

Johanna Lofi

List of Publications by Year in descending order

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74
papers

2,998
citations

249298

26
h-index

190340

53
g-index

82
all docs

82
docs citations

82
times ranked

3009
citing authors

#	ARTICLE	IF	CITATIONS
1	The Messinian Salinity Crisis: Past and future of a great challenge for marine sciences. <i>Marine Geology</i> , 2014, 352, 25-58.	0.9	436
2	Erosional processes and paleo-environmental changes in the Western Gulf of Lions (SW France) during the Messinian Salinity Crisis. <i>Marine Geology</i> , 2005, 217, 1-30.	0.9	189
3	The formation of peak rings in large impact craters. <i>Science</i> , 2016, 354, 878-882.	6.0	181
4	Evolution of the Late Miocene Mediterranean–Atlantic gateways and their impact on regional and global environmental change. <i>Earth-Science Reviews</i> , 2015, 150, 365-392.	4.0	171
5	Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , 2014, 344, 1244-1250.	6.0	144
6	Rapid recovery of life at ground zero of the end-Cretaceous mass extinction. <i>Nature</i> , 2018, 558, 288-291.	13.7	123
7	Refining our knowledge of the Messinian salinity crisis records in the offshore domain through multi-site seismic analysis. <i>Bulletin - Societe Geologique De France</i> , 2011, 182, 163-180.	0.9	120
8	Plio–Quaternary prograding clinoform wedges of the western Gulf of Lion continental margin (NW Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	100
9	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. <i>Global and Planetary Change</i> , 2015, 133, 49-64.	1.6	99
10	Evolution of the gulf of Cadiz margin and southwest Portugal contourite depositional system: Tectonic, sedimentary and paleoceanographic implications from IODP expedition 339. <i>Marine Geology</i> , 2016, 377, 7-39.	0.9	89
11	Rock fluidization during peak-ring formation of large impact structures. <i>Nature</i> , 2018, 562, 511-518.	13.7	74
12	Probing the hydrothermal system of the Chicxulub impact crater. <i>Science Advances</i> , 2020, 6, eaaz3053.	4.7	69
13	Extraordinary rocks from the peak ring of the Chicxulub impact crater: P-wave velocity, density, and porosity measurements from IODP/ICDP Expedition 364. <i>Earth and Planetary Science Letters</i> , 2018, 495, 1-11.	1.8	65
14	Offshore evidence of polyphase erosion in the Valencia Basin (Northwestern Mediterranean): Scenario for the Messinian Salinity Crisis. <i>Sedimentary Geology</i> , 2006, 188-189, 69-91.	1.0	64
15	Digital image treatment applied to ichnological analysis of marine core sediments. <i>Facies</i> , 2014, 60, 39-44.	0.7	60
16	The Late Messinian salinity crisis and Late Miocene tectonism: Interaction and consequences on the physiography and post-rift evolution of the Gulf of Lions margin. <i>Marine and Petroleum Geology</i> , 2005, 22, 695-712.	1.5	56
17	High-resolution and high-precision correlation of dark and light layers in the Quaternary hemipelagic sediments of the Japan Sea recovered during IODP Expedition 346. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	1.1	55
18	Synchronous onset of the Messinian evaporite precipitation: First Mediterranean offshore evidence. <i>Earth and Planetary Science Letters</i> , 2015, 427, 112-124.	1.8	44

