

Eullia Gracia

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93
papers

3,466
citations

32
h-index

56
g-index

106
ext. papers

3,859
ext. citations

3.7
avg, IF

4.7
L-index

#	Paper	IF	Citations
93	The quest for the Africa-Eurasia plate boundary west of the Strait of Gibraltar. <i>Earth and Planetary Science Letters</i> , 2009 , 280, 13-50	5.3	254
92	Three-dimensional distribution of gas hydrate beneath southern Hydrate Ridge: constraints from ODP Leg 204. <i>Earth and Planetary Science Letters</i> , 2004 , 222, 845-862	5.3	235
91	Prospective randomized trial comparing conventional laparoscopic colectomy with hand-assisted laparoscopic colectomy: applicability, immediate clinical outcome, inflammatory response, and cost. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2002 , 16, 234-9	5.2	156
90	Diagenetic formation of greigite and pyrrhotite in gas hydrate marine sedimentary systems. <i>Earth and Planetary Science Letters</i> , 2007 , 261, 350-366	5.3	126
89	Mapping active faults offshore Portugal (36°N-8°N): Implications for seismic hazard assessment along the southwest Iberian margin. <i>Geology</i> , 2003 , 31, 83	5	115
88	Feeding methane vents and gas hydrate deposits at south Hydrate Ridge. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	112
87	Holocene earthquake record offshore Portugal (SW Iberia): testing turbidite paleoseismology in a slow-convergence margin. <i>Quaternary Science Reviews</i> , 2010 , 29, 1156-1172	3.9	107
86	Crustal architecture and tectonic evolution of the Gulf of Cadiz (SW Iberian margin) at the convergence of the Eurasian and African plates. <i>Tectonics</i> , 2003 , 22, n/a-n/a	4.3	107
85	Active faulting offshore SE Spain (Alboran Sea): Implications for earthquake hazard assessment in the Southern Iberian Margin. <i>Earth and Planetary Science Letters</i> , 2006 , 241, 734-749	5.3	106
84	Non-transform offsets along the Mid-Atlantic Ridge south of the Azores (38°N-4°N): ultramafic exposures and hosting of hydrothermal vents. <i>Earth and Planetary Science Letters</i> , 2000 , 177, 89-103	5.3	102
83	Seismic evidence for the presence of Jurassic oceanic crust in the central Gulf of Cadiz (SW Iberian margin). <i>Earth and Planetary Science Letters</i> , 2011 , 311, 112-123	5.3	99
82	Historical and pre-historical tsunamis in the Mediterranean and its connected seas: Geological signatures, generation mechanisms and coastal impacts. <i>Marine Geology</i> , 2014 , 354, 81-109	3.3	95
81	Morphostructure and evolution of the central and Eastern Bransfield Basins (NW Antarctic Peninsula). <i>Marine Geophysical Researches</i> , 1996 , 18, 429-448	2.3	86
80	AMADEUS: advanced manipulation for deep underwater sampling. <i>IEEE Robotics and Automation Magazine</i> , 1997 , 4, 34-45	3.4	83
79	Very high-resolution seismo-acoustic imaging of seagrass meadows (Mediterranean Sea): Implications for carbon sink estimates. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	74
78	Seismic evidence of exhumed mantle rock basement at the Gorringer Bank and the adjacent Horseshoe and Tagus abyssal plains (SW Iberia). <i>Earth and Planetary Science Letters</i> , 2013 , 365, 120-131	5.3	68
77	Late Holocene Rupture of the Northern San Andreas Fault and Possible Stress Linkage to the Cascadia Subduction Zone. <i>Bulletin of the Seismological Society of America</i> , 2008 , 98, 861-889	2.3	63

