

Johanna Lofi

List of Publications by Citations

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69
papers

2,255
citations

25
h-index

46
g-index

82
ext. papers

2,663
ext. citations

6.5
avg, IF

4.38
L-index

#	Paper	IF	Citations
69	The Messinian Salinity Crisis: Past and future of a great challenge for marine sciences. <i>Marine Geology</i> , 2014 , 352, 25-58	3.3	328
68	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	3.3	169
67	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	10.2	136
66	The formation of peak rings in large impact craters. <i>Science</i> , 2016 , 354, 878-882	33.3	129
65	Paleoceanography. Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , 2014 , 344, 1244-50	33.3	119
64	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	2.3	99
63	Plio-Quaternary prograding clinoform wedges of the western Gulf of Lion continental margin (NW Mediterranean) after the Messinian Salinity Crisis. <i>Marine Geology</i> , 2003 , 198, 289-317	3.3	90
62	Rapid recovery of life at ground zero of the end-Cretaceous mass extinction. <i>Nature</i> , 2018 , 558, 288-291	50.4	90
61	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. <i>Global and Planetary Change</i> , 2015 , 133, 49-64	4.2	67
60	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	3.3	65
59	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	2.8	59
58	Digital image treatment applied to ichnological analysis of marine core sediments. <i>Facies</i> , 2014 , 60, 39-44	4.8	53
57	Rock fluidization during peak-ring formation of large impact structures. <i>Nature</i> , 2018 , 562, 511-518	50.4	52
56	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	4.7	50
55	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	5.3	48
54	Probing the hydrothermal system of the Chicxulub impact crater. <i>Science Advances</i> , 2020 , 6, eaaz3053	14.3	37
53	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	3.3	35

52	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,	3.9	34
51	Synchronous onset of the Messinian evaporite precipitation: First Mediterranean offshore evidence. <i>Earth and Planetary Science Letters</i> , 2015 , 427, 112-124	5.3	30
50	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	2.3	30
49	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	4.7	30
48	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	10.2	28
47	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	2.8	26
46	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	3.3	26
45	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	4.7	25
44	Evidence for pre-Messinian submarine canyons on the Gulf of Lions slope (Western Mediterranean). <i>Marine and Petroleum Geology</i> , 2008 , 25, 804-817	4.7	25
43	2013 , 9, 1257		24
42	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 ^{2.3}	2.3	24
41	Record of the Messinian Salinity Crisis in the SW Mallorca area (Balearic Promontory, Spain). <i>Marine Geology</i> , 2014 , 357, 304-320	3.3	18
40	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	1.9	17
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	3.2	16
38	The Western Tyrrhenian Sea revisited: New evidence for a rifted basin during the Messinian Salinity Crisis. <i>Marine Geology</i> , 2018 , 398, 1-21	3.3	15
37	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	4.2	15
36	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	3.1	15
35	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	3.3	15

34	The sedimentary markers of the Messinian salinity crisis and their relation with salt tectonics on the Provençal margin (western Mediterranean): results from the MAURESC cruise. <i>Bulletin - Societe Geologique De France</i> , 2011 , 182, 181-196	2.3	15
33	Origin of the large Pliocene and Pleistocene debris flows on the Algarve margin. <i>Marine Geology</i> , 2016 , 377, 58-76	3.3	14
32	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		13
31	Impact-Induced Porosity and Microfracturing at the Chicxulub Impact Structure. <i>Journal of Geophysical Research E: Planets</i> , 2019 , 124, 1960-1978	4.1	12
30	Integrated onshore-offshore investigation of a Mediterranean layered coastal aquifer. <i>Ground Water</i> , 2013 , 51, 550-61	2.4	12
29	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	4.2	11
28	2013 , 9, 1025		11
27	Last millennia sedimentary record on a micro-tidal, low-accumulation prodelta (T ₁ NW Mediterranean). <i>Marine Geology</i> , 2007 , 243, 77-96	3.3	11
26	Modeling Gas Transport in the Shallow Subsurface in Maguelone Field Experiment. <i>Energy Procedia</i> , 2013 , 40, 337-345	2.3	10
25	Site M0077: Post-Impact Sedimentary Rocks. <i>Proceedings of the International Ocean Discovery Program</i> ,		10
24	Offshore Freshened Groundwater in Continental Margins. <i>Reviews of Geophysics</i> , 2021 , 59, e2020RG000706		10
23	Giant solution-subsidence structure in the Western Mediterranean related to deep substratum dissolution. <i>Terra Nova</i> , 2012 , 24, 181-188	3	9
22	Freshening of the Mediterranean Salt Giant: controversies and certainties around the terminal (Upper Gypsum and Lago-Mare) phases of the Messinian Salinity Crisis. <i>Earth-Science Reviews</i> , 2021 , 216, 103577	10.2	9
21	Origin and implications of orbital-induced sedimentary cyclicity in Pliocene well-logs of the Western Mediterranean. <i>Marine Geology</i> , 2018 , 403, 150-164	3.3	8
20	Expedition 364 methods. <i>Proceedings of the International Ocean Discovery Program</i> ,		7
19	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	4.7	7
18	Facies architecture of Miocene subaqueous clinothems of the New Jersey passive margin: Results from IODP-ICDP Expedition 313 2018 , 14, 1564-1591		6
17	On Baseline Determination and Gas Saturation Derivation From Downhole Electrical Monitoring of Shallow Biogenic Gas Production. <i>Energy Procedia</i> , 2015 , 76, 555-564	2.3	5

16	Expedition 364 summary. <i>Proceedings of the International Ocean Discovery Program</i> ,		5
15	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	3.9	5
14	Seismic Reflection Methods in Offshore Groundwater Research. <i>Geosciences (Switzerland)</i> , 2020 , 10, 299	2.7	4
13	Carbonate and silicate cementation of siliciclastic sediments of the New Jersey shelf (IODP Expedition 313): relation with organic matter diagenesis and submarine groundwater discharge. <i>Geo-Marine Letters</i> , 2017 , 37, 537-547	1.9	3
12	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	2	3
11	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	2.2	3
10	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	5.7	3
9	New onshore/offshore evidence of the Messinian Erosion Surface from key areas: The Ibiza-Balearic Promontory and the Orosei-Eastern Sardinian margin. <i>Bulletin - Societe Geologique De France</i> , 2020 , 191, 9	2.3	2
8	Site M0077: introduction. <i>Proceedings of the International Ocean Discovery Program</i> ,		2
7	Drilling-induced and logging-related features illustrated from IODP/ICDP Expedition 364 downhole logs and borehole imaging tools. <i>Scientific Drilling</i> , 24, 1-13		2
6	Genetic model of deposition for the Miocene of the Gulf of Lions (western Mediterranean) from seismic stratigraphy and well log correlation 2003 ,		2
5	Flexural-isostatic reconstruction of the Western Mediterranean during the Messinian Salinity Crisis: Implications for water level and basin connectivity. <i>Basin Research</i> ,	3.2	1
4	Orientations of planar cataclasite 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	5.3	0
3	Plio-Quaternary strike-slip tectonics in the Central Mallorca Depression, Balearic Promontory: Land-Sea correlation. <i>Tectonophysics</i> , 2022 , 829, 229295	3.1	0
2	Peering inside the peak ring of the Chicxulub Impact Crater: Its nature and formation mechanism. <i>Geology Today</i> , 2019 , 35, 68-72	0.4	
1	Multiscale Geoelectrical Properties of the Rochechouart Impact Structure, France. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2021GC010036	3.6	