EulÃ lia GrÃ cia

List of Publications by Year
in descending order

94 papers	4,282 citations	101384 36 h-index	118652 62 g-index
106 all docs	106 docs citations	106 times ranked	4033 citing authors

#	Article	IF	Citations
1	A first appraisal of the seismogenic and tsunamigenic potential of the largest fault systems in the westernmost Mediterranean. Marine Geology, 2022, 445, 106749.	0.9	1
2	Glacial-aged development of the Tunisian Coral Mound Province controlled by glacio-eustatic oscillations and changes in surface productivity. Marine Geology, 2022, 446, 106772.	0.9	7
3	Active Tectonics of the North Tunisian Continental Margin. Tectonics, 2022, 41, .	1.3	2
4	The evolution of the westernmost Mediterranean basins. Earth-Science Reviews, 2021, 214, 103445.	4.0	18
5	A mixed turbidite â€“ contourite system related to a major submarine canyon: The MarquÃªs de Pombal Drift (southâ€west Iberian margin). Sedimentology, 2021, 68, 2069-2096.	1.6	11
6	Seismic Diffraction Imaging to Characterize Massâ€Transport Complexes: Examples From the Gulf of Cadiz, South West Iberian Margin. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021474.	1.4	9
7	The Horseshoe Abyssal plain Thrust could be the source of the 1755 Lisbon earthquake and tsunami. Communications Earth & Environment, 2021, 2, .	2.6	6
8	Sensitivity of Tsunami Scenarios to Complex Fault Geometry and Heterogeneous Slip Distribution: Caseâ€Studies for SW Iberia and NW Morocco. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022127.	1.4	3
9	Active Faults in Iberia. Regional Geology Reviews, 2020, , 33-75.	1.2	4
10	Near-pristine benthic habitats on the Francesc PagÃ¨s Bank, Alboran Sea, western Mediterranean. , 2020, , 889-901.		3
11	Active tectonics and drainage evolution in the Tunisian Atlas driven by interaction between crustal shortening and mantle dynamics. Geomorphology, 2020, 351, 106954.	1.1	21
12	Evidences of human impact on megabenthic assemblages of bathyal sediments in the Alboran Sea (western Mediterranean). Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 165, 103369.	0.6	12
13	Probabilistic mapping of earthquake-induced submarine landslide susceptibility in the South-West Iberian margin. Marine Geology, 2020, 429, 106296.	0.9	22
14	The Lithospheric Structure of the Gibraltar Arc System From Wideâ€Angle Seismic Data. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019854.	1.4	16
15	Quaternary Seismostratigraphy and Tectonosedimentary Evolution of the North Tunisian Continental Margin. Tectonics, 2020, 39, e2020TC006243.	1.3	10
16	From gravity cores to overpressure history: the importance of measured sediment physical properties in hydrogeological models. Geological Society Special Publication, 2020, 500, 289-300.	0.8	6
17	Tectonic evolution, geomorphology and influence of bottom currents along a large submarine canyon system: The SÃ£o Vicente Canyon (SW Iberian margin). Marine Geology, 2020, 426, 106219.	0.9	14
18	15 Habitat Mapping of Cold-Water Corals in the Mediterranean Sea. Coral Reefs of the World, 2019, , 157-171.	0.3	8

