planetary Science Letters*, **2010**, 289, 323-333	5.3	62
128	Alteration of the subducting oceanic lithosphere at the southern central Chile trench-outer rise. *Geochemistry, Geophysics, Geosystems*, **2007**, 8, n/a-n/a	3.6	62

127	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. *Earth and Planetary Science Letters*, **2003**, 213, 285-298	5.3	62
126	Seismic velocities of the uppermost igneous crust versus age. *Geophysical Journal International*, **1996**, 124, 631-635	2.6	61
125	Serpentinization in the trench-outer rise region offshore of Nicaragua: constraints from seismic refraction and wide-angle data. *Geophysical Journal International*, **2010**, 180, 1253-1264	2.6	60
124	A rifted inside corner massif on the Mid-Atlantic Ridge at 5°S. *Earth and Planetary Science Letters*, **2002**, 200, 255-269	5.3	58
123	Thermal regime of the Costa Rican convergent margin: 2. Thermal models of the shallow Middle America subduction zone offshore Costa Rica. *Geochemistry, Geophysics, Geosystems*, **2010**, 11, n/a-n/a	3.6	57
122	Hydrothermal heat flux through aged oceanic crust: where does the heat escape?. *Earth and Planetary Science Letters*, **2002**, 202, 159-170	5.3	55
121	Abrupt change in the dip of the subducting plate beneath north Chile. *Nature Geoscience*, **2012**, 5, 342-345	18.3	51
120	Structure and ageing of oceanic crust at 14°S on the East Pacific Rise. *Geophysical Journal International*, **1998**, 135, 573-584	2.6	51
119	Revealing the deep structure and rupture plane of the 2010 Maule, Chile earthquake (Mw=8.8) using wide angle seismic data. *Earth and Planetary Science Letters*, **2011**, 307, 147-155	5.3	49
118	Hydrothermal activity and the evolution of the seismic properties of upper oceanic crust. *Journal of Geophysical Research*, **1999**, 104, 5069-5079		47
117	Seismic structure of the Central Tyrrhenian basin: Geophysical constraints on the nature of the main crustal domains. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 52-70	3.6	46
116	Deep lithospheric structures along the southern central Chile margin from wide-angleP-wave modelling. *Geophysical Journal International*, **2009**, 179, 579-600	2.6	45
115	On the generation of secondary microseisms observed in northern and central Europe. *Journal of Geophysical Research*, **2003**, 108,		44
114	Fluid flow through active mud dome Mound Culebra offshore Nicoya Peninsula, Costa Rica: evidence from heat flow surveying. *Marine Geology*, **2004**, 207, 145-157	3.3	43
113	Rapid rates of growth and collapse of Monowai submarine volcano in the Kermadec Arc. *Nature Geoscience*, **2012**, 5, 510-515	18.3	42
112	Controls of faulting and reaction kinetics on serpentinization and double Benioff zones. *Geochemistry, Geophysics, Geosystems*, **2012**, 13,	3.6	41
111	Microseismicity of the Mid-Atlantic Ridge at 7°S8°15?S and at the Logatchev Massif oceanic core complex at 14°40?N14°50?N. *Geochemistry, Geophysics, Geosystems*, **2013**, 14, 3532-3554	3.6	38
110	The Great Meteor seamount: seismic structure of a submerged intraplate volcano. *Journal of Geodynamics*, **1999**, 28, 27-40	2.2	37

109	Volatile (H2O, CO2, Cl, S) budget of the Central American subduction zone. *International Journal of Earth Sciences*, **2014**, 103, 2101-2127	2.2	36
108	Intraplate seismicity and related mantle hydration at the Nicaraguan trench outer rise. *Geophysical Journal International*, **2009**, 178, 742-752	2.6	36
107	Increase of seismic velocities in upper oceanic crust: The Superfast-Spreading East Pacific Rise at 14°14'S. *Geophysical Research Letters*, **1997**, 24, 217-220	4.9	36
106	Natural gas hydrates on the continental slope off Pakistan: constraints from seismic techniques. *Geophysical Journal International*, **2000**, 140, 295-310	2.6	35
105	The Alboran volcanic-arc modulated the Messinian faunal exchange and salinity crisis. *Scientific Reports*, **2018**, 8, 13015	4.9	35
104	Mantle exhumation and sequence of magmatic events in the Magnaghi-Vavilov Basin (Central Tyrrhenian, Italy): New constraints from geological and geophysical observations. *Tectonophysics*, **2016**, 689, 133-142	3.1	34
103	Heat flow anomalies in the Gulf of Cadiz and off Cape San Vincente, Portugal. *Marine and Petroleum Geology*, **2009**, 26, 795-804	4.7	33
