

# Eullia Gracia

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A first appraisal of the seismogenic and tsunamigenic potential of the largest fault systems in the westernmost Mediterranean. <i>Marine Geology</i> , <b>2022</b> , 445, 106749	3.3	
92	Glacial-aged development of the Tunisian Coral Mound Province controlled by glacio-eustatic oscillations and changes in surface productivity. <i>Marine Geology</i> , <b>2022</b> , 446, 106772	3.3	0
91	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> , <b>2021</b> , 126, e2021JB022127	3.6	1
90	A mixed turbidite contourite system related to a major submarine canyon: The Marquã de Pombal Drift (south-west Iberian margin). <i>Sedimentology</i> , <b>2021</b> , 68, 2069-2096	3.3	6
89	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> , <b>2021</b> , 126, e2020JB021474	3.6	3
88	The evolution of the westernmost Mediterranean basins. <i>Earth-Science Reviews</i> , <b>2021</b> , 214, 103445	10.2	7
87	The Horseshoe Abyssal plain Thrust could be the source of the 1755 Lisbon earthquake and tsunami. <i>Communications Earth &amp; Environment</i> , <b>2021</b> , 2,	6.1	2
86	Quaternary Seismostratigraphy and Tectonosedimentary Evolution of the North Tunisian Continental Margin. <i>Tectonics</i> , <b>2020</b> , 39, e2020TC006243	4.3	4
85	From gravity cores to overpressure history: the importance of measured sediment physical properties in hydrogeological models. <i>Geological Society Special Publication</i> , <b>2020</b> , 500, 289-300	1.7	2
84	Tectonic evolution, geomorphology and influence of bottom currents along a large submarine canyon system: The Sã Vicente Canyon (SW Iberian margin). <i>Marine Geology</i> , <b>2020</b> , 426, 106219	3.3	8
83	Near-pristine benthic habitats on the Francesc Pagã Bank, Alboran Sea, western Mediterranean <b>2020</b> , 889-901		2
82	Active tectonics and drainage evolution in the Tunisian Atlas driven by interaction between crustal shortening and mantle dynamics. <i>Geomorphology</i> , <b>2020</b> , 351, 106954	4.3	14
81	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> , <b>2020</b> , 165, 103369	2.5	5
80	Probabilistic mapping of earthquake-induced submarine landslide susceptibility in the South-West Iberian margin. <i>Marine Geology</i> , <b>2020</b> , 429, 106296	3.3	4
79	The Lithospheric Structure of the Gibraltar Arc System From Wide-Angle Seismic Data. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2020JB019854	3.6	9
78	Active Faults in Iberia. <i>Regional Geology Reviews</i> , <b>2020</b> , 33-75	2.5	1
77	Earthquake crisis unveils the growth of an incipient continental fault system. <i>Nature Communications</i> , <b>2019</b> , 10, 3482	17.4	14

76	Ecological characterisation of a Mediterranean cold-water coral reef: Cabliers Coral Mound Province (Alboran Sea, western Mediterranean). <i>Progress in Oceanography</i> , <b>2019</b> , 175, 245-262	3.8	31
75	Marine Transform Faults and Fracture Zones: A Joint Perspective Integrating Seismicity, Fluid Flow and Life. <i>Frontiers in Earth Science</i> , <b>2019</b> , 7,	3.5	24
74	15 Habitat Mapping of Cold-Water Corals in the Mediterranean Sea. <i>Coral Reefs of the World</i> , <b>2019</b> , 157-171		5
73	The Alpine Orogeny in the West and Southwest Iberia Margins. <i>Regional Geology Reviews</i> , <b>2019</b> , 487-505	2.5	6
72	Modern Submarine Landslide Complexes. <i>Geophysical Monograph Series</i> , <b>2019</b> , 181-200	1.1	6
71	Kinematic analysis of secondary faults within a distributed shear-zone reveals fault linkage and increased seismic hazard. <i>Marine Geology</i> , <b>2018</b> , 399, 23-33	3.3	10
70	Morphostructure, tectono-sedimentary evolution and seismic potential of the Horseshoe Fault, SW Iberian Margin. <i>Basin Research</i> , <b>2018</b> , 30, 382-400	3.2	17
69	Genesis of mud volcano fluids in the Gulf of Cadiz using a novel basin-scale model approach. <i>Geochimica Et Cosmochimica Acta</i> , <b>2018</b> , 243, 186-204	5.5	7
68	The Crustal Domains of the Alboran Basin (Western Mediterranean). <i>Tectonics</i> , <b>2018</b> , 37, 3352-3377	4.3	23
67	Tracking the Mediterranean outflow in the Gulf of Cadiz. <i>Progress in Oceanography</i> , <b>2017</b> , 157, 47-71	3.8	10
66	Characterization of the submesoscale energy cascade in the Alboran Sea thermocline from spectral analysis of high-resolution MCS data. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6461-6468	4.9	13
65	Geomorphology and Neogene tectonic evolution of the Palomares continental margin (Western Mediterranean). <i>Tectonophysics</i> , <b>2016</b> , 689, 25-39	3.1	18
64	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> , <b>2016</b> , 689, 115-132	3.1	16
63	Quaternary tectonic activity of the Carboneras Fault in the La Serrata range (SE Iberia): Geomorphological and chronological constraints. <i>Tectonophysics</i> , <b>2015</b> , 663, 78-94	3.1	17
62	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> , <b>2015</b> , 120, 8348-8365	3.6	26
61	Compressional tectonic inversion of the Algero-Balearic basin: Latest Miocene to present oblique convergence at the Palomares margin (Western Mediterranean). <i>Tectonics</i> , <b>2015</b> , 34, 1516-1543	4.3	29
60	Strike-slip faults mediate the rise of crustal-derived fluids and mud volcanism in the deep sea. <i>Geology</i> , <b>2015</b> , 43, 339-342	5	45
59	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> , <b>2014</b> , 119, 127-149	3.6	55