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19	Control of alongshore-oriented sand spits on the dynamics of a wave-dominated coastal system (Holocene deposits, northern Gulf of Lions, France). <i>Marine Geology</i> , 2009, 264, 242-257.	0.9	39
20	Freshening of the Mediterranean Salt Giant: controversies and certainties around the terminal (Upper) Tj ETQq0 0 0,rgBT /Overlock 10 T	4.6	39
21	Late-Holocene evolution of a coastal lagoon in the Gulf of Lions (South of France). <i>Bulletin - Societe Geologique De France</i> , 2010, 181, 27-36.	0.9	36
22	Coastal groundwater salinization: Focus on the vertical variability in a multi-layered aquifer through a multi-isotope fingerprinting (Roussillon Basin, France). <i>Science of the Total Environment</i> , 2016, 566-567, 398-415.	3.9	36
23	The Messinian erosional surface and early Pliocene reflooding in the Alboran Sea: New insights from the Boudinar basin, Morocco. <i>Sedimentary Geology</i> , 2016, 333, 115-129.	1.0	35
24	Correlation between onshore and offshore Pliocene-Quaternary systems tracts below the Roussillon Basin (eastern Pyrenees, France). <i>Marine and Petroleum Geology</i> , 2005, 22, 747-756.	1.5	33
25	Title is missing!, 2013, 9, 1257.		33
26	Messinian Salinity Crisis deposits widespread over the Balearic Promontory: Insights from new high-resolution seismic data. <i>Marine and Petroleum Geology</i> , 2015, 66, 41-54.	1.5	32
27	Quaternary chronostratigraphic framework and sedimentary processes for the Gulf of Cadiz and Portuguese Contourite Depositional Systems derived from Natural Gamma Ray records. <i>Marine Geology</i> , 2016, 377, 40-57.	0.9	32
28	Offshore Freshened Groundwater in Continental Margins. <i>Reviews of Geophysics</i> , 2021, 59, e2020RC000706.	9.0	31
29	Evidence for pre-Messinian submarine canyons on the Gulf of Lions slope (Western Mediterranean). <i>Marine and Petroleum Geology</i> , 2008, 25, 804-817.	1.5	28
30	Holocene evolution of a Languedocian lagoonal environment controlled by inherited coastal morphology (northern Gulf of Lions, France). <i>Bulletin - Societe Geologique De France</i> , 2010, 181, 211-224.	0.9	27
31	Impact-Induced Porosity and Microfracturing at the Chicxulub Impact Structure. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1960-1978.	1.5	23
32	Geological discontinuities, main flow path and chemical alteration in a marly hill prone to slope instability: Assessment from petrophysical measurements and borehole image analysis. <i>Hydrological Processes</i> , 2012, 26, 2071-2084.	1.1	21
33	Record of the Messinian Salinity Crisis in the SW Mallorca area (Balearic Promontory, Spain). <i>Marine Geology</i> , 2014, 357, 304-320.	0.9	21
34	The Western Tyrrhenian Sea revisited: New evidence for a rifted basin during the Messinian Salinity Crisis. <i>Marine Geology</i> , 2018, 398, 1-21.	0.9	21
35	Integrated Onshore-Offshore Investigation of a Mediterranean Layered Coastal Aquifer. <i>Ground Water</i> , 2013, 51, 550-561.	0.7	20
36	Fresh-water and salt-water distribution in passive margin sediments: Insights from Integrated Ocean Drilling Program Expedition 313 on the New Jersey Margin. , 2013, 9, 1009-1024.		20

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37	The Messinian Salinity Crisis deposits in the Balearic Promontory: An undeformed analog of the MSC Sicilian basins??. <i>Marine and Petroleum Geology</i> , 2021, 124, 104777.	1.5	20
38	SCOPIX - digital processing of X-ray images for the enhancement of sedimentary structures in undisturbed core slabs. <i>Geo-Marine Letters</i> , 2001, 20, 182-186.	0.5	19
39	Submarine and subaerial erosion of volcanic landscapes: comparing Pacific Ocean seamounts with Valencia Seamount, exposed during the Messinian Salinity Crisis. <i>Basin Research</i> , 2008, 20, 489-502.	1.3	19
40	Near-surface CO ₂ leak detection monitoring from downhole electrical resistivity at the CO ₂ Field Laboratory, Svelvik Ridge (Norway). <i>International Journal of Greenhouse Gas Control</i> , 2014, 28, 275-282.	2.3	18
41	Salt tectonics and crustal tectonics along the Eastern Sardinian margin, Western Tyrrhenian: New insights from the "METYSS 1" cruise. <i>Tectonophysics</i> , 2014, 615-616, 69-84.	0.9	18
42	Last millennia sedimentary record on a micro-tidal, low-accumulation prodelta (T ^h NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,542 Td (N	0.9	17
43	The sedimentary markers of the Messinian salinity crisis and their relation with salt tectonics on the Provençal margin (western Mediterranean): results from the "MAURESCA" cruise. <i>Bulletin - Societe Geologique De France</i> , 2011, 182, 181-196.	0.9	16
44	Origin of the large Pliocene and Pleistocene debris flows on the Algarve margin. <i>Marine Geology</i> , 2016, 377, 58-76.	0.9	16
45	Life and death in the Chicxulub impact crater: a record of the Paleocene-Eocene Thermal Maximum. <i>Climate of the Past</i> , 2020, 16, 1889-1899.	1.3	16
46	Time-lapse downhole electrical resistivity monitoring of subsurface CO ₂ storage at the Maguelone shallow experimental site (Languedoc, France). <i>International Journal of Greenhouse Gas Control</i> , 2016, 48, 142-154.	2.3	14
47	Origin and implications of orbital-induced sedimentary cyclicity in Pliocene well-logs of the Western Mediterranean. <i>Marine Geology</i> , 2018, 403, 150-164.	0.9	14
48	Title is missing!. , 2013, 9, 1025.		12
49	Seismic Reflection Methods in Offshore Groundwater Research. <i>Geosciences (Switzerland)</i> , 2020, 10, 299.	1.0	12
50	Site M0077: Post-Impact Sedimentary Rocks. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	12
51	Giant solution-collapse subsidence structure in the Western Mediterranean related to deep substratum dissolution. <i>Terra Nova</i> , 2012, 24, 181-188.	0.9	11
52	Modeling Gas Transport in the Shallow Subsurface in Maguelone Field Experiment. <i>Energy Procedia</i> , 2013, 40, 337-345.	1.8	10
53	Expedition 364 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	10
54	Facies architecture of Miocene subaqueous clinothems of the New Jersey passive margin: Results from IODP-ICDP Expedition 313. , 2018, 14, 1564-1591.		9

