Tim A Minshull

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6320476/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Evolution of magma-poor continental margins from rifting to seafloor spreading. Nature, 2001, 413, 150-154.	27.8	531
2	Escape of methane gas from the seabed along the West Spitsbergen continental margin. Geophysical Research Letters, 2009, 36, .	4.0	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. Journal of Geophysical Research, 2000, 105, 5859-5885.	3.3	281
4	Velocity Structure of a Gas Hydrate Reflector. Science, 1993, 260, 204-207.	12.6	236
5	Elastic properties of hydrate-bearing sediments using effective medium theory. Journal of Geophysical Research, 2000, 105, 561-577.	3.3	228
6	Tectonosedimentary evolution of the deep Iberia-Newfoundland margins: Evidence for a complex breakup history. Tectonics, 2007, 26, n/a-n/a.	2.8	210
7	Age of Seychelles–India break-up. Earth and Planetary Science Letters, 2008, 272, 264-277.	4.4	185
8	Elastic velocity models for gas-hydrate-bearing sediments-a comparison. Geophysical Journal International, 2004, 159, 573-590.	2.4	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. Journal of Geophysical Research, 1999, 104, 7443-7462.	3.3	172
10	Melt Generation at Very Slow-Spreading Oceanic Ridges: Constraints from Geochemical and Geophysical Data. Journal of Petrology, 2001, 42, 1171-1196.	2.8	156
11	Seismic velocity structure at a gas hydrate reflector, offshore western Colombia, from full waveform inversion. Journal of Geophysical Research, 1994, 99, 4715-4734.	3.3	140
12	Thin crust beneath ocean drilling program borehole 735B at the Southwest Indian Ridge?. Earth and Planetary Science Letters, 1997, 148, 93-107.	4.4	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. Marine and Petroleum Geology, 2008, 25, 744-758.	3.3	114
14	Segmentation and melt supply at the Southwest Indian Ridge. Geology, 1999, 27, 867.	4.4	113
15	Three-dimensional tomographic inversion of combined reflection and refraction seismic traveltime data. Geophysical Journal International, 2003, 152, 79-93.	2.4	112
16	Natural gas hydrates on the southeast U.S. margin: Constraints from full waveform and travel time inversions of wide-angle seismic data. Journal of Geophysical Research, 1997, 102, 15345-15365.	3.3	106
17	New seismic images of oceanic crustal structure. Geology, 1990, 18, 462.	4.4	93
18	Crustal structure of the Southwest Indian Ridge at 66ºE: seismic constraints. Geophysical Journal International, 2006, 166, 135-147.	2.4	92

#	Article	IF	CITATIONS
19	Seismic velocity studies of a gas hydrate bottom-simulating reflector on the northern Cascadia continental margin: Amplitude modeling and full waveform inversion. Journal of Geophysical Research, 1999, 104, 1179-1191.	3.3	89
20	Crustal structure at the Blake Spur Fracture Zone from expanding spread profiles. Journal of Geophysical Research, 1991, 96, 9955-9984.	3.3	88
21	Velocity structure of a bottom simulating reflector offshore Peru: Results from full waveform inversion. Earth and Planetary Science Letters, 1996, 139, 459-469.	4.4	87
22	Active faults in the Sea of Marmara, western Turkey, imaged by seismic reflection profiles. Terra Nova, 1999, 11, 223-227.	2.1	84
23	Cenozoic evolution of the eastern Black Sea: A test of depth-dependent stretching models. Earth and Planetary Science Letters, 2008, 265, 360-378.	4.4	84
24	Evidence for a thick free gas layer beneath the bottom simulating reflector in the Makran accretionary prism. Marine Geology, 2000, 164, 3-12.	2.1	82
25	The relationship between rifting and magmatism in the northeastern ArabianÂSea. Nature Geoscience, 2008, 1, 463-467.	12.9	81