102	Lower slope morphology of the Sumatra trench system. *Basin Research*, **2008**, 20, 519-529	3.2	33
101	Heterogeneous deformation in the Cascadia convergent margin and its relation to thermal gradient (Washington, NW USA). *Tectonics*, **2008**, 27, n/a-n/a	4.3	33
100	Effect of trench-outer rise bending-related faulting on seismic Poisson's ratio and mantle anisotropy: a case study offshore of Southern Central Chile. *Geophysical Journal International*, **2008**, 173, 142-156	2.6	32
99	Seismicity in the outer rise offshore southern Chile: Indication of fluid effects in crust and mantle. *Earth and Planetary Science Letters*, **2008**, 269, 41-55	5.3	31
98	Seismic evidence of tectonic control on the depth of water influx into incoming oceanic plates at subduction trenches. *Geochemistry, Geophysics, Geosystems*, **2012**, 13,	3.6	30
97	Thermal control of the seismogenic zone of southern central Chile. *Journal of Geophysical Research*, **2011**, 116,		30
96	Centroid depth and mechanism of trench-outer rise earthquakes. *Geophysical Journal International*, **2008**, 172, 240-251	2.6	29
95	Early-stage rifting of the northern Tyrrhenian Sea Basin: Results from a combined wide-angle and multichannel seismic study. *Geochemistry, Geophysics, Geosystems*, **2013**, 14, 3032-3052	3.6	28
94	Thermal regime of the Costa Rican convergent margin: 1. Along-strike variations in heat flow from probe measurements and estimated from bottom-simulating reflectors. *Geochemistry, Geophysics, Geosystems*, **2010**, 11, n/a-n/a	3.6	28
93	Overriding plate controls spatial distribution of megathrust earthquakes in the Sunda-Andaman subduction zone. *Earth and Planetary Science Letters*, **2006**, 251, 199-208	5.3	28
92	The complex 3-D transition from continental crust to backarc magmatism and exhumed mantle in the Central Tyrrhenian basin. *Geophysical Journal International*, **2015**, 203, 63-78	2.6	27

91	Crustal underplating and its implications for subsidence and state of isostasy along the Ninetyeast Ridge hotspot trail. *Geophysical Journal International*, **2000**, 142, 643-649	2.6	27
90	Splay fault activity revealed by aftershocks of the 2010 Mw 8.8 Maule earthquake, central Chile. *Geology*, **2014**, 42, 823-826	5	26
89	Seismicity and active tectonics in the Alboran Sea, Western Mediterranean: Constraints from an offshore-onshore seismological network and swath bathymetry data. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 8348-8365	3.6	26
88	Crustal and upper mantle seismic structure and lithospheric flexure along the Society Island hotspot chain. *Geophysical Journal International*, **2001**, 147, 123-140	2.6	26
87	Magmatic-tectonic conditions for hydrothermal venting on an ultraslow-spread oceanic core complex. *Geology*, **2017**, 45, 839-842	5	25
86	Overriding plate structure of the Nicaragua convergent margin: Relationship to the seismogenic zone of the 1992 tsunami earthquake. *Geochemistry, Geophysics, Geosystems*, **2013**, 14, 3436-3461	3.6	25
85	Insights into mantle composition and mantle melting beneath mid-ocean ridges from postspreading volcanism on the fossil Galapagos Rise. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a	3.6	25
84	Seismic structure of an oceanic core complex at the Mid-Atlantic Ridge, 22°19?N. *Journal of Geophysical Research*, **2010**, 115,		25
83	Variation of effective elastic thickness and melt production along the Deccan–Reunion hotspot track. *Earth and Planetary Science Letters*, **2007**, 264, 9-21	5.3	25
82	Episodic magmatism and serpentinized mantle exhumation at an ultraslow-spreading centre. *Nature Geoscience*, **2018**, 11, 444-448	18.3	25
81	The Aegir Rift: Crustal Structure of an Extinct Spreading Axis. *Marine Geophysical Researches*, **1997**, 19, 1-23	2.3	24
80	Constraining the maximum depth of brittle deformation at slow- and ultraslow-spreading ridges using microseismicity. *Geology*, **2019**, 47, 1069-1073	5	23
79	The updip seismic/aseismic transition of the Sumatra megathrust illuminated by aftershocks of the 2004 Aceh-Andaman and 2005 Nias events. *Geophysical Journal International*, **2010**,	2.6	22
