

Tim A Minshull

List of Publications by Year in descending order

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173
papers

8,289
citations

39113

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64407

83
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184
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184
docs citations

184
times ranked

5630
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of magma-poor continental margins from rifting to seafloor spreading. <i>Nature</i> , 2001, 413, 150-154.	13.7	531
2	Escape of methane gas from the seabed along the West Spitsbergen continental margin. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	406
3	Deep structure of the ocean-continent transition in the southern Iberia Abyssal Plain from seismic refraction profiles: The IAM-9 transect at 40°20'N. <i>Journal of Geophysical Research</i> , 2000, 105, 5859-5885.	3.3	281
4	Velocity Structure of a Gas Hydrate Reflector. <i>Science</i> , 1993, 260, 204-207.	6.0	236
5	Elastic properties of hydrate-bearing sediments using effective medium theory. <i>Journal of Geophysical Research</i> , 2000, 105, 561-577.	3.3	228
6	Tectonosedimentary evolution of the deep Iberia-Newfoundland margins: Evidence for a complex breakup history. <i>Tectonics</i> , 2007, 26, n/a-n/a.	1.3	210
7	Age of Seychelles-India break-up. <i>Earth and Planetary Science Letters</i> , 2008, 272, 264-277.	1.8	185
8	Elastic velocity models for gas-hydrate-bearing sediments-a comparison. <i>Geophysical Journal International</i> , 2004, 159, 573-590.	1.0	174
9	Deep structure of the ocean-continent transition in the southern Iberia Abyssal Plain from seismic refraction profiles: Ocean Drilling Program (Legs 149 and 173) transect. <i>Journal of Geophysical Research</i> , 1999, 104, 7443-7462.	3.3	172
10	Melt Generation at Very Slow-Spreading Oceanic Ridges: Constraints from Geochemical and Geophysical Data. <i>Journal of Petrology</i> , 2001, 42, 1171-1196.	1.1	156
11	Seismic velocity structure at a gas hydrate reflector, offshore western Colombia, from full waveform inversion. <i>Journal of Geophysical Research</i> , 1994, 99, 4715-4734.	3.3	140
12	Thin crust beneath ocean drilling program borehole 735B at the Southwest Indian Ridge?. <i>Earth and Planetary Science Letters</i> , 1997, 148, 93-107.	1.8	114
13	Estimation of gas hydrate concentration from multi-component seismic data at sites on the continental margins of NW Svalbard and the Storegga region of Norway. <i>Marine and Petroleum Geology</i> , 2008, 25, 744-758.	1.5	114
14	Segmentation and melt supply at the Southwest Indian Ridge. <i>Geology</i> , 1999, 27, 867.	2.0	113
15	Three-dimensional tomographic inversion of combined reflection and refraction seismic traveltimes data. <i>Geophysical Journal International</i> , 2003, 152, 79-93.	1.0	112
16	Natural gas hydrates on the southeast U.S. margin: Constraints from full waveform and travel time inversions of wide-angle seismic data. <i>Journal of Geophysical Research</i> , 1997, 102, 15345-15365.	3.3	106
17	New seismic images of oceanic crustal structure. <i>Geology</i> , 1990, 18, 462.	2.0	93
18	Crustal structure of the Southwest Indian Ridge at 66°E: seismic constraints. <i>Geophysical Journal International</i> , 2006, 166, 135-147.	1.0	92