26	Spatial distribution of hotspot material added to the lithosphere under La Réunion, from wide-angle seismic data. Journal of Geophysical Research, 1999, 104, 2875-2893.	3.3	80
27	Abrupt transition from magma-starved to magma-rich rifting in the eastern Black Sea. Geology, 2009, 37, 7-10.	4.4	79
28	Combinations of volcanic-flank and seafloor-sediment failure offshore Montserrat, and their implications for tsunami generation. Earth and Planetary Science Letters, 2012, 319-320, 228-240.	4.4	77
29	Geophysical characterisation of the ocean–continent transition at magma-poor rifted margins. Comptes Rendus - Geoscience, 2009, 341, 382-393.	1.2	76
30	The importance of rift history for volcanic margin formation. Nature, 2010, 465, 913-917.	27.8	76
31	Fault-controlled hydration of the upper mantle during continentalÂrifting. Nature Geoscience, 2016, 9, 384-388.	12.9	75
32	Crustal structure of the Southwest Indian Ridge at the Atlantis II Fracture Zone. Journal of Geophysical Research, 2000, 105, 25809-25828.	3.3	72
33	Water saturation effects on elastic wave attenuation in porous rocks with aligned fractures. Geophysical Journal International, 2014, 197, 943-947.	2.4	72
34	Methane release from warmingâ€induced hydrate dissociation in the West Svalbard continental margin: Timing, rates, and geological controls. Journal of Geophysical Research: Solid Earth, 2013, 118, 22-38.	3.4	71
35	Seismic structure of oceanic crust in the western North Atlantic. Journal of Geophysical Research, 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. Geophysical Journal International, 2005, 163, 527-546.	2.4	70

#	Article	IF	CITATIONS
37	Magma chamber properties from integrated seismic tomography and thermal modeling at Montserrat. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	70
38	Internal deformation and compaction of the Makran accretionary wedge. Terra Nova, 1997, 9, 101-104.	2.1	68
39	The nature and distribution of bottom simulating reflectors at the Costa Rican convergent margin. Geophysical Journal International, 1998, 133, 219-229.	2.4	67
40	Widespread and progressive seafloor-sediment failure following volcanic debris avalanche emplacement: Landslide dynamics and timing offshore Montserrat, Lesser Antilles. Marine Geology, 2012, 323-325, 69-94.	2.1	67
41	Extension across the Indian-Arabian plate boundary: the Murray Ridge. Geophysical Journal International, 2000, 142, 461-477.	2.4	64
42	An effective medium inversion algorithm for gas hydrate quantification and its application to laboratory and borehole measurements of gas hydrate-bearing sediments. Geophysical Journal International, 2006, 166, 543-552.	2.4	64
43	Upper crustal structure of an active volcano from refraction/reflection tomography, Montserrat, Lesser Antilles. Geophysical Journal International, 2010, 180, 685-696.	2.4	63
44	Sea-floor spreading in the presence of the Iceland plume: the structure of the Reykjanes Ridge at 61°40′N. Journal of the Geological Society, 1995, 152, 1023-1029.	2.1	62
45	Deep structure in the vicinity of the ocean-continent transition zone under the southern Iberia Abyssal Plain. Geology, 1998, 26, 743.	4.4	61
46	The effect of hydrate content on seismic attenuation: A case study for Mallik 2L-38 well data, Mackenzie delta, Canada. Geophysical Research Letters, 2004, 31, .	4.0	59
47	Evidence from threeâ€dimensional seismic tomography for a substantial accumulation of gas hydrate in a fluidâ€escape chimney in the Nyegga pockmark field, offshore Norway. Journal of Geophysical Research, 2010, 115, .	3.3	58
48	Hydrate occurrence in Europe: A review of available evidence. Marine and Petroleum Geology, 2020, 111, 735-764.	3.3	56