58	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> , <b>2014</b> , 99, 316-326	2-3	50
57	Historical and pre-historical tsunamis in the Mediterranean and its connected seas: Geological signatures, generation mechanisms and coastal impacts. <i>Marine Geology</i> , <b>2014</b> , 354, 81-109	3-3	95
56	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> , <b>2013</b> , 365, 120-131	5-3	68
55	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> , <b>2013</b> , 14, 2206-2231	3.6	36
54	Preface: Marine and Lake Paleoseismology. <i>Natural Hazards and Earth System Sciences</i> , <b>2013</b> , 13, 3469-3478	3-7	12
53	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> , <b>2012</b> , 548-549, 1-21	3-1	35
52	Quaternary active tectonic structures in the offshore Bajo Segura basin (SE Iberian Peninsula - Mediterranean Sea). <i>Natural Hazards and Earth System Sciences</i> , <b>2012</b> , 12, 3151-3168	3-9	13
51	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> , <b>2012</b> , 12, 3255-3267	3-9	29
50	The Bajo Segura Fault Zone: Active blind thrusting in the Eastern Betic Cordillera (SE Spain). <i>Journal of Iberian Geology</i> , <b>2012</b> , 38,	1-1	14
49	Evidence for active strike-slip faulting along the Eurasia-Africa convergence zone: Implications for seismic hazard in the southwest Iberian margin. <i>Geology</i> , <b>2012</b> , 40, 495-498	5	37
48	Habitats of the Chella Bank, Eastern Alboran Sea (Western Mediterranean) <b>2012</b> , 681-690		6
47	Large, deepwater slope failures: Implications for landslide-generated tsunamis. <i>Geology</i> , <b>2012</b> , 40, 931-934	3-4	47
46	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> , <b>2011</b> , 311, 112-123	5-3	99
45	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> , <b>2011</b> , 4, 809-813	4-7	10
44	Seismic imaging of staircase layers below the Mediterranean Undercurrent. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2010</b> , 57, 1345-1353	2-5	23
43	Holocene earthquake record offshore Portugal (SW Iberia): testing turbidite paleoseismology in a slow-convergence margin. <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 1156-1172	3-9	107
42	The quest for the Africa-Eurasia plate boundary west of the Strait of Gibraltar. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 280, 13-50	5-3	254
41	Sediment instability on the Portuguese continental margin under abrupt glacial climate changes (last 60kyr). <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 3211-3223	3-9	62