76	Sediment instability on the Portuguese continental margin under abrupt glacial climate changes (last 60kyr). <i>Quaternary Science Reviews</i> , 2009 , 28, 3211-3223	3.9	62
75	Seismic and gravity constraints on the nature of the basement in the Africa-Eurasia plate boundary: New insights for the geodynamic evolution of the SW Iberian margin. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 127-149	3.6	55
74	Deep sea explosive activity on the Mid-Atlantic Ridge near 34°50'N: Magma composition, vesicularity and volatile content. <i>Journal of Volcanology and Geothermal Research</i> , 2000 , 98, 49-77	2.8	55
73	Second-order segmentation; the relationship between volcanism and tectonism at the MAR, 38°NB5°40'N. <i>Earth and Planetary Science Letters</i> , 2000 , 178, 231-251	5.3	55
72	Seafloor characterization and backscatter variability of the Almería Margin (Alboran Sea, SW Mediterranean) based on high-resolution acoustic data. <i>Marine Geology</i> , 2008 , 250, 1-18	3.3	52
71	The West Melilla cold water coral mounds, Eastern Alboran Sea: Morphological characterization and environmental context. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014 , 99, 316-326	2.3	50
70	Large, deepwater slope failures: Implications for landslide-generated tsunamis. <i>Geology</i> , 2012 , 40, 931-934	3.4	47
69	Submersible observations of Equatorial Atlantic mantle: The St. Paul Fracture Zone region. <i>Marine Geophysical Researches</i> , 2000 , 21, 529-560	2.3	47
68	Strike-slip faults mediate the rise of crustal-derived fluids and mud volcanism in the deep sea. <i>Geology</i> , 2015 , 43, 339-342	5	45
67	Central and eastern Bransfield basins (Antarctica) from high-resolution swath-bathymetry data. <i>Antarctic Science</i> , 1997 , 9, 168-180	1.7	43
66	Cenozoic deformational structures on the Galicia Bank Region (NW Iberian continental margin). <i>Marine Geology</i> , 2008 , 249, 128-149	3.3	41
65	Rise of the base of the gas hydrate zone since the last glacial recorded by rock magnetism. <i>Geology</i> , 2006 , 34, 117	5	41
64	Evidence for active strike-slip faulting along the Eurasia-Africa convergence zone: Implications for seismic hazard in the southwest Iberian margin. <i>Geology</i> , 2012 , 40, 495-498	5	37
63	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). <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 2206-2231	3.6	36
62	Thrust-wrench interference between major active faults in the Gulf of Cadiz (Africa-Eurasia plate boundary, offshore SW Iberia): Tectonic implications from coupled analog and numerical modeling. <i>Tectonophysics</i> , 2012 , 548-549, 1-21	3.1	35
61	High-resolution seismic stratigraphy of the Galicia Bank Region and neighbouring abyssal plains (NW Iberian continental margin). <i>Marine Geology</i> , 2008 , 249, 108-127	3.3	32
60	Ecological characterisation of a Mediterranean cold-water coral reef: Cabliers Coral Mound Province (Alboran Sea, western Mediterranean). <i>Progress in Oceanography</i> , 2019 , 175, 245-262	3.8	31
59	Along-axis magmatic oscillations and exposure of ultramafic rocks in a second-order segment of the Mid-Atlantic Ridge (33°43'N to 34°07'N). <i>Geology</i> , 1997 , 25, 1059	5	31