78	Uplift at lithospheric swells-I: seismic and gravity constraints on the crust and uppermost mantle structure of the Cape Verde mid-plate swell. *Geophysical Journal International*, **2010**, 182, 531-550	2.6	22
77	Slope Failures Of The Flanks Of The Southern Cape Verde Islands **2007**, 337-345		22
76	Isostatic geoid anomalies over mid-plate swells in the Central North Atlantic. *Journal of Geodynamics*, **1999**, 28, 41-50	2.2	22
75	Three dimensional lithospheric structure of the western continental margin of India constrained from gravity modelling: implication for tectonic evolution. *Geophysical Journal International*, **2012**, 190, 131-150	2.6	21
74	Ultra-long-range hydroacoustic observations of submarine volcanic activity at Monowai, Kermadec Arc. *Geophysical Research Letters*, **2016**, 43, 1529-1536	4.9	21

73	Fault geometry and permeability contrast control vent temperatures at the Logatchev 1 hydrothermal field, Mid-Atlantic Ridge. *Geology*, **2015**, 43, 51-54	5	20
72	On the relationship between structure, morphology and large coseismic slip: A case study of the M 8.8 Maule, Chile 2010 earthquake. *Earth and Planetary Science Letters*, **2017**, 478, 27-39	5.3	20
71	Geothermal evidence for fluid flow through the gas hydrate stability field off Central Chile-transient flow related to large subduction zone earthquakes?. *Geophysical Journal International*, **2006**, 166, 461-468	2.6	20
70	Mantle earthquakes beneath the South Iberia continental margin and Gulf of Cadiz: constraints from an onshore-offshore seismological network. *Journal of Geodynamics*, **2016**, 99, 39-50	2.2	19
69	Interplate seismicity at the CRISP drilling site: The 2002 Mw 6.4 Osa Earthquake at the southeastern end of the Middle America Trench. *Geochemistry, Geophysics, Geosystems*, **2014**, 15, 3035-3050	3.6	18
68	Investigating subduction zone processes in Chile. *Eos*, **2006**, 87, 265	1.5	18
67	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. *Earth and Planetary Science Letters*, **2002**, 199, 359-372	5.3	18
66	Recent inversion of the Tyrrhenian Basin. *Geology*, **2020**, 48, 123-127	5	18
65	Aftershock seismicity and tectonic setting of the 2015 September 16 Mw 8.3 Illapel earthquake, Central Chile. *Geophysical Journal International*, **2016**, 206, 1424-1430	2.6	17
64	Crustal structure of the Kermadec arc from MANGO seismic refraction profiles. *Journal of Geophysical Research: Solid Earth*, **2016**, 121, 7514-7546	3.6	17
63	Crustal structure of the propagating TAMMAR ridge segment on the Mid-Atlantic Ridge, 21.5°N. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a	3.6	16
62	Seismic activity at Cadamosto seamount near Fogo Island, Cape Verdes: formation of a new ocean island?. *Geophysical Journal International*, **2010**, 180, 552-558	2.6	16
61	Inversion of Scholte wave dispersion and waveform modeling for shallow structure of the Ninetyeast Ridge. *Journal of Seismology*, **2009**, 13, 543-559	1.5	16
60	18. Seafloor Marine Heat Flux Measurements and Estimation of Heat Flux from Seismic Observations of Bottom Simulating Reflectors **2010**, 279-300		16
59	Spatial variations of incoming sediments at the northeastern Japan arc and their implications for megathrust earthquakes. *Geology*, **2020**, 48, 614-619	5	15
58	Structure and geodynamics of the post-collision zone between the Nazca-Antarctic spreading center and South America. *Earth and Planetary Science Letters*, **2012**, 345-348, 27-37	5.3	15
57	Earthquake crisis unveils the growth of an incipient continental fault system. *Nature Communications*, **2019**, 10, 3482	17.4	14
56	Crustal thinning in the northern Tyrrhenian Rift: Insights from multichannel and wide-angle seismic data across the basin. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 1655-1677	3.6	14

55	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. *Geophysical Journal International*, **2010**, 181, 113-126	2.6	14
54	Seismotectonics of the Horseshoe Abyssal Plain and Gorringe Bank, eastern Atlantic Ocean: Constraints from ocean bottom seismometer data. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 63-78	3.6	13
53	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. *Journal of Geodynamics*, **2015**, 90, 58-70	2.2	13
