

# Teresa Medialdea

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

55  
papers

1,982  
citations

25  
h-index

44  
g-index

65  
ext. papers

2,166  
ext. citations

2.9  
avg, IF

4.37  
L-index

#	Paper	IF	Citations
55	Bottom Simulating Reflectors Along the Scan Basin, a Deep-Sea Gateway Between the Weddell Sea (Antarctica) and Scotia Sea <b>2022</b> , 483-492		
54	High-resolution multibeam bathymetry of the northern Mid-Atlantic Ridge at 45°6' N: the Moytirra hydrothermal field. <i>Journal of Maps</i> , <b>2021</b> , 17, 184-196	2.2	3
53	The Interactive Role of Hydrocarbon Seeps, Hydrothermal Vents and Intermediate Antarctic/Mediterranean Water Masses on the Distribution of Some Vulnerable Deep-Sea Habitats in Mid Latitude NE Atlantic Ocean. <i>Oceans</i> , <b>2021</b> , 2, 351-385	1.3	4
52	A relict oasis of living deep-sea mussels <i>Bathymodiolus</i> and microbial-mediated seep carbonates at newly-discovered active cold seeps in the Gulf of Cádiz, NE Atlantic Ocean. <i>Palaontologische Zeitschrift</i> , <b>2021</b> , 95, 793-807	1.2	1
51	Siboglinidae Tubes as an Additional Niche for Microbial Communities in the Gulf of Cádiz-A Microscopical Appraisal. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	7
50	Integrated thematic geological mapping of the Atlantic Margin of Iberia. <i>Geological Society Special Publication</i> , <b>2020</b> , SP505-2019-90	1.7	4
49	Multiple factors controlling the deep marine sedimentation of the Alboran Sea (SW Mediterranean) after the Zanclean Atlantic Mega-flood. <i>Marine Geology</i> , <b>2020</b> , 423, 106138	3.3	12
48	Low-temperature, shallow-water hydrothermal vent mineralization following the recent submarine eruption of Tagoro volcano (El Hierro, Canary Islands). <i>Marine Geology</i> , <b>2020</b> , 430, 106333	3.3	5
47	Multidisciplinary Scientific Cruise to the Northern Mid-Atlantic Ridge and Azores Archipelago. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	3
46	Cold-water corals and hydrocarbon-rich seepage in Pompeia Province (Gulf of Cádiz) living on the edge. <i>Biogeosciences</i> , <b>2019</b> , 16, 1607-1627	4.6	11
45	Hydrogenetic, Diagenetic and Hydrothermal Processes Forming Ferromanganese Crusts in the Canary Island Seamounts and Their Influence in the Metal Recovery Rate with Hydrometallurgical Methods. <i>Minerals (Basel, Switzerland)</i> , <b>2019</b> , 9, 439	2.4	19
44	The Alpine Orogeny in the West and Southwest Iberia Margins. <i>Regional Geology Reviews</i> , <b>2019</b> , 487-505	2.5	6
43	A new scenario for the mass transport deposits west Canary volcanic province. <i>Earth and Planetary Science Letters</i> , <b>2019</b> , 509, 27-37	5.3	6
42	Morphostructure of the Galicia continental margin and adjacent deep ocean floor: From hyperextended rifted to convergent margin styles. <i>Marine Geology</i> , <b>2019</b> , 407, 299-315	3.3	8
41	Giant mass-transport deposits in the southern Scotia Sea (Antarctica). <i>Geological Society Special Publication</i> , <b>2019</b> , 477, 195-205	1.7	3
40	Morphology and shallow structure of seafloor mounds in the Canary Basin (Eastern Central Atlantic Ocean). <i>Geomorphology</i> , <b>2018</b> , 313, 27-47	4.3	9
39	High-Resolution Analysis of Critical Minerals and Elements in Fe-Mn Crusts from the Canary Island Seamount Province (Atlantic Ocean). <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 285	2.4	25