58	Compressional tectonic inversion of the Algero-Balearic basin: Latest Miocene to present oblique convergence at the Palomares margin (Western Mediterranean). <i>Tectonics</i> , 2015 , 34, 1516-1543	4.3	29
57	Acoustic and seismic imaging of the Adra Fault (NE Alboran Sea): in search of the source of the 1910 Adra earthquake. <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 3255-3267	3.9	29
56	Seismicity and active tectonics in the Alboran Sea, Western Mediterranean: Constraints from an offshore-onshore seismological network and swath bathymetry data. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 8348-8365	3.6	26
55	The tributary valley systems of the Almeria Canyon (Alboran Sea, SW Mediterranean): Sedimentary architecture. <i>Marine Geology</i> , 2006 , 226, 207-223	3.3	25
54	Marine Transform Faults and Fracture Zones: A Joint Perspective Integrating Seismicity, Fluid Flow and Life. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	24
53	Detailed geological mapping of two contrasting second-order segments of the Mid-Atlantic Ridge between Oceanographer and Hayes fracture zones (33°30'N-35°N). <i>Journal of Geophysical Research</i> , 1999 , 104, 22903-22921		24
52	Seismic imaging of staircase layers below the Mediterranean Undercurrent. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010 , 57, 1345-1353	2.5	23
51	Geological characterization of the Prestige sinking area. <i>Marine Pollution Bulletin</i> , 2006 , 53, 208-19	6.7	23
50	The Crustal Domains of the Alboran Basin (Western Mediterranean). <i>Tectonics</i> , 2018 , 37, 3352-3377	4.3	23
49	Identifying instrumental and historical earthquake records in the SW Iberian margin using 210Pb turbidite chronology. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	21
48	Kinematics of active spreading in the central North Fiji Basin (Southwest Pacific). <i>Marine Geology</i> , 1994 , 116, 69-87	3.3	21
47	Geomorphology and Neogene tectonic evolution of the Palomares continental margin (Western Mediterranean). <i>Tectonophysics</i> , 2016 , 689, 25-39	3.1	18
46	Contrasting volcanic-tectonic processes during the past 2 Ma on the Mid-Atlantic Ridge: submersible mapping, petrological and magnetic results at lat. 34°52' N and 33°55' N. <i>Marine Geophysical Researches</i> , 1998 , 20, 425-458	2.3	18
45	Recent sedimentary processes in the Prestige site area (Galicia Bank, NW Iberian Margin) evidenced by high-resolution marine geophysical methods. <i>Marine Geology</i> , 2008 , 249, 21-45	3.3	18
44	Active oceanic spreading in the northern North Fiji Basin: Results of the NOFI cruise of R/V L'Atalante (newstarmer project). <i>Marine Geophysical Researches</i> , 1996 , 18, 225-247	2.3	18
43	Quaternary tectonic activity of the Carboneras Fault in the La Serrata range (SE Iberia): Geomorphological and chronological constraints. <i>Tectonophysics</i> , 2015 , 663, 78-94	3.1	17
42	Morphostructure, tectono-sedimentary evolution and seismic potential of the Horseshoe Fault, SW Iberian Margin. <i>Basin Research</i> , 2018 , 30, 382-400	3.2	17
41	Seismostratigraphy and tectonic architecture of the Carboneras Fault offshore based on multiscale seismic imaging: Implications for the Neogene evolution of the NE Alboran Sea. <i>Tectonophysics</i> , 2016 , 689, 115-132	3.1	16

40	Propagating rift and overlapping spreading center in the North Fiji Basin. <i>Marine Geology</i> , 1994 , 116, 37-56	3.3	15
39	Earthquake crisis unveils the growth of an incipient continental fault system. <i>Nature Communications</i> , 2019 , 10, 3482	17.4	14
38	The Bajo Segura Fault Zone: Active blind thrusting in the Eastern Betic Cordillera (SE Spain). <i>Journal of Iberian Geology</i> , 2012 , 38,	1.1	14
37	Multi-scale morphologic variability of the North Fiji Basin ridge (Southwest Pacific). <i>Marine Geology</i> , 1994 , 116, 133-151	3.3	14
36	Active tectonics and drainage evolution in the Tunisian Atlas driven by interaction between crustal shortening and mantle dynamics. <i>Geomorphology</i> , 2020 , 351, 106954	4.3	14
35	Characterization of the submesoscale energy cascade in the Alboran Sea thermocline from spectral analysis of high-resolution MCS data. <i>Geophysical Research Letters</i> , 2016 , 43, 6461-6468	4.9	13
34	Quaternary active tectonic structures in the offshore Bajo Segura basin (SE Iberian Peninsula □ Mediterranean Sea). <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 3151-3168	3.9	13
33	Propagating rift west of the Fiji Archipelago (North Fiji Basin, SW Pacific). <i>Journal of Geophysical Research</i> , 1995 , 100, 17823-17835		13
32	Preface: Marine and Lake Paleoseismology. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 3469-3478	3.9	12
31	Gas hydrate disturbance fabrics of southern Hydrate Ridge sediments (ODP Leg 204): Relationship with texture and physical properties. <i>Geo-Marine Letters</i> , 2007 , 27, 279-288	1.9	12
30	Tracking the Mediterranean outflow in the Gulf of Cadiz. <i>Progress in Oceanography</i> , 2017 , 157, 47-71	3.8	10
29	Kinematic analysis of secondary faults within a distributed shear-zone reveals fault linkage and increased seismic hazard. <i>Marine Geology</i> , 2018 , 399, 23-33	3.3	10
28	Automatic Segmentation of Multi-Beam Data for Predictive Mapping of Benthic Habitats on the Chella Seamount (North-Eastern Alboran Sea, Western Mediterranean). <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2011 , 4, 809-813	4.7	10
27	Variability of the axial morphology and of the gravity structure along the Central Spreading Ridge (North Fiji Basin): evidence for contrasting thermal regimes. <i>Marine Geophysical Researches</i> , 1996 , 18, 249-273	2.3	10
26	Evidence for sinistral strike-slip deformation in The Solomon Island arc. <i>Geo-Marine Letters</i> , 1994 , 14, 232-237	1.9	9
25	The Lithospheric Structure of the Gibraltar Arc System From Wide-Angle Seismic Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB019854	3.6	9
24	Tectonic evolution, geomorphology and influence of bottom currents along a large submarine canyon system: The Sñ Vicente Canyon (SW Iberian margin). <i>Marine Geology</i> , 2020 , 426, 106219	3.3	8
23	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. <i>Geological Society Special Publication</i> , 1998 , 148, 1-15	1.7	7