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19	Seismic velocity studies of a gas hydrate bottom-simulating reflector on the northern Cascadia continental margin: Amplitude modeling and full waveform inversion. <i>Journal of Geophysical Research</i> , 1999, 104, 1179-1191.	3.3	89
20	Crustal structure at the Blake Spur Fracture Zone from expanding spread profiles. <i>Journal of Geophysical Research</i> , 1991, 96, 9955-9984.	3.3	88
21	Velocity structure of a bottom simulating reflector offshore Peru: Results from full waveform inversion. <i>Earth and Planetary Science Letters</i> , 1996, 139, 459-469.	1.8	87
22	Active faults in the Sea of Marmara, western Turkey, imaged by seismic reflection profiles. <i>Terra Nova</i> , 1999, 11, 223-227.	0.9	84
23	Cenozoic evolution of the eastern Black Sea: A test of depth-dependent stretching models. <i>Earth and Planetary Science Letters</i> , 2008, 265, 360-378.	1.8	84
24	Evidence for a thick free gas layer beneath the bottom simulating reflector in the Makran accretionary prism. <i>Marine Geology</i> , 2000, 164, 3-12.	0.9	82
25	The relationship between rifting and magmatism in the northeastern Arabian Sea. <i>Nature Geoscience</i> , 2008, 1, 463-467.	5.4	81
26	Spatial distribution of hotspot material added to the lithosphere under La Réunion, from wide-angle seismic data. <i>Journal of Geophysical Research</i> , 1999, 104, 2875-2893.	3.3	80
27	Abrupt transition from magma-starved to magma-rich rifting in the eastern Black Sea. <i>Geology</i> , 2009, 37, 7-10.	2.0	79
28	Combinations of volcanic-flank and seafloor-sediment failure offshore Montserrat, and their implications for tsunami generation. <i>Earth and Planetary Science Letters</i> , 2012, 319-320, 228-240.	1.8	77
29	Geophysical characterisation of the ocean-continent transition at magma-poor rifted margins. <i>Comptes Rendus - Geoscience</i> , 2009, 341, 382-393.	0.4	76
30	The importance of rift history for volcanic margin formation. <i>Nature</i> , 2010, 465, 913-917.	13.7	76
31	Fault-controlled hydration of the upper mantle during continental rifting. <i>Nature Geoscience</i> , 2016, 9, 384-388.	5.4	75
32	Crustal structure of the Southwest Indian Ridge at the Atlantis II Fracture Zone. <i>Journal of Geophysical Research</i> , 2000, 105, 25809-25828.	3.3	72
33	Water saturation effects on elastic wave attenuation in porous rocks with aligned fractures. <i>Geophysical Journal International</i> , 2014, 197, 943-947.	1.0	72
34	Methane release from warming-induced hydrate dissociation in the West Svalbard continental margin: Timing, rates, and geological controls. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 22-38.	1.4	71
35	Seismic structure of oceanic crust in the western North Atlantic. <i>Journal of Geophysical Research</i> , 1993, 98, 13879-13903.	3.3	70
36	From continental extension to seafloor spreading: crustal structure of the Goban Spur rifted margin, southwest of the UK. <i>Geophysical Journal International</i> , 2005, 163, 527-546.	1.0	70