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51	Seismic velocity structure and deformation due to the collision of the Louisville Ridge with the Tonga-Kermadec Trench. *Geophysical Journal International*, **2015**, 200, 1503-1522	2.6	12
50	Asymmetric sedimentation on young ocean floor at the East Pacific Rise, 15°S. *Marine Geology*, **2003**, 193, 49-59	3.3	12
49	Extensional tectonics and two-stage crustal accretion at oceanic transform faults. *Nature*, **2021**, 591, 402-407	50.4	12
48	Influence of Incoming Plate Relief on Overriding Plate Deformation and Earthquake Nucleation: Cocos Ridge Subduction (Costa Rica). *Tectonics*, **2019**, 38, 4360-4377	4.3	12
47	Shear-wave velocity in marine sediments on young oceanic crust: constraints from dispersion analysis of Scholte waves. *Geophysical Journal International*, **2002**, 132, 227-234	2.6	11
46	Crustal thickness and mantle wedge structure from receiver functions in the Chilean Maule region at 35°S. *Tectonophysics*, **2013**, 592, 159-164	3.1	10
45	Spatial variations of magmatic crustal accretion during the opening of the Tyrrhenian back-arc from wide-angle seismic velocity models and seismic reflection images. *Basin Research*, **2018**, 30, 124-141	3.2	9
44	Uplift at lithospheric swells--II: is the Cape Verde mid-plate swell supported by a lithosphere of varying mechanical strength?. *Geophysical Journal International*, **2013**, 193, 798-819	2.6	9
43	Does microseisms in Hamburg (Germany) reflect the wave climate in the North Atlantic?. *Ocean Dynamics*, **1999**, 51, 33-45		9
42	Aging of oceanic crust at the Southern East Pacific Rise. *Eos*, **1996**, 77, 504	1.5	9
41	The 6[illegible]8 Aug 2019 eruption of [illegible]olcano F[illegible]n the Tofua Arc, Tonga. *Journal of Volcanology and Geothermal Research*, **2020**, 390, 106695	2.8	9
40	The Lithospheric Structure of the Gibraltar Arc System From Wide-Angle Seismic Data. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2020JB019854	3.6	9
39	Seamount abundances and Abyssal Hill Morphology on the eastern flank of the East Pacific Rise at 14°S. *Geophysical Research Letters*, **1997**, 24, 1955-1958	4.9	8
38	Seismic structure and segmentation of the axial valley of the Mid-Cayman Spreading Center. *Geochemistry, Geophysics, Geosystems*, **2017**, 18, 2149-2161	3.6	7

37	Seismic evidence for failed rifting in the Ligurian Basin, Western Alpine domain. *Solid Earth*, **2020**, 11, 873-887	3.3	7
36	Three-dimensional seismic refraction tomography of the crustal structure at the ION site on the Ninetyeast Ridge, Indian Ocean. *Geophysical Journal International*, **2003**, 152, 171-184	2.6	7
35	Hotspot-ridge interaction in the Indian Ocean: constraints from Geosat/ERM altimetry. *Geophysical Journal International*, **1996**, 126, 796-804	2.6	7
34	Reloca Slide: an ~241km3 submarine mass-wasting event in response to over-steepening and failure of the central Chilean continental slope. *Terra Nova*, **2016**, 28, 257-264	3	7
33	Structure of oceanic crust in back-arc basins modulated by mantle source heterogeneity. *Geology*, **2021**, 49, 468-472	5	7
32	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. *Geophysical Journal International*, **2019**, 219, 159-184	2.6	6
31	Structure and deformation of the Kermadec forearc in response to subduction of the Pacific oceanic plate. *Geophysical Journal International*, **2014**, 199, 1286-1302	2.6	6
30	Thermal constraints on the frictional conditions of the nucleation and rupture area of the 1992 Nicaragua tsunami earthquake. *Geophysical Journal International*, **2009**, 179, 1265-1278	2.6	6
29	Geophysical evidence for late stage magmatism at the central Ninetyeast Ridge, Eastern Indian Ocean. *Marine Geophysical Researches*, **2001**, 22, 225-234	2.3	6
28	Tracking Submarine Volcanic Activity at Monowai: Constraints From Long-Range Hydroacoustic Measurements. *Journal of Geophysical Research: Solid Earth*, **2018**, 123, 7877-7895	3.6	6
27	Upper Mantle Structure beneath the Mid-Atlantic Ridge from Regional Waveform Modeling. *Bulletin of the Seismological Society of America*, **2020**, 110, 18-25	2.3	5