49	The response of methane hydrate beneath the seabed offshore Svalbard to ocean warming during the next three centuries. Geophysical Research Letters, 2013, 40, 5159-5163.	4.0	55
50	Observations from the Alpine Tethys and Iberia–Newfoundland margins pertinent to the interpretation of continental breakup. Geological Society Special Publication, 2007, 282, 291-324.	1.3	54
51	Tectonic implications of exposure of lower continental crust beneath the Iberia Abyssal Plain, Northeast Atlantic Ocean: Geophysical evidence. Tectonics, 2000, 19, 919-942.	2.8	53
52	Continental hyperextension, mantle exhumation, and thin oceanic crust at the continentâ€ocean transition, West Iberia: New insights from wideâ€angle seismic. Journal of Geophysical Research: Solid Earth, 2016, 121, 3177-3199.	3.4	53
53	Alongâ€axis variation in crustal thickness at the ultraslow spreading <scp>S</scp> outhwest <scp>I</scp> ndian <scp>R</scp> idge (50°E) from a wideâ€angle seismic experiment. Geochemistry, Geophysics, Geosystems, 2015, 16, 468-485.	2.5	51
54	Deformation at plate boundaries around the gulf of Oman. Marine Geology, 1992, 104, 265-277.	2.1	50

#	Article	IF	CITATIONS
55	Is the oceanic Moho a serpentinization front?. Geological Society Special Publication, 1998, 148, 71-80.	1.3	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.	3.4	50
57	Seismic constraints on the effects of gas hydrate on sediment physical properties and fluid flow: a review. Geofluids, 2003, 3, 275-289.	0.7	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.	4.4	47
59	Seismic evidence for shallow gasâ \in 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.	2.8	46
61	3D development of detachment faulting during continental breakup. Earth and Planetary Science Letters, 2019, 515, 90-99.	4.4	45
62	Factors influencing magmatism during continental breakup: New insights from a wideâ€angle seismic experiment across the conjugate Seychellesâ€Indian margins. Journal of Geophysical Research, 2009, 114,	3.3	44
63	Threeâ€dimensional seismic velocity tomography of Montserrat from the SEAâ€CALIPSO offshore/onshore experiment. Geophysical Research Letters, 2010, 37, .	4.0	43
64	Laboratory Insights Into the Effect of Sedimentâ€Hosted Methane Hydrate Morphology on Elastic Wave Velocity From Timeâ€Lapse 4â€Ð Synchrotron Xâ€Ray Computed Tomography. Geochemistry, Geophysics, Geosystems, 2018, 19, 4502-4521.	2.5	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.	2.8	41
68	Three-dimensional crustal structure of Ascension Island from active source seismic tomography. Geophysical Journal International, 2004, 159, 311-325.	2.4	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.	4.4	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.	2.6	37

#	Article	IF	CITATIONS
73	Joint elasticâ€ e lectrical effective medium models of reservoir sandstones. Geophysical Prospecting, 2011, 59, 777-786.	1.9	37
74	Experimental observation of water saturation effects on shear wave splitting in synthetic rock with fractures aligned at oblique angles. Geophysical Journal International, 2015, 200, 17-24.	2.4	37
75	An anisotropic model for the electrical resistivity of two-phase geologic materials. Geophysics, 2010, 75, E161-E170.	2.6	36
76	Thin Crust On the Flanks of the Slow-Spreading Southwest Indian Ridge. Geophysical Journal International, 1996, 125, 139-148.	2.4	35
77	Thin oceanic crust and flood basalts: India‣eychelles breakup. Geochemistry, Geophysics, Geosystems, 2011, 12, .	2.5	35
78	Presence and Consequences of Coexisting Methane Gas With Hydrate Under Two Phase Waterâ€Hydrate Stability Conditions. Journal of Geophysical Research: Solid Earth, 2018, 123, 3377-3390.	3.4	35
79	Switching of a paleo-ice stream in northwest Svalbard. Quaternary Science Reviews, 2011, 30, 1710-1725.	3.0	34