40	Very high-resolution seismo-acoustic imaging of seagrass meadows (Mediterranean Sea): Implications for carbon sink estimates. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	74
39	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> , <b>2008</b> , 98, 861-889	2.3	63
38	Cenozoic deformational structures on the Galicia Bank Region (NW Iberian continental margin). <i>Marine Geology</i> , <b>2008</b> , 249, 128-149	3.3	41
37	High-resolution seismic stratigraphy of the Galicia Bank Region and neighbouring abyssal plains (NW Iberian continental margin). <i>Marine Geology</i> , <b>2008</b> , 249, 108-127	3.3	32
36	Recent sedimentary processes in the Prestige site area (Galicia Bank, NW Iberian Margin) evidenced by high-resolution marine geophysical methods. <i>Marine Geology</i> , <b>2008</b> , 249, 21-45	3.3	18
35	Seafloor characterization and backscatter variability of the Almería Margin (Alboran Sea, SW Mediterranean) based on high-resolution acoustic data. <i>Marine Geology</i> , <b>2008</b> , 250, 1-18	3.3	52
34	Gas hydrate disturbance fabrics of southern Hydrate Ridge sediments (ODP Leg 204): Relationship with texture and physical properties. <i>Geo-Marine Letters</i> , <b>2007</b> , 27, 279-288	1.9	12
33	Diagenetic formation of greigite and pyrrhotite in gas hydrate marine sedimentary systems. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 261, 350-366	5.3	126
32	The tributary valley systems of the Almería Canyon (Alboran Sea, SW Mediterranean): Sedimentary architecture. <i>Marine Geology</i> , <b>2006</b> , 226, 207-223	3.3	25
31	Geological characterization of the Prestige sinking area. <i>Marine Pollution Bulletin</i> , <b>2006</b> , 53, 208-19	6.7	23
30	Rise of the base of the gas hydrate zone since the last glacial recorded by rock magnetism. <i>Geology</i> , <b>2006</b> , 34, 117	5	41
29	Identifying instrumental and historical earthquake records in the SW Iberian margin using 210Pb turbidite chronology. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	21
28	Active faulting offshore SE Spain (Alboran Sea): Implications for earthquake hazard assessment in the Southern Iberian Margin. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 241, 734-749	5.3	106
27	Quantitative textural analyses of TOBI sonar imagery along the Almería Canyon, Almería Margin, Alboran Sea, SE Spain. <i>Geological Society Special Publication</i> , <b>2005</b> , 244, 141-154	1.7	1
26	Feeding methane vents and gas hydrate deposits at south Hydrate Ridge. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	112
25	Three-dimensional distribution of gas hydrate beneath southern Hydrate Ridge: constraints from ODP Leg 204. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 222, 845-862	5.3	235
24	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> , <b>2003</b> , 22, n/a-n/a	4.3	107
23	Mapping active faults offshore Portugal (36°N-8°N): Implications for seismic hazard assessment along the southwest Iberian margin. <i>Geology</i> , <b>2003</b> , 31, 83	5	115

22	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> , <b>2002</b> , 16, 234-9	5.2	156
21	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> , <b>2000</b> , 98, 49-77	2.8	55
20	Submersible observations of Equatorial Atlantic mantle: The St. Paul Fracture Zone region. <i>Marine Geophysical Researches</i> , <b>2000</b> , 21, 529-560	2.3	47
19	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> , <b>2000</b> , 177, 89-103	5.3	102
18	Second-order segmentation; the relationship between volcanism and tectonism at the MAR, 38°N-5°40'N. <i>Earth and Planetary Science Letters</i> , <b>2000</b> , 178, 231-251	5.3	55
17	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> , <b>1999</b> , 104, 22903-22921		24
16	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> , <b>1998</b> , 20, 425-458	2.3	18
15	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> , <b>1998</b> , 148, 1-15	1.7	7
14	Central and eastern Bransfield basins (Antarctica) from high-resolution swath-bathymetry data. <i>Antarctic Science</i> , <b>1997</b> , 9, 168-180	1.7	43
13	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> , <b>1997</b> , 25, 1059	5	31
12	AMADEUS: advanced manipulation for deep underwater sampling. <i>IEEE Robotics and Automation Magazine</i> , <b>1997</b> , 4, 34-45	3.4	83
11	Active oceanic spreading in the northern North Fiji Basin: Results of the NOFI cruise of R/V <i>Latante</i> (newstarmer project). <i>Marine Geophysical Researches</i> , <b>1996</b> , 18, 225-247	2.3	18
10	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> , <b>1996</b> , 18, 249-273	2.3	10
9	Morphostructure and evolution of the central and Eastern Bransfield Basins (NW Antarctic Peninsula). <i>Marine Geophysical Researches</i> , <b>1996</b> , 18, 429-448	2.3	86
8	Propagating rift west of the Fiji Archipelago (North Fiji Basin, SW Pacific). <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 17823-17835		13
7	Evidence for sinistral strike-slip deformation in The Solomon Island arc. <i>Geo-Marine Letters</i> , <b>1994</b> , 14, 232-237	1.9	9
6	Propagating rift and overlapping spreading center in the North Fiji Basin. <i>Marine Geology</i> , <b>1994</b> , 116, 37-56	3.3	15
5	Kinematics of active spreading in the central North Fiji Basin (Southwest Pacific). <i>Marine Geology</i> , <b>1994</b> , 116, 69-87	3.3	21

4	Multi-scale morphologic variability of the North Fiji Basin ridge (Southwest Pacific). <i>Marine Geology</i> , <b>1994</b> , 116, 133-151	3-3	14
3	AMADEUS: advanced manipulator for deep underwater sampling		6
2	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
1	Rock Magnetic Identification of Magnetic Iron Sulfides and Its Bearing on the Occurrence of Gas Hydrates, ODP Leg 204 (Hydrate Ridge)		3