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37	Magma chamber properties from integrated seismic tomography and thermal modeling at Montserrat. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	70
38	Internal deformation and compaction of the Makran accretionary wedge. <i>Terra Nova</i> , 1997, 9, 101-104.	0.9	68
39	The nature and distribution of bottom simulating reflectors at the Costa Rican convergent margin. <i>Geophysical Journal International</i> , 1998, 133, 219-229.	1.0	67
40	Widespread and progressive seafloor-sediment failure following volcanic debris avalanche emplacement: Landslide dynamics and timing offshore Montserrat, Lesser Antilles. <i>Marine Geology</i> , 2012, 323-325, 69-94.	0.9	67
41	Extension across the Indian-Arabian plate boundary: the Murray Ridge. <i>Geophysical Journal International</i> , 2000, 142, 461-477.	1.0	64
42	An effective medium inversion algorithm for gas hydrate quantification and its application to laboratory and borehole measurements of gas hydrate-bearing sediments. <i>Geophysical Journal International</i> , 2006, 166, 543-552.	1.0	64
43	Upper crustal structure of an active volcano from refraction/reflection tomography, Montserrat, Lesser Antilles. <i>Geophysical Journal International</i> , 2010, 180, 685-696.	1.0	63
44	Sea-floor spreading in the presence of the Iceland plume: the structure of the Reykjanes Ridge at 61°40'N. <i>Journal of the Geological Society</i> , 1995, 152, 1023-1029.	0.9	62
45	Deep structure in the vicinity of the ocean-continent transition zone under the southern Iberia Abyssal Plain. <i>Geology</i> , 1998, 26, 743.	2.0	61
46	The effect of hydrate content on seismic attenuation: A case study for Mallik 2L-38 well data, Mackenzie delta, Canada. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	59
47	Evidence from three-dimensional seismic tomography for a substantial accumulation of gas hydrate in a fluid escape chimney in the Nyegga pockmark field, offshore Norway. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	58
48	Hydrate occurrence in Europe: A review of available evidence. <i>Marine and Petroleum Geology</i> , 2020, 111, 735-764.	1.5	56
49	The response of methane hydrate beneath the seabed offshore Svalbard to ocean warming during the next three centuries. <i>Geophysical Research Letters</i> , 2013, 40, 5159-5163.	1.5	55
50	Observations from the Alpine Tethys and Iberia-Newfoundland margins pertinent to the interpretation of continental breakup. <i>Geological Society Special Publication</i> , 2007, 282, 291-324.	0.8	54
51	Tectonic implications of exposure of lower continental crust beneath the Iberia Abyssal Plain, Northeast Atlantic Ocean: Geophysical evidence. <i>Tectonics</i> , 2000, 19, 919-942.	1.3	53
52	Continental hyperextension, mantle exhumation, and thin oceanic crust at the continent-ocean transition, West Iberia: New insights from wide-angle seismic. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3177-3199.	1.4	53
53	Along-axis variation in crustal thickness at the ultraslow spreading Southwestern Indian Ridge (50°E) from a wide-angle seismic experiment. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 468-485.	1.0	51
54	Deformation at plate boundaries around the gulf of Oman. <i>Marine Geology</i> , 1992, 104, 265-277.	0.9	50

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55	Is the oceanic Moho a serpentinization front?. Geological Society Special Publication, 1998, 148, 71-80.	0.8	50
56	A joint electromagnetic and seismic study of an active pockmark within the hydrate stability field at the Vestnesa Ridge, West Svalbard margin. Journal of Geophysical Research: Solid Earth, 2015, 120, 6797-6822.	1.4	50
57	Seismic constraints on the effects of gas hydrate on sediment physical properties and fluid flow: a review. Geofluids, 2003, 3, 275-289.	0.3	48
58	Low degree melting under the Southwest Indian Ridge: the roles of mantle temperature, conductive cooling and wet melting. Earth and Planetary Science Letters, 2001, 188, 383-398.	1.8	47
59	Seismic evidence for shallow gas escape features associated with a retreating gas hydrate zone offshore west Svalbard. Journal of Geophysical Research, 2012, 117, .	3.3	47
60	Extension of the North Anatolian Fault into the North Aegean Trough: Evidence for transtension, strain partitioning, and analogues for Sea of Marmara basin models. Tectonics, 2004, 23, n/a-n/a.	1.3	46
61	3D development of detachment faulting during continental breakup. Earth and Planetary Science Letters, 2019, 515, 90-99.	1.8	45
62	Factors influencing magmatism during continental breakup: New insights from a wide-angle seismic experiment across the conjugate Seychelles-Indian margins. Journal of Geophysical Research, 2009, 114, .	3.3	44
63	Three-dimensional seismic velocity tomography of Montserrat from the SEA-CALIPSO offshore/onshore experiment. Geophysical Research Letters, 2010, 37, .	1.5	43
64	Laboratory Insights Into the Effect of Sediment-Hosted Methane Hydrate Morphology on Elastic Wave Velocity From Time-Lapse 4D Synchrotron X-Ray Computed Tomography. Geochemistry, Geophysics, Geosystems, 2018, 19, 4502-4521.	1.0	43
65	Velocity structure of a gas hydrate reflector at Ocean Drilling Program site 889 from a global seismic waveform inversion. Journal of Geophysical Research, 1994, 99, 24221-24233.	3.3	41
66	Interaction between faulting and sedimentation in the Sea of Marmara, western Turkey. Journal of Geophysical Research, 2002, 107, EPM 2-1-EPM 2-20.	3.3	41
67	Constraints Imposed by Rift Inheritance on the Compressional Reactivation of a Hyperextended Margin: Mapping Rift Domains in the North Iberian Margin and in the Cantabrian Mountains. Tectonics, 2018, 37, 758-785.	1.3	41
68	Three-dimensional crustal structure of Ascension Island from active source seismic tomography. Geophysical Journal International, 2004, 159, 311-325.	1.0	39
69	Characterization of a stratigraphically constrained gas hydrate system along the western continental margin of Svalbard from ocean bottom seismometer data. Journal of Geophysical Research, 2011, 116, .	3.3	38
70	Crustal structure of Ascension Island from wide-angle seismic data: implications for the formation of near-ridge volcanic islands. Earth and Planetary Science Letters, 2001, 190, 41-56.	1.8	37
71	Morphology and tectonics of the Mid-Atlantic Ridge, 7°-12°S. Journal of Geophysical Research, 2003, 108, .	3.3	37
72	Assessment of gas-hydrate saturations in the Makran accretionary prism using the offset dependence of seismic amplitudes. Geophysics, 2010, 75, C1-C6.	1.4	37

