

Manuel Catal n

List of Publications by Year in descending order

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35
papers

667
citations

687363

13
h-index

580821

25
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35
all docs

35
docs citations

35
times ranked

1129
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat Flux Distribution of Antarctica Unveiled. <i>Geophysical Research Letters</i> , 2017, 44, 11,417.	4.0	136
2	Geologic evolution of the Canarian Islands of Lanzarote, Fuerteventura, Gran Canaria and La Gomera and comparison of landslides at these islands with those at Tenerife, La Palma and El Hierro. <i>Marine Geophysical Researches</i> , 2003, 24, 1-40.	1.2	76
3	Geothermal Heat Flux Reveals the Iceland Hotspot Track Underneath Greenland. <i>Geophysical Research Letters</i> , 2018, 45, 8214-8222.	4.0	67
4	A new global marine magnetic anomaly data set. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	53
5	Initial stages of oceanic spreading in the Bransfield Rift from magnetic and gravity data analysis. <i>Tectonophysics</i> , 2013, 585, 102-112.	2.2	40
6	Upper crustal structure of Deception Island area (Bransfield Strait, Antarctica) from gravity and magnetic modelling. <i>Antarctic Science</i> , 2005, 17, 213-224.	0.9	38
7	Photon Pressure Force on Space Debris TOPEX/Poseidon Measured by Satellite Laser Ranging. <i>Earth and Space Science</i> , 2017, 4, 661-668.	2.6	26
8	Comparison of volcanic rifts on La Palma and El Hierro, Canary Islands and the Island of Hawaii. <i>Marine Geophysical Researches</i> , 2003, 24, 59-90.	1.2	25
9	Imaging the Growth of Recent Faults: The Case of 2016â€“2017 Seismic Sequence Sea Bottom Deformation in the Alboran Sea (Western Mediterranean). <i>Tectonics</i> , 2018, 37, 2513-2530.	2.8	22
10	A magnetic anomaly study offshore the Canary Archipelago. <i>Marine Geophysical Researches</i> , 2003, 24, 129-148.	1.2	17
11	Insights about the structure and evolution of the Scotia Arc from a new magnetic data compilation. <i>Global and Planetary Change</i> , 2014, 123, 239-248.	3.5	16
12	Submarine morpho-structure and active processes along the North American-Caribbean plate boundary (Dominican Republic sector). <i>Marine Geology</i> , 2019, 407, 121-147.	2.1	15
13	Survey explores active tectonics in northeastern Caribbean. <i>Eos</i> , 2005, 86, 537.	0.1	13
14	Asthenospheric Pacificâ€“Atlantic flow barriers and the West Scotia Ridge extinction. <i>Geophysical Research Letters</i> , 2014, 41, 43-49.	4.0	12
15	Monitoring the evolution of Deception Island volcano from magnetic anomaly data (South Shetland) Tj ETQq1 1 0.784314 rgBT /Overbor	3.5	12
16	Curie Depth, Heat Flux, and Thermal Subsidence Reveal the Pacific Mantle Outflow Through the Scotia Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10735-10751.	3.4	12
17	Geomagnetic secular variation of Bransfield Strait (Western Antarctica) from analysis of marine crossover data. <i>Geophysical Journal International</i> , 2006, 165, 73-86.	2.4	9
18	Evaluation of using R-SCHA to simultaneously model main field and secular variation multilevel geomagnetic data for the North Atlantic. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 263, 55-68.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Morphological and structural analysis in the Anaga offshore massif, Canary Islands: fractures and debris avalanches relationships. <i>Marine Geophysical Researches</i> , 2003, 24, 91-112.	1.2	8
20	Improving total field geomagnetic secular variation modeling from a new set of cross-over marine data. <i>Physics of the Earth and Planetary Interiors</i> , 2013, 216, 21-31.	1.9	8
21	Making a Better Magnetic Map. <i>Eos</i> , 2016, 97, .	0.1	8
22	Echo-character of the NW Iberian continental margin and the adjacent abyssal plains. <i>Journal of Maps</i> , 2018, 14, 56-67.	2.0	7
23	Bouguer anomalies of the NW Iberian continental margin and the adjacent abyssal plains. <i>Journal of Maps</i> , 2019, 15, 635-641.	2.0	7
24	New insights on the Alboran Sea basin extension and continental collision from magnetic anomalies related to magmatism (western Mediterranean). <i>Marine Geology</i> , 2022, 443, 106696.	2.1	6
25	Unveiling Powell Basin's Tectonic Domains and Understanding Its Abnormal Magnetic Anomaly Signature. Is Heat the Key?. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	5
26	Salt Diapirs, Salt Brine Seeps, Pockmarks and Surficial Sediment Creep and Slides in the Canary Channel off NW Africa. <i>Marine Geophysical Researches</i> , 2003, 24, 41-57.	1.2	3
27	Echo-character distribution in the Cantabrian Margin and the Biscay Abyssal Plain. <i>Journal of Maps</i> , 2021, 17, 547-556.	2.0	3
28	Bootstrapping Swarm and observatory data to generate candidates for the DGRF and IGRF-13. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	3
29	New Evidence Supporting the Pacific Mantle Outflow: Hints from Crustal Magnetization of the Phoenix Plate. <i>Remote Sensing</i> , 2022, 14, 1642.	4.0	3
30	Evidence of different ocean responses to atmospheric pressure variations in the Atlantic, Indian and Pacific Basins as deduced from ERS-2 altimetric data. <i>Annales Geophysicae</i> , 2004, 22, 331-345.	1.6	2
31	Statistical analysis of the oceanic magnetic anomaly data. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 284, 28-35.	1.9	2
32	Eurasia-Africa Plate Boundary Affected by a South Atlantic Asthenospheric Channel in the Gulf of Cadiz Region?. <i>Pure and Applied Geophysics</i> , 2020, 177, 1725-1738.	1.9	2
33	Data gathered to map magnetic anomalies of Spanish sea floor. <i>Eos</i> , 2001, 82, 433-433.	0.1	1
34	Magnetic anomalies of the NW Iberian continental margin and the adjacent abyssal plains. <i>Journal of Maps</i> , 2020, 16, 680-688.	2.0	1
35	A magnetic anomaly study offshore the Canary Archipelago. , 2005, , 129-148.		0