80	The peridotite ridge province in the southern Iberia Abyssal Plain: Seismic constraints revisited. Journal of Geophysical Research: Solid Earth, 2014, 119, 1580-1598.	3.4	34
81	Water saturation effects on <i>P</i> -wave anisotropy in synthetic sandstone with aligned fractures. Geophysical Journal International, 2015, 202, 1088-1095.	2.4	34
82	Marine Mineral Exploration With Controlled Source Electromagnetics at the TAG Hydrothermal Field, 26°N Midâ€Atlantic Ridge. Geophysical Research Letters, 2019, 46, 5808-5816.	4.0	34
83	Ridge-plume interactions or mantle heterogeneity near Ascension Island?. Geology, 1998, 26, 115.	4.4	32
84	Controlled-source electromagnetic and seismic delineation of subseafloor fluid flow structures in a gas hydrate province, offshore Norway. Geophysical Journal International, 2016, 206, 1093-1110.	2.4	32
85	Crustal strain-dependent serpentinisation in the Porcupine Basin, offshore Ireland. Earth and Planetary Science Letters, 2017, 474, 148-159.	4.4	32
86	Wide-angle seismic data reveal extensive overpressures in the Eastern Black Sea Basin. Geophysical Journal International, 2009, 178, 1145-1163.	2.4	30
87	High-resolution resistivity imaging of marine gas hydrate structures by combined inversion of CSEM towed and ocean-bottom receiver data. Geophysical Journal International, 2018, 214, 1701-1714.	2.4	28
88	Anomalous melt production after continental break-up in the southern Iberia Abyssal Plain. Geological Society Special Publication, 2001, 187, 537-550.	1.3	27
89	Estimates of future warmingâ€induced methane emissions from hydrate offshore west <scp>S</scp> valbard for a range of climate models. Geochemistry, Geophysics, Geosystems, 2015, 16, 1307-1323.	2.5	27
90	Marine dipole–dipole controlled source electromagnetic and coincident-loop transient electromagnetic experiments to detect seafloor massive sulphides: effects of three-dimensional bathymetry. Geophysical Journal International, 2018, 215, 2156-2171.	2.4	26

#	Article	IF	CITATIONS
91	Fault and magmatic interaction within Iceland's western rift over the last 9 kyr. Geophysical Journal International, 2003, 154, F1-F8.	2.4	25
92	The role of syn-rift magmatism in the rift-to-drift evolution of the West Iberia continental margin: geophysical observations. Geological Society Special Publication, 2001, 187, 107-124.	1.3	24
93	Shallow structure of oceanic crust in the western North Atlantic from seismic waveform inversion and modeling. Journal of Geophysical Research, 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. Geophysical Journal International, 2018, 212, 244-263.	2.4	23
95	A social, environmental and economic evaluation protocol for potential gas hydrate exploitation projects. Applied Energy, 2020, 263, 114651.	10.1	23
96	Ocean island densities and models of lithospheric flexure. Geophysical Journal International, 2001, 145, 731-739.	2.4	22
97	Seismic structure of the Mid-Atlantic Ridge, 8–9°S. Journal of Geophysical Research, 2003, 108, .	3.3	21
98	Spatial and Temporal Evolution of Rifting and Continental Breakup in the Eastern Black Sea Basin Revealed by Longâ€Offset Seismic Reflection Data. Tectonics, 2019, 38, 2646-2667.	2.8	21
99	Magmatic and tectonic history of Iceland's western rift zone at Lake Thingvallavatn. Bulletin of the Geological Society of America, 2005, 117, 1451.	3.3	20
100	Quantification of the Intrusive Magma Fluxes during Magma Chamber Growth at Soufriere Hills Volcano (Montserrat, Lesser Antilles). Journal of Petrology, 2014, 55, 529-548.	2.8	20
101	The influence of tidal stresses on deep moonquake activity. Physics of the Earth and Planetary Interiors, 1988, 52, 41-55.	1.9	19