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73	Joint elastic-electrical effective medium models of reservoir sandstones. <i>Geophysical Prospecting</i> , 2011, 59, 777-786.	1.0	37
74	Experimental observation of water saturation effects on shear wave splitting in synthetic rock with fractures aligned at oblique angles. <i>Geophysical Journal International</i> , 2015, 200, 17-24.	1.0	37
75	An anisotropic model for the electrical resistivity of two-phase geologic materials. <i>Geophysics</i> , 2010, 75, E161-E170.	1.4	36
76	Thin Crust On the Flanks of the Slow-Spreading Southwest Indian Ridge. <i>Geophysical Journal International</i> , 1996, 125, 139-148.	1.0	35
77	Thin oceanic crust and flood basalts: India-Seychelles breakup. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	1.0	35
78	Presence and Consequences of Coexisting Methane Gas With Hydrate Under Two Phase Water-Hydrate Stability Conditions. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3377-3390.	1.4	35
79	Switching of a paleo-ice stream in northwest Svalbard. <i>Quaternary Science Reviews</i> , 2011, 30, 1710-1725.	1.4	34
80	The peridotite ridge province in the southern Iberia Abyssal Plain: Seismic constraints revisited. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1580-1598.	1.4	34
81	Water saturation effects on <i>P</i> -wave anisotropy in synthetic sandstone with aligned fractures. <i>Geophysical Journal International</i> , 2015, 202, 1088-1095.	1.0	34
82	Marine Mineral Exploration With Controlled Source Electromagnetics at the TAG Hydrothermal Field, 26°N Mid-Atlantic Ridge. <i>Geophysical Research Letters</i> , 2019, 46, 5808-5816.	1.5	34
83	Ridge-plume interactions or mantle heterogeneity near Ascension Island?. <i>Geology</i> , 1998, 26, 115.	2.0	32
84	Controlled-source electromagnetic and seismic delineation of subseafloor fluid flow structures in a gas hydrate province, offshore Norway. <i>Geophysical Journal International</i> , 2016, 206, 1093-1110.	1.0	32
85	Crustal strain-dependent serpentinisation in the Porcupine Basin, offshore Ireland. <i>Earth and Planetary Science Letters</i> , 2017, 474, 148-159.	1.8	32
86	Wide-angle seismic data reveal extensive overpressures in the Eastern Black Sea Basin. <i>Geophysical Journal International</i> , 2009, 178, 1145-1163.	1.0	30
87	High-resolution resistivity imaging of marine gas hydrate structures by combined inversion of CSEM towed and ocean-bottom receiver data. <i>Geophysical Journal International</i> , 2018, 214, 1701-1714.	1.0	28
88	Anomalous melt production after continental break-up in the southern Iberia Abyssal Plain. <i>Geological Society Special Publication</i> , 2001, 187, 537-550.	0.8	27
89	Estimates of future warming-induced methane emissions from hydrate offshore west Svalbard for a range of climate models. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1307-1323.	1.0	27
90	Marine dipole-dipole controlled source electromagnetic and coincident-loop transient electromagnetic experiments to detect seafloor massive sulphides: effects of three-dimensional bathymetry. <i>Geophysical Journal International</i> , 2018, 215, 2156-2171.	1.0	26