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55	Shaping of the Present-Day Deep Biosphere at Chicxulub by the Impact Catastrophe That Ended the Cretaceous. <i>Frontiers in Microbiology</i> , 2021, 12, 668240.	1.5	8
56	Flexural isostatic reconstruction of the Western Mediterranean during the Messinian Salinity Crisis: Implications for water level and basin connectivity. <i>Basin Research</i> , 0, , .	1.3	8
57	On Baseline Determination and Gas Saturation Derivation from Downhole Electrical Monitoring of Shallow Biogenic Gas Production. <i>Energy Procedia</i> , 2015, 76, 555-564.	1.8	7
58	Expedition 364 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	7
59	Carbonate and silicate cementation of siliciclastic sediments of the New Jersey shelf (IODP Expedition) Tj ETQq1 1 0.784314 rgBT /Over Letters, 2017, 37, 537-547.	0.5	5
60	Ocean resurge-induced impact melt dynamics on the peak-ring of the Chicxulub impact structure, Mexico. <i>International Journal of Earth Sciences</i> , 2021, 110, 2619-2636.	0.9	5
61	Drilling-induced and logging-related features illustrated from IODP ICDP Expedition 364 downhole logs and borehole imaging tools. <i>Scientific Drilling</i> , 0, 24, 1-13.	1.0	5
62	Depositional environment and age of some key Late Pliocene to Early Quaternary deposits on the underfilled Cedrino paleovalley (Orosei): Insight into the Neogene geodynamic evolution of Sardinia. <i>Quaternary International</i> , 2015, 357, 220-236.	0.7	4
63	New onshore/offshore evidence of the Messinian Erosion Surface from key areas: The Ibiza-Balearic Promontory and the Orosei-Eastern Sardinian margin. <i>Bulletin - Societie Geologique De France</i> , 2020, 191, 9.	0.9	4
64	Plio-Quaternary strike-slip tectonics in the Central Mallorca Depression, Balearic Promontory: Land-sea correlation. <i>Tectonophysics</i> , 2022, 829, 229295.	0.9	4
65	Orientations of planar cataclastic zones in the Chicxulub peak ring as a ground truth for peak ring formation models. <i>Earth and Planetary Science Letters</i> , 2021, 576, 117236.	1.8	3
66	Site M0077: introduction. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	2
67	Performance of the Wireline Heave Compensation System Onboard D/V JOIDES Resolution. <i>Scientific Drilling</i> , 0, 15, 46-50.	1.0	2
68	Genetic model of deposition for the Miocene of the Gulf of Lions (western Mediterranean) from seismic stratigraphy and well log correlation. , 2003, , .		2
69	Comparison of stress orientation indicators in Chicxulub's peak ring: Kinked biotites, basal PDFs, and feather features. , 2021, , 479-493.		1
70	Data report: orientation correction of Chicxulub core recovered from IODP/ICDP Expedition 364. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	1
71	Borehole Seismic Observations From the Chicxulub Impact Drilling: Implications for Seismic Reflectivity and Impact Damage. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	1
72	Peering inside the peak ring of the Chicxulub Impact Crater's nature and formation mechanism. <i>Geology Today</i> , 2019, 35, 68-72.	0.3	0

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73	Multiscale Goelectrical Properties of the Rochechouart Impact Structure, France. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC010036.	1.0	0
74	Petrophysics of Chicxulub impact crater's peak ring. <i>Journal of Geophysical Research: Solid Earth</i> , 0, , .	1.4	0