

Galderic Lastras

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

3,766
citations

147566

31
h-index

128067

60
g-index

77
all docs

77
docs citations

77
times ranked

4137
citing authors

#	ARTICLE	IF	CITATIONS
1	Marine Litter Distribution and Density in European Seas, from the Shelves to Deep Basins. PLoS ONE, 2014, 9, e95839.	1.1	495
2	Ploughing the deep sea floor. Nature, 2012, 489, 286-289.	13.7	367
3	Slope failure dynamics and impacts from seafloor and shallow sub-seafloor geophysical data: case studies from the COSTA project. Marine Geology, 2004, 213, 9-72.	0.9	348
4	Marine litter on the floor of deep submarine canyons of the Northwestern Mediterranean Sea: The role of hydrodynamic processes. Progress in Oceanography, 2015, 134, 379-403.	1.5	176
5	Sedimentary features and processes in the Nazar and Setbal submarine canyons, west Iberian margin. Marine Geology, 2008, 250, 64-88.	0.9	123
6	Dense shelf water cascades and sedimentary furrow formation in the Cap de Creus Canyon, northwestern Mediterranean Sea. Continental Shelf Research, 2008, 28, 2017-2030.	0.9	121
7	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
8	Impacts on the Deep-Sea Ecosystem by a Severe Coastal Storm. PLoS ONE, 2012, 7, e30395.	1.1	114
9	Geomorphology and sedimentary features in the Central Portuguese submarine canyons, Western Iberian margin. Geomorphology, 2009, 103, 310-329.	1.1	111
10	A walk down the Cap de Creus canyon, Northwestern Mediterranean Sea: Recent processes inferred from morphology and sediment bedforms. Marine Geology, 2007, 246, 176-192.	0.9	102
11	Europes Grand Canyon: Nazar Submarine Canyon. Oceanography, 2009, 22, 46-57.	0.5	86
12	Shallow slides and pockmark swarms in the Eivissa Channel, western Mediterranean Sea. Sedimentology, 2004, 51, 837-850.	1.6	83
13	Construction of an oceanic island: Insights from the El Hierro (Canary Islands) 2011-2012 submarine volcanic eruption. Geology, 2013, 41, 355-358.	2.0	83
14	Seafloor imagery from the BIC'95 debris flow, western Mediterranean. Geology, 2002, 30, 871.	2.0	70
15	Understanding sediment dynamics of two large submarine valleys from seafloor data: Blanes and La Fonera canyons, northwestern Mediterranean Sea. Marine Geology, 2011, 280, 20-39.	0.9	66
16	Morphogenetic mesoscale analysis of the northeastern Iberian margin, NW Mediterranean Basin. Marine Geology, 2006, 234, 3-20.	0.9	59
17	Characterisation of the recent BIC'95 debris flow deposit on the Ebro margin, Western Mediterranean Sea, after a variety of seismic reflection data. Marine Geology, 2004, 213, 235-255.	0.9	58
18	Impact of open-ocean convection on particle fluxes and sediment dynamics in the deep margin of the Gulf of Lions. Biogeosciences, 2013, 10, 1097-1116.	1.3	56