102	A three-dimensional seismic tomographic study of the gas hydrate stability zone, offshore Vancouver Island. Journal of Geophysical Research, 2005, 110, .	3.3	19
103	Resistivity image beneath an area of active methane seeps in the west Svalbard continental slope. Geophysical Journal International, 2016, 207, 1286-1302.	2.4	19
104	Deep structure of the Porcupine Basin from wide-angle seismic data. Petroleum Geology Conference Proceedings, 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. Geophysical Journal International, 2019, 219, 713-723.	2.4	19
106	Gravity anomalies and flexure of the lithosphere at Ascension Island. Geophysical Journal International, 1997, 131, 347-360.	2.4	18
107	Contrasts in morphology and deformation offshore Montserrat: New insights from the SEA ALIPSO marine cruise data. Geophysical Research Letters, 2010, 37, .	4.0	18
108	Variations in pockmark composition at the <scp>V</scp> estnesa <scp>R</scp> idge: Insights from marine controlled source electromagnetic and seismic data. Geochemistry, Geophysics, Geosystems, 2017, 18, 1111-1125.	2.5	18

7

#	Article	IF	CITATIONS
109	Gas hydrate quantification at a pockmark offshore Norway from joint effective medium modelling of resistivity and seismic velocity. Marine and Petroleum Geology, 2020, 113, 104151.	3.3	18
110	Along-axis variations in oceanic crustal density and their contribution to gravity anomalies at slow-spreading ridges. Geophysical Research Letters, 1996, 23, 849-852.	4.0	17
111	Restricted melting under the very slow-spreading Southwest Indian ridge. Geological Society Special Publication, 1996, 118, 131-141.	1.3	17
112	Dalrymple Trough: An active oblique-slip ocean–continent boundary in the northwest Indian Ocean. Earth and Planetary Science Letters, 2008, 272, 437-445.	4.4	17
113	Compressional structures on the West Iberia rifted margin: controls on their distribution. Geological Society Special Publication, 2008, 306, 169-183.	1.3	17
114	Fine-scale gas distribution in marine sediments assessed from deep-towed seismic data. Geophysical Journal International, 2014, 196, 1466-1470.	2.4	17
115	Variability of Acoustically Evidenced Methane Bubble Emissions Offshore Western Svalbard. Geophysical Research Letters, 2019, 46, 9072-9081.	4.0	17
116	Seismic chimney characterisation in the North Sea $\hat{a} \in$ Implications for pockmark formation and shallow gas migration. Marine and Petroleum Geology, 2021, 133, 105301.	3.3	17
117	Lithospheric controls on melt production during continental breakup at slow rates of extension: Application to the North Atlantic. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	16
118	Active Source Seismic Experiment Peers Under SoufriÃ [¨] re Hills Volcano. Eos, 2010, 91, 245-247.	0.1	16
119	Flemish Cap-Goban Spur conjugate margins: New evidence of asymmetry. Geology, 2012, 40, 1107-1110.	4.4	16
120	From Continental Hyperextension to Seafloor Spreading: New Insights on the Porcupine Basin From Wideâ€Angle Seismic Data. Journal of Geophysical Research: Solid Earth, 2018, 123, 8312-8330.	3.4	16
121	The effect of heterogeneities in hydrate saturation on gas production from natural systems. Journal of Petroleum Science and Engineering, 2019, 183, 106452.	4.2	16
122	On the roughness of Mesozoic oceanic crust in the western North Atlantic. Geophysical Journal International, 1999, 136, 286-290.	2.4	15
123	Seismic data reveal eastern Black Sea basin structure. Eos, 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. Geophysical Journal International, 2008, 175, 571-586.	2.4	15
125	Modelling the composition of melts formed during continental breakup of the Southeast Greenland margin. Earth and Planetary Science Letters, 2008, 269, 248-258.	4.4	15