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91	Fault and magmatic interaction within Iceland's western rift over the last 9 kyr. <i>Geophysical Journal International</i> , 2003, 154, F1-F8.	1.0	25
92	The role of syn-rift magmatism in the rift-to-drift evolution of the West Iberia continental margin: geophysical observations. <i>Geological Society Special Publication</i> , 2001, 187, 107-124.	0.8	24
93	Shallow structure of oceanic crust in the western North Atlantic from seismic waveform inversion and modeling. <i>Journal of Geophysical Research</i> , 1993, 98, 1777-1792.	3.3	23
94	Resolving the fine-scale velocity structure of continental hyperextension at the Deep Galicia Margin using full-waveform inversion. <i>Geophysical Journal International</i> , 2018, 212, 244-263.	1.0	23
95	A social, environmental and economic evaluation protocol for potential gas hydrate exploitation projects. <i>Applied Energy</i> , 2020, 263, 114651.	5.1	23
96	Ocean island densities and models of lithospheric flexure. <i>Geophysical Journal International</i> , 2001, 145, 731-739.	1.0	22
97	Seismic structure of the Mid-Atlantic Ridge, 8°–9°S. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	21
98	Spatial and Temporal Evolution of Rifting and Continental Breakup in the Eastern Black Sea Basin Revealed by Long-Offset Seismic Reflection Data. <i>Tectonics</i> , 2019, 38, 2646-2667.	1.3	21
99	Magmatic and tectonic history of Iceland's western rift zone at Lake Thingvallavatn. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 1451.	1.6	20
100	Quantification of the Intrusive Magma Fluxes during Magma Chamber Growth at Soufriere Hills Volcano (Montserrat, Lesser Antilles). <i>Journal of Petrology</i> , 2014, 55, 529-548.	1.1	20
101	The influence of tidal stresses on deep moonquake activity. <i>Physics of the Earth and Planetary Interiors</i> , 1988, 52, 41-55.	0.7	19
102	A three-dimensional seismic tomographic study of the gas hydrate stability zone, offshore Vancouver Island. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	19
103	Resistivity image beneath an area of active methane seeps in the west Svalbard continental slope. <i>Geophysical Journal International</i> , 2016, 207, 1286-1302.	1.0	19
104	Deep structure of the Porcupine Basin from wide-angle seismic data. <i>Petroleum Geology Conference Proceedings</i> , 2018, 8, 199-209.	0.7	19
105	Laboratory observations of frequency-dependent ultrasonic P-wave velocity and attenuation during methane hydrate formation in Berea sandstone. <i>Geophysical Journal International</i> , 2019, 219, 713-723.	1.0	19
106	Gravity anomalies and flexure of the lithosphere at Ascension Island. <i>Geophysical Journal International</i> , 1997, 131, 347-360.	1.0	18
107	Contrasts in morphology and deformation offshore Montserrat: New insights from the SEACALIPSO marine cruise data. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	18
108	Variations in pockmark composition at the Vestnesa ridge: Insights from marine controlled source electromagnetic and seismic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1111-1125.	1.0	18