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19	Seabed morphology and shallow sedimentary structure of the Storfjorden and Kveithola trough-mouth fans (North West Barents Sea). <i>Marine Geology</i> , 2011, 286, 65-81.	0.9	55
20	Back-analysis and failure mechanisms of a large submarine slide on the ebro slope, NW Mediterranean. <i>Marine Geology</i> , 2006, 226, 185-206.	0.9	51
21	The Making of the NEAM Tsunami Hazard Model 2018 (NEAMTHM18). <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	50
22	Geomorphic response of submarine canyons to tectonic activity: Insights from the Cook Strait canyon system, New Zealand. , 2014, 10, 905-929.		49
23	Submarine canyon formation and evolution in the Argentine Continental Margin between 44°30'S and 48°S. <i>Geomorphology</i> , 2011, 128, 116-136.	1.1	48
24	Cold-Water Corals and Anthropogenic Impacts in La Fonera Submarine Canyon Head, Northwestern Mediterranean Sea. <i>PLoS ONE</i> , 2016, 11, e0155729.	1.1	47
25	Morphogenesis of the SW Balearic continental slope and adjacent abyssal plain, Western Mediterranean Sea. <i>International Journal of Earth Sciences</i> , 2009, 98, 735-750.	0.9	44
26	A submarine volcanic eruption leads to a novel microbial habitat. <i>Nature Ecology and Evolution</i> , 2017, 1, 144.	3.4	42
27	Submarine canyons of Santa Monica Bay, Southern California: Variability in morphology and sedimentary processes. <i>Marine Geology</i> , 2015, 365, 61-79.	0.9	38
28	Comparison between ROV video and Agassiz trawl methods for sampling deep water fauna of submarine canyons in the Northwestern Mediterranean Sea with observations on behavioural reactions of target species. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 114, 149-159.	0.6	38
29	The Role of Canyons on Strata Formation. <i>Oceanography</i> , 2004, 17, 80-91.	0.5	37
30	Conceptual and Numerical Modeling of the BIG'95 Debris Flow, Western Mediterranean Sea. <i>Journal of Sedimentary Research</i> , 2005, 75, 784-797.	0.8	36
31	Eivissa slides, western Mediterranean Sea: morphology and processes. <i>Geo-Marine Letters</i> , 2006, 26, 225-233.	0.5	33
32	Sediment undulations on the Llobregat prodelta: Signs of early slope instability or sedimentary bedforms?. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	33
33	Long-term development and current status of the Barcelona continental shelf: A source-to-sink approach. <i>Continental Shelf Research</i> , 2007, 27, 1779-1800.	0.9	31
34	Space-for-time substitution and the evolution of a submarine canyon "channel system in a passive progradational margin. <i>Geomorphology</i> , 2014, 221, 34-50.	1.1	29
35	Transient erosion in the Valencia Trough turbidite systems, NW Mediterranean Basin. <i>Geomorphology</i> , 2011, 130, 173-184.	1.1	28
36	The BIG'95 Submarine Landslide "Generated Tsunami: A Numerical Simulation. <i>Journal of Geology</i> , 2012, 120, 31-48.	0.7	27

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37	Failure mechanisms of Ana Slide from geotechnical evidence, Eivissa Channel, Western Mediterranean Sea. <i>Marine Geology</i> , 2012, 307-310, 1-21.	0.9	27
38	Sea floor morphology of the Ebro Shelf in the region of the Columbretes Islands, Western Mediterranean. <i>Geomorphology</i> , 2005, 72, 1-18.	1.1	25
39	Morphology and sediment dynamics of the northern Catalan continental shelf, northwestern Mediterranean Sea. <i>Geomorphology</i> , 2014, 204, 1-20.	1.1	23
40	Holocene Event Record of Ays�n Fjord (Chilean Patagonia): An Interplay of Volcanic Eruptions and Crustal and Megathrust Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 324-343.	1.4	23
41	Uncovering the footprint of former ice streams off Antarctica. <i>Eos</i> , 2003, 84, 97.	0.1	22
42	Sediment dynamics and post-glacial evolution of the continental shelf around the Blanes submarine canyon head (NW Mediterranean). <i>Progress in Oceanography</i> , 2013, 118, 28-46.	1.5	21
43	Landslides Cause Tsunami Waves: Insights From Ays�n Fjord, Chile. <i>Eos</i> , 2013, 94, 297-298.	0.1	21
44	Effects of coastal submarine canyons on tsunami propagation and impact. <i>Marine Geology</i> , 2014, 350, 39-51.	0.9	21
45	Imaging the Seascapes of the Mediterranean. <i>Oceanography</i> , 2004, 17, 144-155.	0.5	20
46	Significance of the fine drainage pattern for submarine canyon evolution: The Foix Canyon System, Northwestern Mediterranean Sea. <i>Geomorphology</i> , 2013, 184, 20-37.	1.1	19
47	Morphometry of Concepcion Bank: Evidence of Geological and Biological Processes on a Large Volcanic Seamount of the Canary Islands Seamount Province. <i>PLoS ONE</i> , 2016, 11, e0156337.	1.1	18
48	Seismo�turbidites in Ays�n Fjord (Southern Chile) Reveal a Complex Pattern of Rupture Modes Along the 1960 Megathrust Earthquake Segment. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019405.	1.4	17
49	Submarine Canyons and Gullies. <i>Springer Geology</i> , 2018, , 251-272.	0.2	17
50	Particle fluxes and their drivers in the Avil�s submarine canyon and adjacent slope, central Cantabrian margin, Bay of Biscay. <i>Progress in Oceanography</i> , 2016, 144, 39-61.	1.5	14
51	Numerical modeling of bottom trawling-induced sediment transport and accumulation in La Fonera submarine canyon, northwestern Mediterranean Sea. <i>Marine Geology</i> , 2017, 386, 107-125.	0.9	13
52	Visual faunistic exploration of geomorphological human-impacted deep-sea areas of the north-western Mediterranean Sea. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2018, 98, 1241-1252.	0.4	12
53	On the termination of deep-sea fan channels: Examples from the Rh�ne Fan (Gulf of Lion, Western) Tj ETQq1 1 0.784314 rgBT /Overl	1.1	10
54	First in situ observations of the deep-sea carnivorous ascidian <i>Dicopia antirrhinum</i> Monniot C., 1972 in the Western Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 83, 51-56.	0.6	8