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19	The Alpine Orogeny in the West and Southwest Iberia Margins. Regional Geology Reviews, 2019, , 487-505.	1.2	13
20	Earthquake crisis unveils the growth of an incipient continental fault system. Nature Communications, 2019, 10, 3482.	5.8	24
21	Ecological characterisation of a Mediterranean cold-water coral reef: Cabliers Coral Mound Province (Alboran Sea, western Mediterranean). Progress in Oceanography, 2019, 175, 245-262.	1.5	59
22	Marine Transform Faults and Fracture Zones: A Joint Perspective Integrating Seismicity, Fluid Flow and Life. Frontiers in Earth Science, 2019, 7, .	0.8	46
23	MDPI Oceans: A New Publication Channel for Open Access Science Focused on the Ocean. Oceans, 2019, 1, 1-5.	0.6	1
24	Kinematic analysis of secondary faults within a distributed shear-zone reveals fault linkage and increased seismic hazard. Marine Geology, 2018, 399, 23-33.	0.9	13
25	Morphostructure, tectonoâ€sedimentary evolution and seismic potential of the Horseshoe Fault, <scp>SW</scp> Iberian Margin. Basin Research, 2018, 30, 382-400.	1.3	18
26	Genesis of mud volcano fluids in the Gulf of Cadiz using a novel basin-scale model approach. Geochimica Et Cosmochimica Acta, 2018, 243, 186-204.	1.6	9
27	The Crustal Domains of the Alboran Basin (Western Mediterranean). Tectonics, 2018, 37, 3352-3377.	1.3	30
28	Tracking the Mediterranean outflow in the Gulf of Cadiz. Progress in Oceanography, 2017, 157, 47-71.	1.5	14
29	Characterization of the submesoscale energy cascade in the Alboran Sea thermocline from spectral analysis of highâ€resolution MCS data. Geophysical Research Letters, 2016, 43, 6461-6468.	1.5	22
30	Geomorphology and Neogene tectonic evolution of the Palomares continental margin (Western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.9	20
31	Seismostratigraphy and tectonic architecture of the Carboneras Fault offshore based on multiscale seismic imaging: Implications for the Neogene evolution of the NE Alboran Sea. Tectonophysics, 2016, 689, 115-132.	0.9	18
32	Seismicity and active tectonics in the Alboran Sea, Western Mediterranean: Constraints from an offshoreâ€onshore seismological network and swath bathymetry data. Journal of Geophysical Research: Solid Earth, 2015, 120, 8348-8365.	1.4	36
33	Compressional tectonic inversion of the Algero-Balearic basin: Latemost Miocene to present oblique convergence at the Palomares margin (Western Mediterranean). Tectonics, 2015, 34, 1516-1543.	1.3	37
34	Strike-slip faults mediate the rise of crustal-derived fluids and mud volcanism in the deep sea. Geology, 2015, 43, 339-342.	2.0	56
35	Quaternary tectonic activity of the Carboneras Fault in the La Serrata range (SE Iberia): Geomorphological and chronological constraints. Tectonophysics, 2015, 663, 78-94.	0.9	22
36	The West Melilla cold water coral mounds, Eastern Alboran Sea: Morphological characterization and environmental context. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 99, 316-326.	0.6	63

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37	Historical and pre-historical tsunamis in the Mediterranean and its connected seas: Geological signatures, generation mechanisms and coastal impacts. Marine Geology, 2014, 354, 81-109.	0.9	128
38	Seismic and gravity constraints on the nature of the basement in the Africaâ€Eurasia plate boundary: New insights for the geodynamic evolution of the SW Iberian margin. Journal of Geophysical Research: Solid Earth, 2014, 119, 127-149.	1.4	61
39	Seismic evidence of exhumed mantle rock basement at the Gorringe Bank and the adjacent Horseshoe and Tagus abyssal plains (SW Iberia). Earth and Planetary Science Letters, 2013, 365, 120-131.	1.8	71
40	Active deformation in old oceanic lithosphere and significance for earthquake hazard: Seismic imaging of the Coral Patch Ridge area and neighboring abyssal plains (SW Iberian Margin). Geochemistry, Geophysics, Geosystems, 2013, 14, 2206-2231.	1.0	42
41	Preface: Marine and Lake Paleoseismology. Natural Hazards and Earth System Sciences, 2013, 13, 3469-3478.	1.5	14
42	Evidence for active strike-slip faulting along the Eurasia-Africa convergence zone: Implications for seismic hazard in the southwest Iberian margin. Geology, 2012, 40, 495-498.	2.0	43
43	Habitats of the Chella Bank, Eastern Alboran Sea (Western Mediterranean). , 2012, , 681-690.		7
44	Large, deepwater slope failures: Implications for landslide-generated tsunamis. Geology, 2012, 40, 931-934.	2.0	50
45	Quaternary active tectonic structures in the offshore Bajo Segura basin (SE Iberian Peninsula â€“) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	19
46	Acoustic and seismic imaging of the Adra Fault (NE Alboran Sea): in search of the source of the 1910 Adra earthquake. Natural Hazards and Earth System Sciences, 2012, 12, 3255-3267.	1.5	33
47	The Bajo Segura Fault Zone: Active blind thrusting in the Eastern Betic Cordillera (SE Spain). Journal of Iberian Geology, 2012, 38, .	0.7	26
48	Thrustâ€“wrench interference between major active faults in the Gulf of Cadiz (Africaâ€“Eurasia plate) Tj ETQq0 0 0 rgBT /Overlock 10 T Tectonophysics, 2012, 548-549, 1-21.	0.9	40
49	Seismic evidence for the presence of Jurassic oceanic crust in the central Gulf of Cadiz (SW Iberian) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	106
50	Automatic Segmentation of Multi-Beam Data for Predictive Mapping of Benthic Habitats on the Chella Seamount (North-Eastern Alboran Sea, Western Mediterranean). IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 809-813.	2.3	12
51	Seismic imaging of staircase layers below the Mediterranean Undercurrent. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1345-1353.	0.6	28
52	Holocene earthquake record offshore Portugal (SW Iberia): testing turbidite paleoseismology in a slow-convergence margin. Quaternary Science Reviews, 2010, 29, 1156-1172.	1.4	135
53	The quest for the Africaâ€“Eurasia plate boundary west of the Strait of Gibraltar. Earth and Planetary Science Letters, 2009, 280, 13-50.	1.8	288
54	Sediment instability on the Portuguese continental margin under abrupt glacial climate changes (last) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	73