22	The evolution of the westernmost Mediterranean basins. <i>Earth-Science Reviews</i> , 2021 , 214, 103445	10.2	7
21	Genesis of mud volcano fluids in the Gulf of Cadiz using a novel basin-scale model approach. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 243, 186-204	5.5	7
20	The Alpine Orogeny in the West and Southwest Iberia Margins. <i>Regional Geology Reviews</i> , 2019 , 487-505	2.5	6
19	Habitats of the Chella Bank, Eastern Alboran Sea (Western Mediterranean) 2012 , 681-690		6
18	AMADEUS: advanced manipulator for deep underwater sampling		6
17	A mixed turbidite / contourite system related to a major submarine canyon: The Marqu� de Pombal Drift (south-west Iberian margin). <i>Sedimentology</i> , 2021 , 68, 2069-2096	3.3	6
16	Modern Submarine Landslide Complexes. <i>Geophysical Monograph Series</i> , 2019 , 181-200	1.1	6
15	15 Habitat Mapping of Cold-Water Corals in the Mediterranean Sea. <i>Coral Reefs of the World</i> , 2019 , 157-171		5
14	Evidences of human impact on megabenthic assemblages of bathyal sediments in the Alboran Sea (western Mediterranean). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020 , 165, 103369	2.5	5
13	Quaternary Seismostratigraphy and Tectonosedimentary Evolution of the North Tunisian Continental Margin. <i>Tectonics</i> , 2020 , 39, e2020TC006243	4.3	4
12	Probabilistic mapping of earthquake-induced submarine landslide susceptibility in the South-West Iberian margin. <i>Marine Geology</i> , 2020 , 429, 106296	3.3	4
11	Rock Magnetic Identification of Magnetic Iron Sulfides and Its Bearing on the Occurrence of Gas Hydrates, ODP Leg 204 (Hydrate Ridge)		3
10	Seismic Diffraction Imaging to Characterize Mass-Transport Complexes: Examples From the Gulf of Cadiz, South West Iberian Margin. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2020JB021474	3.6	3
9	From gravity cores to overpressure history: the importance of measured sediment physical properties in hydrogeological models. <i>Geological Society Special Publication</i> , 2020 , 500, 289-300	1.7	2
8	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		2
7	Near-pristine benthic habitats on the Francesc Pag� Bank, Alboran Sea, western Mediterranean 2020 , 889-901		2
6	The Horseshoe Abyssal plain Thrust could be the source of the 1755 Lisbon earthquake and tsunami. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	2
5	Quantitative textural analyses of TOBI sonar imagery along the Almer� Canyon, Almer� Margin, Albor� Sea, SE Spain. <i>Geological Society Special Publication</i> , 2005 , 244, 141-154	1.7	1

4	Sensitivity of Tsunami Scenarios to Complex Fault Geometry and Heterogeneous Slip Distribution: Case-Studies for SW Iberia and NW Morocco. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2021JB022127	3.6	1
3	Active Faults in Iberia. <i>Regional Geology Reviews</i> , 2020 , 33-75	2.5	1
2	Glacial-aged development of the Tunisian Coral Mound Province controlled by glacio-eustatic oscillations and changes in surface productivity. <i>Marine Geology</i> , 2022 , 446, 106772	3.3	0
1	A first appraisal of the seismogenic and tsunamigenic potential of the largest fault systems in the westernmost Mediterranean. <i>Marine Geology</i> , 2022 , 445, 106749	3.3	