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55	Active Faulting, Submarine Surface Rupture, and Seismic Migration Along the Liquiñe-Ofqui Fault System, Patagonian Andes. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019946.	1.4	8
56	26 Occurrence of Living Cold-Water Corals at Large Depths Within Submarine Canyons of the Northwestern Mediterranean Sea. <i>Coral Reefs of the World</i> , 2019, , 271-284.	0.3	7
57	Modeling Potential Tsunami Generation by the BIG™95 Landslide. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 507-515.	1.1	6
58	Influence on present-day coastal dynamics and evolution of a relict subaqueous delta lobe: Sol de Riu lobe, Ebro Delta. <i>Continental Shelf Research</i> , 2014, 74, 94-104.	0.9	5
59	The seafloor imprint of the Gerlache-Boyd Ice Stream (65°-62° S), northern Antarctic Peninsula. <i>Geological Society Memoir</i> , 2016, 46, 477-484.	0.9	5
60	Earthquake-Triggered Subaerial Landslides that Caused Large Scale Fjord Sediment Deformation: Combined Subaerial and Submarine Studies of the 2007 Aysón Fjord Event, Chile. , 2014, , 67-70.		4
61	Terminal and recessional moraines in the fjords of southern Chile. <i>Geological Society Memoir</i> , 2016, 46, 65-66.	0.9	4
62	High-Performance Compression of Multibeam Echosounders Water Column Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1771-1783.	2.3	4
63	Fjord-flank collapse and associated deformation in Aysón Fjord, Chile. <i>Geological Society Memoir</i> , 2016, 46, 107-108.	0.9	3
64	28 A Cold-Water Coral Habitat in La Fonera Submarine Canyon, Northwestern Mediterranean Sea. <i>Coral Reefs of the World</i> , 2019, , 291-293.	0.3	2
65	Landslide And Gravity Flow Features And Processes Of The Nazaró And Setábal Canyons, West Iberian Margin. , 2007, , 89-98.		2
66	Comments on "Recent mass-movement processes on the Ebro continental slope (NW Mediterranean)" by D. Casas, G. Ercilla, J. Baraza, B. Alonso, A. Maldonado†. <i>Marine and Petroleum Geology</i> , 2004, 21, 131-133.	1.5	1
67	Quantitative textural analyses of TOBI sonar imagery along the Almería Canyon, Almería Margin, Alborán Sea, SE Spain. <i>Geological Society Special Publication</i> , 2005, 244, 141-154.	0.8	1
68	Gebra Slide: glacial and tectonic controls on recurrent submarine landsliding off the northern tip of the Antarctic Peninsula. <i>Geological Society Memoir</i> , 2016, 46, 417-418.	0.9	1
69	Late Holocene current patterns in the northern Patagonian fjords recorded by sediment drifts in Aysón Fjord. <i>Marine Geology</i> , 2021, 441, 106604.	0.9	1
70	Submarine Canyons. , 2021, , .		0