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55	Cenozoic deformational structures on the Galicia Bank Region (NW Iberian continental margin). Marine Geology, 2008, 249, 128-149.	0.9	46
56	High-resolution seismic stratigraphy of the Galicia Bank Region and neighbouring abyssal plains (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	36
57	Recent sedimentary processes in the Prestige site area (Galicia Bank, NW Iberian Margin) evidenced by high-resolution marine geophysical methods. Marine Geology, 2008, 249, 21-45.	0.9	20
58	Seafloor characterization and backscatter variability of the AlmerÃa Margin (Alboran Sea, SW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	0.9	57
59	Very highâ€resolution seismoâ€acoustic imaging of seagrass meadows (Mediterranean Sea): Implications for carbon sink estimates. Geophysical Research Letters, 2008, 35, .	1.5	99
60	Late Holocene Rupture of the Northern San Andreas Fault and Possible Stress Linkage to the Cascadia Subduction Zone. Bulletin of the Seismological Society of America, 2008, 98, 861-889.	1.1	92
61	Diagenetic formation of greigite and pyrrhotite in gas hydrate marine sedimentary systems. Earth and Planetary Science Letters, 2007, 261, 350-366.	1.8	148
62	Gas hydrate disturbance fabrics of southern Hydrate Ridge sediments (ODP Leg 204): Relationship with texture and physical properties. Geo-Marine Letters, 2007, 27, 279-288.	0.5	12
63	Rise of the base of the gas hydrate zone since the last glacial recorded by rock magnetism. Geology, 2006, 34, 117.	2.0	45
64	Identifying instrumental and historical earthquake records in the SW Iberian margin using210Pb turbidite chronology. Geophysical Research Letters, 2006, 33, .	1.5	29
65	Active faulting offshore SE Spain (Alboran Sea): Implications for earthquake hazard assessment in the Southern Iberian Margin. Earth and Planetary Science Letters, 2006, 241, 734-749.	1.8	120
66	The tributary valley systems of the Almeria Canyon (Alboran Sea, SW Mediterranean): Sedimentary architecture. Marine Geology, 2006, 226, 207-223.	0.9	33
67	Geological characterization of the Prestige sinking area. Marine Pollution Bulletin, 2006, 53, 208-219.	2.3	24
68	Quantitative textural analyses of TOBI sonar imagery along the AlmerÃa Canyon, AlmerÃa Margin, AlborÃ¡n Sea, SE Spain. Geological Society Special Publication, 2005, 244, 141-154.	0.8	1
69	Feeding methane vents and gas hydrate deposits at south Hydrate Ridge. Geophysical Research Letters, 2004, 31, .	1.5	146
70	Three-dimensional distribution of gas hydrate beneath southern Hydrate Ridge: constraints from ODP Leg 204. Earth and Planetary Science Letters, 2004, 222, 845-862.	1.8	278
71	Crustal architecture and tectonic evolution of the Gulf of Cadiz (SW Iberian margin) at the convergence of the Eurasian and African plates. Tectonics, 2003, 22, n/a-n/a.	1.3	122
72	Mapping active faults offshore Portugal (36Â°Nâ€“38Â°N): Implications for seismic hazard assessment along the southwest Iberian margin. Geology, 2003, 31, 83.	2.0	132