126	Waveform inversion of the S reflector west of Spain: Fine structure of a detachment fault. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	13

#	Article	IF	CITATIONS
127	Measuring the geotherm with gas hydrate bottom-simulating reflectors: a novel approach using three-dimensional seismic data from the eastern Black Sea. Terra Nova, 2010, 22, 131-136.	2.1	13
128	Constraints on an intrusive system beneath the Soufriére Hills Volcano, Montserrat, from finite difference modeling of a controlled source seismic experiment. Geophysical Research Letters, 2010, 37, .	4.0	13
129	Elastic and electrical properties and permeability of serpentinites from Atlantis Massif, Mid-Atlantic Ridge. Geophysical Journal International, 2017, 211, 686-699.	2.4	13
130	Multiscale characterisation of chimneys/pipes: Fluid escape structures within sedimentary basins. International Journal of Greenhouse Gas Control, 2021, 106, 103245.	4.6	13
131	Longâ€ŧerm growth and subsidence of Ascension Island: Constraints on the rheology of young oceanic lithosphere. Geophysical Research Letters, 2010, 37, .	4.0	12
132	Lateral coexistence of ductile and brittle deformation shapes magma-poor distal margins: An example from the West Iberia-Newfoundland margins. Earth and Planetary Science Letters, 2022, 578, 117288.	4.4	12
133	Inverse modelling and seismic data constraints on overpressure generation by disequilibrium compaction and aquathermal pressuring: application to the Eastern Black Sea Basin. Geophysical Journal International, 2013, 194, 814-833.	2.4	11
134	A disequilibrium compaction model constrained by seismic data and application to overpressure generation in The Eastern Black Sea Basin. Basin Research, 2013, 25, 331-347.	2.7	11
135	Seismic reflection imaging of mixing processes in Fram Strait. Journal of Geophysical Research: Oceans, 2015, 120, 6884-6896.	2.6	11
136	Azimuthal seismic anisotropy in a zone of exhumed continental mantle, West Iberia margin. Geophysical Journal International, 2002, 151, 517-533.	2.4	10
137	Low heat flow from young oceanic lithosphere at the Middle America Trench off Mexico. Earth and Planetary Science Letters, 2005, 239, 33-41.	4.4	10
138	P- and S-wave velocities of consolidated sediments from a seafloor seismic survey in the North Celtic Sea Basin, offshore Ireland. Geophysical Prospecting, 2008, 56, 197-211.	1.9	10
139	Accurate Modelling of Sonobuoy Refraction Data to Determine Velocity Variations in Oceanic Crust. Marine Geophysical Researches, 1997, 19, 25-36.	1.2	9
140	Tomographic seismic studies of the methane hydrate stability zone in the Cascadia Margin. Geological Society Special Publication, 1998, 137, 133-140.	1.3	9
141	The break-up of continents and the formation of new ocean basins. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2002, 360, 2839-2852.	3.4	9
142	Mechanistic insights into a hydrate contribution to the Paleoceneâ€Eocene carbon cycle perturbation from coupled thermohydraulic simulations. Geophysical Research Letters, 2016, 43, 8637-8644.	4.0	9
143	Crustal structure of the Mid Black Sea High from wide-angle seismic data. Geological Society Special Publication, 2018, 464, 19-32.	1.3	9
144	Gravity anomalies and crustal structure at the Mesozoic Blake Spur Fracture Zone. Journal of Geophysical Research, 1995, 100, 17771-17779.	3.3	8

#	Article	IF	CITATIONS
145	Wide-angle seismic data reveal sedimentary and crustal structure of the Eastern Black Sea. The Leading Edge, 2009, 28, 1056-1065.	0.7	8
146	Deepâ€water continental margins: geological and economic frontiers. Basin Research, 2014, 26, 3-9.	2.7	8
147	Integrated geophysical characterization of crustal domains in the eastern Black Sea. Geology, 2020, 48, 405-409.	4.4	8
