

Johanna Lofi

List of Publications by Year in descending order

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74
papers

2,998
citations

218677

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168389

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82
all docs

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docs citations

82
times ranked

2733
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. | 2.1 | 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. | 2.1 | 189 |
| 3 | The formation of peak rings in large impact craters. <i>Science</i> , 2016, 354, 878-882. | 12.6 | 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. | 9.1 | 171 |
| 5 | Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , 2014, 344, 1244-1250. | 12.6 | 144 |
| 6 | Rapid recovery of life at ground zero of the end-Cretaceous mass extinction. <i>Nature</i> , 2018, 558, 288-291. | 27.8 | 123 |
| 7 | Refining our knowledge of the Messinian salinity crisis records in the offshore domain through multi-site seismic analysis. <i>Bulletin - Societie Geologique De France</i> , 2011, 182, 163-180. | 2.2 | 120 |
| 8 | Plio–Quaternary prograding clinoform wedges of the western Gulf of Lion continental margin (NW Tj ETQq0 0 0.rgBT /Overlock 10 Tf | 2.1 | 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. | 3.5 | 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. | 2.1 | 89 |
| 11 | Rock fluidization during peak-ring formation of large impact structures. <i>Nature</i> , 2018, 562, 511-518. | 27.8 | 74 |
| 12 | Probing the hydrothermal system of the Chicxulub impact crater. <i>Science Advances</i> , 2020, 6, eaaz3053. | 10.3 | 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. | 4.4 | 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. | 2.1 | 64 |
| 15 | Digital image treatment applied to ichnological analysis of marine core sediments. <i>Facies</i> , 2014, 60, 39-44. | 1.4 | 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. | 3.3 | 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, . | 3.0 | 55 |
| 18 | Synchronous onset of the Messinian evaporite precipitation: First Mediterranean offshore evidence. <i>Earth and Planetary Science Letters</i> , 2015, 427, 112-124. | 4.4 | 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. | 2.1 | 39 |
| 20 | Freshening of the Mediterranean Salt Giant: controversies and certainties around the terminal (Upper Tj ETQq0 0 Q,rgBT /Overlock 10 T | 9.1 | 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. | 2.2 | 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. | 8.0 | 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. | 2.1 | 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. | 3.3 | 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. | 3.3 | 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. | 2.1 | 32 |
| 28 | Offshore Freshened Groundwater in Continental Margins. <i>Reviews of Geophysics</i> , 2021, 59, e2020RC000706. | 23.0 | 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. | 3.3 | 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. | 2.2 | 27 |
| 31 | Impact-Induced Porosity and Microfracturing at the Chicxulub Impact Structure. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1960-1978. | 3.6 | 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. | 2.6 | 21 |
| 33 | Record of the Messinian Salinity Crisis in the SW Mallorca area (Balearic Promontory, Spain). <i>Marine Geology</i> , 2014, 357, 304-320. | 2.1 | 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. | 2.1 | 21 |
| 35 | Integrated Onshore-Offshore Investigation of a Mediterranean Layered Coastal Aquifer. <i>Ground Water</i> , 2013, 51, 550-561. | 1.3 | 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. | 3.3 | 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. | 1.1 | 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. | 2.7 | 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. | 4.6 | 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. | 2.2 | 18 |
| 42 | Last millennia sedimentary record on a micro-tidal, low-accumulation prodelta (T ₁ NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,542 Td (N | 2.1 | 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. | 2.2 | 16 |
| 44 | Origin of the large Pliocene and Pleistocene debris flows on the Algarve margin. <i>Marine Geology</i> , 2016, 377, 58-76. | 2.1 | 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. | 3.4 | 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. | 4.6 | 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. | 2.1 | 14 |
| 48 | Title is missing!. , 2013, 9, 1025. | | 12 |
| 49 | Seismic Reflection Methods in Offshore Groundwater Research. <i>Geosciences (Switzerland)</i> , 2020, 10, 299. | 2.2 | 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. | 2.1 | 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. | 3.5 | 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, , . | 2.7 | 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. | 1.1 | 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. | 1.8 | 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. | 0.6 | 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. | 1.5 | 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. | 2.2 | 4 |
| 64 | Plio-Quaternary strike-slip tectonics in the Central Mallorca Depression, Balearic Promontory: Land-sea correlation. <i>Tectonophysics</i> , 2022, 829, 229295. | 2.2 | 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. | 4.4 | 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. | 0.6 | 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, . | 2.5 | 1 |
| 72 | Peering inside the peak ring of the Chicxulub Impact Crater—its nature and formation mechanism. <i>Geology Today</i> , 2019, 35, 68-72. | 0.9 | 0 |

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|----|---|-----|-----------|
| 73 | Multiscale Goelectrical Properties of the Rochechouart Impact Structure, France. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC010036. | 2.5 | 0 |
| 74 | Petrophysics of Chicxulub impact crater's peak ring. <i>Journal of Geophysical Research: Solid Earth</i> , 0, , . | 3.4 | 0 |