26	The structure of Mediterranean arcs: New insights from the Calabrian Arc subduction system. *Earth and Planetary Science Letters*, **2020**, 548, 116480	5.3	5
25	Seismic Crustal Structure and Morphotectonic Features Associated With the Chain Fracture Zone and Their Role in the Evolution of the Equatorial Atlantic Region. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2020JB020275	3.6	5
24	Crustal structure and kinematics of the TAMMAR propagating rift system on the Mid-Atlantic Ridge from seismic refraction and satellite altimetry gravity. *Geophysical Journal International*, **2016**, 206, 1382-1397	2.6	4
23	Constraints on the shallow seismic structure at Ocean Drilling Program Site 1107, Ninetyeast Ridge, from implosive bottom sources and airgun shots. *Geophysical Research Letters*, **1999**, 26, 907-910	4.9	4
22	Large slip, long duration, and moderate shaking of the Nicaragua 1992 tsunami earthquake caused by low near-trench rock rigidity. *Science Advances*, **2021**, 7,	14.3	4
21	Nonlinear full waveform inversion of wide-aperture OBS data for Moho structure using a trans-dimensional Bayesian method. *Geophysical Journal International*, **2020**, 224, 1056-1078	2.6	3
20	Seismic Structure, Gravity Anomalies and Flexure Along the Emperor Seamount Chain. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2020JB021109	3.6	3

19	Age and origin of Researcher Ridge and an explanation for the 14° N anomaly on the Mid-Atlantic Ridge by plume-ridge interaction. *Lithos*, **2019**, 326-327, 540-555	2.9	3
18	Basin inversion: Reactivated rift structures in the Ligurian Sea revealed by OBS		3
17	Hydroacoustic Measurements of the 2014 Eruption at Ahyi Volcano, 20.4°N Mariana Arc. *Geophysical Research Letters*, **2018**, 45, 11,050	4.9	3
16	Seismic Constraint From Vp/Vs Ratios on the Structure and Composition Across the Continent-Ocean Transition Zone, South China Sea. *Geophysical Research Letters*, **2021**, 48, e2021GL094656	4.9	3
15	An implosive seismoacoustic source for seismic experiments on the ocean floor. *Marine Geophysical Researches*, **1998**, 20, 239-247	2.3	2
14	Ocean site survey reveals anatomy of a hotspot track. *Eos*, **1999**, 80, 77	1.5	2
13	Impact of Spreading Rate and Age-Offset on Oceanic Transform Fault Morphology. *Geophysical Research Letters*, **2022**, 49,	4.9	2
12	3D crustal structure of the Ligurian Basin revealed by surface wave tomography using ocean bottom seismometer data. *Solid Earth*, **2021**, 12, 2597-2613	3.3	2
11	Relationship Between Subduction Erosion and the Up-Dip Limit of the 2014 Mw 8.1 Iquique Earthquake. *Geophysical Research Letters*, **2021**, 48, e2020GL092207	4.9	2
10	Evolution of the Crustal and Upper Mantle Seismic Structure From 0–27 Ma in the Equatorial Atlantic Ocean at 2° 43?S. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2020JB021390	3.6	2
9	Oligocene-Miocene extension led to mantle exhumation in the central Ligurian Basin, Western Alpine Domain **2019**,		2
8	Discovery of flat seismic reflections in the mantle beneath the young Juan de Fuca Plate. *Nature Communications*, **2020**, 11, 4122	17.4	1
7	Updated seafloor topography and T phase seismicity at Monowai, northern Kermadec Arc. *New Zealand Journal of Geology, and Geophysics*, **2020**, 63, 281-286	1.6	1
6	Seismic Velocity Structure Along and Across the Ultraslow-Spreading Southwest Indian Ridge at 64°30?E Showcases Flipping Detachment Faults. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2021JB022177	3.6	1
5	Crustal structure beneath the Zhongsha Block and the adjacent abyssal basins, South China Sea: New insights into rifting and initiation of seafloor spreading. *Gondwana Research*, **2021**, 99, 53-76	5.1	1
4	The Rift and Continent-Ocean Transition Structure Under the Tagus Abyssal Plain West of the Iberia. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2021JB022629	3.6	0
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2	Basin inversion: reactivated rift structures in the central Ligurian Sea revealed using ocean bottom seismometers. *Solid Earth*, **2021**, 12, 2553-2571	3.3	0

Constraining the maximum depth of brittle deformation at slow- and ultraslow-spreading ridges using microseismicity: REPLY. *Geology*, **2020**, 48, e502-e502