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109	Gas hydrate quantification at a pockmark offshore Norway from joint effective medium modelling of resistivity and seismic velocity. <i>Marine and Petroleum Geology</i> , 2020, 113, 104151.	1.5	18
110	Along-axis variations in oceanic crustal density and their contribution to gravity anomalies at slow-spreading ridges. <i>Geophysical Research Letters</i> , 1996, 23, 849-852.	1.5	17
111	Restricted melting under the very slow-spreading Southwest Indian ridge. <i>Geological Society Special Publication</i> , 1996, 118, 131-141.	0.8	17
112	Dalrymple Trough: An active oblique-slip oceanic-continent boundary in the northwest Indian Ocean. <i>Earth and Planetary Science Letters</i> , 2008, 272, 437-445.	1.8	17
113	Compressional structures on the West Iberia rifted margin: controls on their distribution. <i>Geological Society Special Publication</i> , 2008, 306, 169-183.	0.8	17
114	Fine-scale gas distribution in marine sediments assessed from deep-towed seismic data. <i>Geophysical Journal International</i> , 2014, 196, 1466-1470.	1.0	17
115	Variability of Acoustically Evidenced Methane Bubble Emissions Offshore Western Svalbard. <i>Geophysical Research Letters</i> , 2019, 46, 9072-9081.	1.5	17
116	Seismic chimney characterisation in the North Sea - Implications for pockmark formation and shallow gas migration. <i>Marine and Petroleum Geology</i> , 2021, 133, 105301.	1.5	17
117	Lithospheric controls on melt production during continental breakup at slow rates of extension: Application to the North Atlantic. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	16
118	Active Source Seismic Experiment Peers Under Soufriere Hills Volcano. <i>Eos</i> , 2010, 91, 245-247.	0.1	16
119	Flemish Cap-Goban Spur conjugate margins: New evidence of asymmetry. <i>Geology</i> , 2012, 40, 1107-1110.	2.0	16
120	From Continental Hyperextension to Seafloor Spreading: New Insights on the Porcupine Basin From Wide-Angle Seismic Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8312-8330.	1.4	16
121	The effect of heterogeneities in hydrate saturation on gas production from natural systems. <i>Journal of Petroleum Science and Engineering</i> , 2019, 183, 106452.	2.1	16
122	On the roughness of Mesozoic oceanic crust in the western North Atlantic. <i>Geophysical Journal International</i> , 1999, 136, 286-290.	1.0	15
123	Seismic data reveal eastern Black Sea basin structure. <i>Eos</i> , 2005, 86, 413.	0.1	15
124	Seismic constraints on the three-dimensional geometry of low-angle intracrustal reflectors in the Southern Iberia Abyssal Plain. <i>Geophysical Journal International</i> , 2008, 175, 571-586.	1.0	15
125	Modelling the composition of melts formed during continental breakup of the Southeast Greenland margin. <i>Earth and Planetary Science Letters</i> , 2008, 269, 248-258.	1.8	15
126	Waveform inversion of the S reflector west of Spain: Fine structure of a detachment fault. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	13