148	Porosity and free gas estimates from controlled source electromagnetic data at the Scanner Pockmark in the North Sea. International Journal of Greenhouse Gas Control, 2021, 109, 103343.	4.6	8
149	Poisson's ratio of a seaward-dipping reflector series, Hatton Bank. Geophysical Journal International, 1993, 115, 332-335.	2.4	7
150	Geometry of a mid-ocean-ridge normal fault. Geology, 1997, 25, 835.	4.4	7
151	The Sea of Marmara: A two-dimensional seismic reflection profile data archive. Geochemistry, Geophysics, Geosystems, 2003, 4, .	2.5	7
152	Localized rifting at Chagos Bank in the India-Capricorn plate boundary zone. Geology, 2004, 32, 237.	4.4	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. Geophysical Journal International, 2015, 202, 454-463.	2.4	7
155	Wideâ€angle imaging of reflectors in Mesozoic oceanic crust. Geophysical Research Letters, 1993, 20, 1619-1622.	4.0	6
156	An integrated kinematic and geochemical model to determine lithospheric extension and mantle temperature from syn-rift volcanic compositions. Earth and Planetary Science Letters, 2009, 278, 26-39.	4.4	6
157	Assessing the Benthic Response to Climate-Driven Methane Hydrate Destabilisation: State of the Art and Future Modelling Perspectives. Energies, 2022, 15, 3307.	3.1	6
158	The pore-scale distribution of sediment-hosted hydrates: evidence from effective medium modelling of laboratory and borehole seismic data. Geological Society Special Publication, 2009, 319, 93-101.	1.3	5
159	Chapter 15 The SEA-CALIPSO volcano imaging experiment at Montserrat: plans, campaigns at sea and on land, scientific results, and lessons learned. Geological Society Memoir, 2014, 39, 253-289.	1.7	5
160	Anisotropic Physical Properties of Mafic and Ultramafic Rocks From an Oceanic Core Complex. Geochemistry, Geophysics, Geosystems, 2018, 19, 4366-4384.	2.5	5
161	Seafloor massive sulphide exploration using deep-towed controlled source electromagnetics: Navigational uncertainties. Geophysical Journal International, 0, , .	2.4	3
162	Comparison of 2-D and 3-D full waveform inversion imaging using wide-angle seismic data from the Deep Galicia Margin. Geophysical Journal International, 2021, 227, 228-256.	2.4	3

#	Article	IF	CITATIONS
163	Laboratory observations of morphology, velocity, attenuation and resistivity of methaneâ€gasâ€hydrateâ€bearing rocks. , 2007, , .		2
164	Leaking methane reservoirs offshore Svalbard. Eos, 2012, 93, 413-414.	0.1	2
165	A case study: travel time inversion for P-wave velocity using OBS data of South China Sea. Marine Geophysical Researches, 2012, 33, 389-396.	1.2	2
166	Seismic Anisotropy Within an Active Fluid Flow Structure: Scanner Pockmark, North Sea. Frontiers in Earth Science, 2021, 9, .	1.8	2
167	Constraints on fluid flow pathways from shear wave splitting in and around an active fluid-escape structure: Scanner Pockmark, North Sea. Geophysical Journal International, 2022, 231, 1164-1195.	2.4	2
168	Insights Into Exhumation and Mantle Hydration Processes at the Deep Galicia Margin From a 3D Highâ€Resolution Seismic Velocity Model. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	1
169	Pleistocene iceberg dynamics on the west Svalbard margin: Evidence from bathymetric and sub-bottom profiler data. Quaternary Science Reviews, 2017, 161, 30-44.	3.0	0
170	The Break-Up of Continents and the Generation of Ocean Basins. Series on Iraq War and Its Consequences, 2007, , 153-166.	0.1	0
171	Joint Velocity–resistivity Effective Medium Models. , 2010, , .		0
172	Converted PS-wave Velocity Structure from Full Waveform Inversion Reveal High Pore Pressures in the Eastern Black Sea. , 2011, , .		0
173	Structure of Atlantic Oceanic Crust Around Chron M16 from Deep Seismic Reflection Profiles. , 1995, , 183-196.		0