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73	Prospective randomized trial comparing conventional laparoscopic colectomy with hand-assisted laparoscopic colectomy. Surgical Endoscopy and Other Interventional Techniques, 2002, 16, 234-239.	1.3	176
74	Deep sea explosive activity on the Mid-Atlantic Ridge near 34Â°50â€²N: Magma composition, vesicularity and volatile content. Journal of Volcanology and Geothermal Research, 2000, 98, 49-77.	0.8	59
75	Submersible observations of Equatorial Atlantic mantle: The St. Paul Fracture Zone region. Marine Geophysical Researches, 2000, 21, 529-560.	0.5	65
76	Non-transform offsets along the Mid-Atlantic Ridge south of the Azores (38Â°Nâ€“34Â°N): ultramafic exposures and hosting of hydrothermal vents. Earth and Planetary Science Letters, 2000, 177, 89-103.	1.8	115
77	Second-order segmentation; the relationship between volcanism and tectonism at the MAR, 38Â°Nâ€“35Â°40â€²N. Earth and Planetary Science Letters, 2000, 178, 231-251.	1.8	57
78	Detailed geological mapping of two contrasting second-order segments of the Mid-Atlantic Ridge between Oceanographer and Hayes fracture zones (33Â°30â€²N-35Â°N). Journal of Geophysical Research, 1999, 104, 22903-22921.	3.3	28
79	Title is missing!. Marine Geophysical Researches, 1998, 20, 425-458.	0.5	22
80	Volcano-tectonic variability along segments of the Mid-Atlantic Ridge between Azores platform and Hayes fracture zone: evidence from submersible and high-resolution sidescan sonar data. Geological Society Special Publication, 1998, 148, 1-15.	0.8	11
81	Central and eastern Bransfield basins (Antarctica) from high-resolution swath-bathymetry data. Antarctic Science, 1997, 9, 168-180.	0.5	48
82	Along-axis magmatic oscillations and exposure of ultramafic rocks in a second-order segment of the Mid-Atlantic Ridge (33Â°43'N to 34Â°07'N). Geology, 1997, 25, 1059.	2.0	39
83	AMADEUS: advanced manipulation for deep underwater sampling. IEEE Robotics and Automation Magazine, 1997, 4, 34-45.	2.2	110
84	Active oceanic spreading in the northern North Fiji Basin: Results of the NOFI cruise of R/V L'Atalante (newstarmer project). Marine Geophysical Researches, 1996, 18, 225-247.	0.5	20
85	Variability of the axial morphology and of the gravity structure along the Central Spreading Ridge (North Fiji Basin): evidence for contrasting thermal regimes. Marine Geophysical Researches, 1996, 18, 249-273.	0.5	11
86	Morphostructure and evolution of the central and Eastern Bransfield Basins (NW Antarctic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Tc	0.5	99
87	Propagating rift west of the Fiji Archipelago (North Fiji Basin, SW Pacific). Journal of Geophysical Research, 1995, 100, 17823-17835.	3.3	15
88	Evidence for sinistral strike-slip deformation in The Solomon Island arc. Geo-Marine Letters, 1994, 14, 232-237.	0.5	10
89	Propagating rift and overlapping spreading center in the North Fiji Basin. Marine Geology, 1994, 116, 37-56.	0.9	20
90	Kinematics of active spreading in the central North Fiji Basin (Southwest Pacific). Marine Geology, 1994, 116, 69-87.	0.9	23

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91	Multi-scale morphologic variability of the North Fiji Basin ridge (Southwest Pacific). Marine Geology, 1994, 116, 133-151.	0.9	15
92	AMADEUS: advanced manipulator for deep underwater sampling. , 0, , .		20
93	Data Report: Grain-Size and Bulk and Clay Mineralogy of Sediments from the Summit and Flanks of Southern Hydrate Ridge, Sites 1244-1250, ODP Leg 204. , 0, , .		3
94	Rock Magnetic Identification of Magnetic Iron Sulfides and Its Bearing on the Occurrence of Gas Hydrates, ODP Leg 204 (Hydrate Ridge). , 0, , .		4