38	Shape and Size Complexity of Deep Seafloor Mounds on the Canary Basin (West to Canary Islands, Eastern Atlantic): A DEM-Based Geomorphometric Analysis of Domes and Volcanoes. <i>Geosciences (Switzerland)</i> , <b>2018</b> , 8, 37	2.7	10
37	Evidence of a modern deep water magmatic hydrothermal system in the Canary Basin (eastern central Atlantic Ocean). <i>Geochemistry, Geophysics, Geosystems</i> , <b>2017</b> , 18, 3138-3164	3.6	13
36	Evolution of submarine eruptive activity during the 2011-2012 El Hierro event as documented by hydroacoustic images and remotely operated vehicle observations. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2017</b> , 18, 3109-3137	3.6	25
35	Multi-event oceanic island landslides: New onshore-offshore insights from El Hierro Island, Canary Archipelago. <i>Marine Geology</i> , <b>2017</b> , 393, 156-175	3.3	25
34	FE-RICH MINERALIZED MICROBES FROM HYDROTHERMAL VENTS AT TAGORO SUBMARINE VOLCANO, EL HIERRO ISLAND (CENTRAL EAST ATLANTIC) <b>2017</b> ,		2
33	Phosphorites, Co-rich Mn nodules, and Fe-Mn crusts from Galicia Bank, NE Atlantic: Reflections of Cenozoic tectonics and paleoceanography. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2016</b> , 17, 346-374	3.6	39
32	Geomorphological features in the southern Canary Island Volcanic Province: The importance of volcanic processes and massive slope instabilities associated with seamounts. <i>Geomorphology</i> , <b>2016</b> , 255, 125-139	4.3	21
31	Seismic evidence of current-controlled sedimentation in the Alboran Sea during the Pliocene and Quaternary: Palaeoceanographic implications. <i>Marine Geology</i> , <b>2016</b> , 378, 292-311	3.3	38
30	Onshore and Offshore Geomorphological Features of the El Golfo Debris Avalanche (El Hierro, Canary Islands). <i>Advances in Natural and Technological Hazards Research</i> , <b>2016</b> , 83-92	1.8	1
29	GIS Catalogue of Submarine Landslides in the Spanish Continental Shelf: Potential and Difficulties for Susceptibility Assessment. <i>Advances in Natural and Technological Hazards Research</i> , <b>2016</b> , 499-508	1.8	3
28	Evidence of episodic long-lived eruptions in the Yuma, Ginsburg, Jesús Baraza and Tasyo mud volcanoes, Gulf of Cádiz. <i>Geo-Marine Letters</i> , <b>2016</b> , 36, 197-214	1.9	16
27	Reply to comment from Blanco et al. (2015) on Evidence from acoustic imaging for submarine volcanic activity in 2012 off the west coast of El Hierro (Canary Islands, Spain) by Pérez et al. [Bull. Volcanol. (2014), 76:882-896]. <i>Bulletin of Volcanology</i> , <b>2015</b> , 77, 1	2.4	5
26	Seafloor mounds, craters and depressions linked to seismic chimneys breaching fossilized diagenetic bottom simulating reflectors in the central and southern Scotia Sea, Antarctica. <i>Global and Planetary Change</i> , <b>2014</b> , 123, 359-373	4.2	16
25	Pockmarks on either side of the Strait of Gibraltar: formation from overpressured shallow contourite gas reservoirs and internal wave action during the last glacial sea-level lowstand?. <i>Geo-Marine Letters</i> , <b>2014</b> , 34, 131-151	1.9	25
24	Detection and mapping of cold-water coral mounds and living <i>Lophelia</i> reefs in the Galicia Bank, Atlantic NW Iberia margin. <i>Marine Geology</i> , <b>2014</b> , 349, 73-90	3.3	47
23	Evidence from acoustic imaging for submarine volcanic activity in 2012 off the west coast of El Hierro (Canary Islands, Spain). <i>Bulletin of Volcanology</i> , <b>2014</b> , 76, 1	2.4	11
22	Mass transport processes in the southern Scotia Sea: Evidence of paleoearthquakes. <i>Global and Planetary Change</i> , <b>2014</b> , 123, 374-391	4.2	19
21	New discoveries of mud volcanoes on the Moroccan Atlantic continental margin (Gulf of Cádiz): morpho-structural characterization. <i>Geo-Marine Letters</i> , <b>2012</b> , 32, 473-488	1.9	36

