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List of Publications by Year in descending order

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56
papers

2,840
citations

236612

25
h-index

174990

52
g-index

62
all docs

62
docs citations

62
times ranked

2450
citing authors

#	ARTICLE	IF	CITATIONS
1	Seabed morphology and hydrocarbon seepage in the Gulf of Cádiz mud volcano area: Acoustic imagery, multibeam and ultra-high resolution seismic data. <i>Marine Geology</i> , 2003, 195, 153-176.	0.9	220
2	Mud volcanism in the Gulf of Cadiz: results from the TTR-10 cruise. <i>Marine Geology</i> , 2003, 195, 131-151.	0.9	178
3	Microbial methane turnover at mud volcanoes of the Gulf of Cadiz. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5336-5355.	1.6	173
4	Sources of mud volcano fluids in the Gulf of Cadiz—indications for hydrothermal imprint. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1232-1248.	1.6	167
5	Tsunamigenic-seismogenic structures, neotectonics, sedimentary processes and slope instability on the southwest Portuguese Margin. <i>Marine Geology</i> , 2003, 195, 55-73.	0.9	137
6	Formation processes of methane-derived authigenic carbonates from the Gulf of Cadiz. <i>Sedimentary Geology</i> , 2012, 243-244, 155-168.	1.0	136
7	Tectonics and mud volcano development in the Gulf of Cádiz. <i>Marine Geology</i> , 2009, 261, 48-63.	0.9	124
8	Water Column Seismic Images as Maps of Temperature Gradient. <i>Oceanography</i> , 2009, 22, 192-205.	0.5	121
9	The El Arraiche mud volcano field at the Moroccan Atlantic slope, Gulf of Cadiz. <i>Marine Geology</i> , 2005, 219, 1-17.	0.9	120
10	The ocean-continent boundary off the western continental margin of Iberia-II. Crustal structure in the Tagus Abyssal Plain. <i>Geophysical Journal International</i> , 1992, 109, 106-124.	1.0	113
11	Thin crust at the western Iberia Ocean-Continent transition and ophiolites. <i>Tectonics</i> , 1993, 12, 1230-1239.	1.3	109
12	Morphotectonics and strain partitioning at the Iberia-Africa plate boundary from multibeam and seismic reflection data. <i>Marine Geology</i> , 2009, 267, 156-174.	0.9	106
13	Mesozoic-Cenozoic evolution of North Atlantic continental-slope basins: The Peniche basin, western Iberian margin. <i>AAPG Bulletin</i> , 2006, 90, 31-60.	0.7	101
14	Morphology of the Faial Island shelf (Azores): The interplay between volcanic, erosional, depositional, tectonic and mass-wasting processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	92
15	Tectonic expression of an active slab tear from high-resolution seismic and bathymetric data offshore Sicily (Ionian Sea). <i>Tectonics</i> , 2016, 35, 39-54.	1.3	82
16	Mud volcano gas hydrates in the Gulf of Cadiz. <i>Terra Nova</i> , 2002, 14, 321-329.	0.9	71
17	Morphologies, classification and genesis of pockmarks, mud volcanoes and associated fluid escape features in the northern Zhongjiannan Basin, South China Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 122, 106-117.	0.6	60
18	Detailed 2-D imaging of the Mediterranean outflow and meddies off W Iberia from multichannel seismic data. <i>Journal of Marine Systems</i> , 2010, 79, 89-100.	0.9	59

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19	Neotectonics of the SW Iberia margin, Gulf of Cadiz and Alboran Sea: a reassessment including recent structural, seismic and geodetic data. <i>Geophysical Journal International</i> , 2012, 188, 850-872.	1.0	57
20	Compressional deformation at the ocean-continent transition in the NE Atlantic. <i>Journal of the Geological Society</i> , 1994, 151, 607-613.	0.9	50
21	Hydrocarbon-derived ferromanganese nodules in carbonate-mud mounds from the Gulf of Cadiz: Mud-breccia sediments and clasts as nucleation sites. <i>Marine Geology</i> , 2009, 261, 64-81.	0.9	42
22	Crescent-shaped morphotectonic features in the Gulf of Cadiz (offshore SW Iberia). <i>Marine Geology</i> , 2010, 271, 236-249.	0.9	38
23	Origin of light volatile hydrocarbon gases in mud volcano fluids, Gulf of Cadiz - Evidence for multiple sources and transport mechanisms in active sedimentary wedges. <i>Chemical Geology</i> , 2009, 266, 350-363.	1.4	37
24	Growth and demise of cold-water coral ecosystems on mud volcanoes in the West Alboran Sea: The messages from the planktonic and benthic foraminifera. <i>Marine Geology</i> , 2011, 282, 26-39.	0.9	37
25	Extensional tectonics in the Gorringe Bank rocks, Eastern Atlantic ocean: evidence of an oceanic ultra-slow mantle accreting centre. <i>Terra Nova</i> , 1998, 10, 330-336.	0.9	31
26	Meddy, spiral arms, and mixing mechanisms viewed by seismic imaging in the Tagus Abyssal Plain (SW) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	25
27	High-resolution seismic imaging of gas accumulations and seepage in the sediments of the Ria de Aveiro barrier lagoon (Portugal). <i>Geo-Marine Letters</i> , 2007, 27, 115-126.	0.5	24
28	Calcium isotope fractionation and its controlling factors over authigenic carbonates in the cold seeps of the northern South China Sea. <i>Science Bulletin</i> , 2012, 57, 1325-1332.	1.7	24
29	Geological and oceanographic controls on seabed fluid escape structures in the northern Zhongjiannan Basin, South China Sea. <i>Journal of Asian Earth Sciences</i> , 2018, 168, 38-47.	1.0	23
30	First record of a Vestimentifera (Polychaeta: Siboglinidae) from chemosynthetic habitats in the western Mediterranean Sea - Biogeographical implications and future exploration. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 200-207.	0.6	22
31	Tracing the composition, fluid source and formation conditions of the methane-derived authigenic carbonates in the Gulf of Cadiz with rare earth elements and stable isotopes. <i>Marine and Petroleum Geology</i> , 2015, 68, 192-205.	1.5	22
32	Sedimentary sources of the mud-breccia and mud volcanic activity in the Western Alboran Basin. <i>Marine Geology</i> , 2013, 339, 83-95.	0.9	21
33	Factors influencing methane-derived authigenic carbonate formation at cold seep from southwestern Dongsha area in the northern South China Sea. <i>Environmental Earth Sciences</i> , 2014, 71, 2087-2094.	1.3	20
34	Seismic and gravity anomaly evidence of large-scale compressional deformation off SW Portugal. <i>Earth and Planetary Science Letters</i> , 2010, 293, 171-179.	1.8	19
35	Analysis of ocean internal waves imaged by multichannel reflection seismics, using ensemble empirical mode decomposition. <i>Journal of Geophysics and Engineering</i> , 2012, 9, 302-311.	0.7	19
36	Vertical distribution of major, minor and trace elements in sediments from mud volcanoes of the Gulf of Cadiz: evidence of Cd, As and Ba fronts in upper layers. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 131, 133-143.	0.6	17