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127	Measuring the geotherm with gas hydrate bottom-simulating reflectors: a novel approach using three-dimensional seismic data from the eastern Black Sea. <i>Terra Nova</i> , 2010, 22, 131-136.	0.9	13
128	Constraints on an intrusive system beneath the Soufrière Hills Volcano, Montserrat, from finite difference modeling of a controlled source seismic experiment. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	13
129	Elastic and electrical properties and permeability of serpentinites from Atlantis Massif, Mid-Atlantic Ridge. <i>Geophysical Journal International</i> , 2017, 211, 686-699.	1.0	13
130	Multiscale characterisation of chimneys/pipes: Fluid escape structures within sedimentary basins. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103245.	2.3	13
131	Long-term growth and subsidence of Ascension Island: Constraints on the rheology of young oceanic lithosphere. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	12
132	Lateral coexistence of ductile and brittle deformation shapes magma-poor distal margins: An example from the West Iberia-Newfoundland margins. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117288.	1.8	12
133	Inverse modelling and seismic data constraints on overpressure generation by disequilibrium compaction and aquathermal pressuring: application to the Eastern Black Sea Basin. <i>Geophysical Journal International</i> , 2013, 194, 814-833.	1.0	11
134	A disequilibrium compaction model constrained by seismic data and application to overpressure generation in The Eastern Black Sea Basin. <i>Basin Research</i> , 2013, 25, 331-347.	1.3	11
135	Seismic reflection imaging of mixing processes in Fram Strait. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6884-6896.	1.0	11
136	Azimuthal seismic anisotropy in a zone of exhumed continental mantle, West Iberia margin. <i>Geophysical Journal International</i> , 2002, 151, 517-533.	1.0	10
137	Low heat flow from young oceanic lithosphere at the Middle America Trench off Mexico. <i>Earth and Planetary Science Letters</i> , 2005, 239, 33-41.	1.8	10
138	P- and S-wave velocities of consolidated sediments from a seafloor seismic survey in the North Celtic Sea Basin, offshore Ireland. <i>Geophysical Prospecting</i> , 2008, 56, 197-211.	1.0	10
139	Accurate Modelling of Sonobuoy Refraction Data to Determine Velocity Variations in Oceanic Crust. <i>Marine Geophysical Researches</i> , 1997, 19, 25-36.	0.5	9
140	Tomographic seismic studies of the methane hydrate stability zone in the Cascadia Margin. <i>Geological Society Special Publication</i> , 1998, 137, 133-140.	0.8	9
141	The break-up of continents and the formation of new ocean basins. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2002, 360, 2839-2852.	1.6	9
142	Mechanistic insights into a hydrate contribution to the Paleocene-Eocene carbon cycle perturbation from coupled thermohydraulic simulations. <i>Geophysical Research Letters</i> , 2016, 43, 8637-8644.	1.5	9
143	Crustal structure of the Mid Black Sea High from wide-angle seismic data. <i>Geological Society Special Publication</i> , 2018, 464, 19-32.	0.8	9
144	Gravity anomalies and crustal structure at the Mesozoic Blake Spur Fracture Zone. <i>Journal of Geophysical Research</i> , 1995, 100, 17771-17779.	3.3	8

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145	Wide-angle seismic data reveal sedimentary and crustal structure of the Eastern Black Sea. <i>The Leading Edge</i> , 2009, 28, 1056-1065.	0.4	8
146	Deep-water continental margins: geological and economic frontiers. <i>Basin Research</i> , 2014, 26, 3-9.	1.3	8
147	Integrated geophysical characterization of crustal domains in the eastern Black Sea. <i>Geology</i> , 2020, 48, 405-409.	2.0	8
148	Porosity and free gas estimates from controlled source electromagnetic data at the Scanner Pockmark in the North Sea. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103343.	2.3	8
149	Poisson's ratio of a seaward-dipping reflector series, Hatton Bank. <i>Geophysical Journal International</i> , 1993, 115, 332-335.	1.0	7
150	Geometry of a mid-ocean-ridge normal fault. <i>Geology</i> , 1997, 25, 835.	2.0	7
151	The Sea of Marmara: A two-dimensional seismic reflection profile data archive. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	7
152	Localized rifting at Chagos Bank in the India-Capricorn plate boundary zone. <i>Geology</i> , 2004, 32, 237.	2.0	7
153	6. Analysis of Gas-Hydrate Provinces by Ocean-Bottom Seismic Methods. , 2010, , 95-108.		7
154	Crustal structure of the Murray Ridge, northwest Indian Ocean, from wide-angle seismic data. <i>Geophysical Journal International</i> , 2015, 202, 454-463.	1.0	7
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