20	Ferromanganese nodules and micro-hardgrounds associated with the Cadiz Contourite Channel (NE Atlantic): Palaeoenvironmental records of fluid venting and bottom currents. <i>Chemical Geology</i> , <b>2012</b> , 310-311, 56-78	4.2	48
19	Structure of mud volcano systems and pockmarks in the region of the Ceuta Contourite Depositional System (Western Alborñ Sea). <i>Marine Geology</i> , <b>2012</b> , 332-334, 4-26	3.3	56
18	Imaging the recent sediment dynamics of the Galicia Bank region (Atlantic, NW Iberian Peninsula). <i>Marine Geophysical Researches</i> , <b>2011</b> , 32, 99-126	2.3	41
17	Pliocene-Quaternary contourites along the northern Gulf of Cadiz margin: sedimentary stacking pattern and regional distribution. <i>Geo-Marine Letters</i> , <b>2011</b> , 31, 377-390	1.9	41
16	Pockmarks, collapses and blind valleys in the Gulf of Cñiz. <i>Geo-Marine Letters</i> , <b>2010</b> , 30, 231-247	1.9	47
15	Tectonics and mud volcano development in the Gulf of Cñiz. <i>Marine Geology</i> , <b>2009</b> , 261, 48-63	3.3	105
14	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
13	Multibeam backscatter as a tool for sea-floor characterization and identification of oil spills in the Galicia Bank. <i>Marine Geology</i> , <b>2008</b> , 249, 93-107	3.3	30
12	Morphological feature analyses of the Prestige half-graben on the SW Galicia Bank. <i>Marine Geology</i> , <b>2008</b> , 249, 7-20	3.3	13
11	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
10	Sea-floor features related to hydrocarbon seeps in deepwater carbonate-mud mounds of the Gulf of Cñiz: from mud flows to carbonate precipitates. <i>Geo-Marine Letters</i> , <b>2007</b> , 27, 237-247	1.9	79
9	Gas-related morphologies and diapirism in the Gulf of Cñiz. <i>Geo-Marine Letters</i> , <b>2007</b> , 27, 213-221	1.9	58
8	Classification of sea-floor features associated with methane seeps along the Gulf of Cñiz continental margin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2006</b> , 53, 1464-1481	2.3	48
7	The contourite depositional system of the Gulf of Cñiz: A sedimentary model related to the bottom current activity of the Mediterranean outflow water and its interaction with the continental margin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2006</b> , 53, 1420-1463	2.3	170
6	Structure and evolution of the Olistostrome Complex of the Gibraltar Arc in the Gulf of Cñiz (eastern Central Atlantic): evidence from two long seismic cross-sections. <i>Marine Geology</i> , <b>2004</b> , 209, 173-198	3.3	155
5	Seabed morphology and hydrocarbon seepage in the Gulf of Cñiz mud volcano area: Acoustic imagery, multibeam and ultra-high resolution seismic data. <i>Marine Geology</i> , <b>2003</b> , 195, 153-176	3.3	189
4	Vast fields of hydrocarbon-derived carbonate chimneys related to the accretionary wedge/olistostrome of the Gulf of Cñiz. <i>Marine Geology</i> , <b>2003</b> , 195, 177-200	3.3	183
3	Large-scale slope failure involving Triassic and Middle Miocene salt and shale in the Gulf of Cñiz (Atlantic Iberian Margin). <i>Terra Nova</i> , <b>2003</b> , 15, 380-391	3	44

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| 2 | Looking for clues to paleoceanographic imprints: A diagnosis of the Gulf of Cadiz contourite depositional systems. <i>Geology</i> , <b>2003</b> , 31, 19 | 5   | 137 |
| 1 | Submarine Active Faults and Morpho-Tectonics Around the Iberian Margins: Seismic and Tsunami Hazards. <i>Frontiers in Earth Science</i> , 9,             | 3-5 | 1   |