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37	Shallow Microbial Recycling of Deep-Sourced Carbon in Gulf of Cadiz Mud Volcanoes. <i>Geomicrobiology Journal</i> , 2008, 25, 283-295.	1.0	15
38	The Alpine Orogeny in the West and Southwest Iberia Margins. <i>Regional Geology Reviews</i> , 2019, , 487-505.	1.2	13
39	Imaging, mapping and modelling continental lithosphere extension and breakup: an introduction. <i>Geological Society Special Publication</i> , 2007, 282, 1-8.	0.8	12
40	Environmental representativity in marine protected area networks over large and partly unexplored seascapes. <i>Global Ecology and Conservation</i> , 2019, 17, e00545.	1.0	11
41	Geostatistical Inversion of Seismic Oceanography Data for Ocean Salinity and Temperature Models. <i>Mathematical Geosciences</i> , 2018, 50, 477-489.	1.4	10
42	Modelling and detection of submarine bubble plumes using seismic oceanography. <i>Journal of Marine Systems</i> , 2020, 209, 103375.	0.9	10
43	The seismic velocity structure of some NE Atlantic continental rise sediments; a lithification index?. <i>Geophysical Journal International</i> , 1990, 101, 367-378.	1.0	8
44	Identification and characterization of fluid escape structures (pockmarks) in the Estremadura Spur, West Iberian Margin. <i>Marine and Petroleum Geology</i> , 2017, 82, 414-423.	1.5	8
45	Rare earth elements in mud volcano sediments from the Gulf of Cadiz, South Iberian Peninsula. <i>Science of the Total Environment</i> , 2019, 652, 869-879.	3.9	8
46	Total mercury in sediments from mud volcanoes in Gulf of Cadiz. <i>Marine Pollution Bulletin</i> , 2007, 54, 1539-1544.	2.3	7
47	Morphodynamic evolution of a sand extraction excavation offshore Vale do Lobo, Algarve, Portugal. <i>Coastal Engineering</i> , 2014, 88, 75-87.	1.7	7
48	Effects of oceanographic changes on controlling the stability of gas hydrates and the formation of authigenic carbonates at mud volcanoes and seepage sites on the Iberian margin of the Gulf of Cadiz. <i>Marine Geology</i> , 2019, 412, 69-80.	0.9	7
49	Progress and prospects of seismic oceanography. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 177, 103631.	0.6	7
50	Geostatistical Data Integration Model for Contamination Assessment. <i>Mathematical Geosciences</i> , 2013, 45, 575-590.	1.4	3
51	Accurate Ocean-Bottom Seismometers positioning using Multilateration technique. , 2015, , .		2
52	Accurate Ocean Bottom Seismometer Positioning Method Inspired by Multilateration Technique. <i>Mathematical Geosciences</i> , 2018, 50, 569-584.	1.4	2
53	Estudo da EvoluÃ§Ã£o de uma Ãrea de ExtracÃ§Ã£o de Sedimentos ao largo de Vale do Lobo (Algarve) Tj ETQq1 1 0.784314 rgBT /Over Coastal Zone Management, 2011, 11, 369-377.	0.2	2
54	Correction of Ocean-Bottom Seismometers random clock drift artifacts. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
55	Assessing the Spatial and Temporal Volumes of Siltation with a Historical Approach: Application in Nador's Harbor (Morocco). <i>Thalassas</i> , 2016, 32, 51-64.	0.1	1
56	Shallow Gas Accumulation in Sediments of the Ria de Aveiro, Portugal. , 2017, , .		0