

Katherine L Maier

List of Publications by Year in descending order

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32
papers

1,053
citations

567281

15
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Powerful turbidity currents driven by dense basal layers. <i>Nature Communications</i> , 2018, 9, 4114.	12.8	164
2	Origins of large crescent-shaped bedforms within the axial channel of Monterey Canyon, offshore California. , 2010, 6, 755-774.		135
3	Erosion at inception of deep-sea channels. <i>Marine and Petroleum Geology</i> , 2013, 41, 48-61.	3.3	118
4	The elusive character of discontinuous deep-water channels: New insights from Lucia Chica channel system, offshore California. <i>Geology</i> , 2011, 39, 327-330.	4.4	66
5	A new model for turbidity current behavior based on integration of flow monitoring and precision coring in a submarine canyon. <i>Geology</i> , 2017, 45, 367-370.	4.4	64
6	Deep-sea channel evolution and stratigraphic architecture from inception to abandonment from high-resolution Autonomous Underwater Vehicle surveys offshore central California. <i>Sedimentology</i> , 2013, 60, 935-960.	3.1	57
7	Punctuated Deep-Water Channel Migration: High-Resolution Subsurface Data from the Lucia Chica Channel System, Offshore California, U.S.A. <i>Journal of Sedimentary Research</i> , 2012, 82, 1-8.	1.6	53
8	What determines the downstream evolution of turbidity currents?. <i>Earth and Planetary Science Letters</i> , 2020, 532, 116023.	4.4	52
9	Linking Direct Measurements of Turbidity Currents to Submarine Canyon-Floor Deposits. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	40
10	Unraveling the Channel-Lobe Transition Zone With High-Resolution AUV Bathymetry: Navy Fan, Offshore Baja California, Mexico. <i>Journal of Sedimentary Research</i> , 2017, 87, 1049-1059.	1.6	37
11	Controls on submarine canyon head evolution: Monterey Canyon, offshore central California. <i>Marine Geology</i> , 2018, 404, 24-40.	2.1	35
12	The Palos Verdes Fault offshore Southern California: Late Pleistocene to present tectonic geomorphology, seascape evolution, and slip rate estimate based on AUV and ROV surveys. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 4734-4758.	3.4	31
13	Preconditioning by sediment accumulation can produce powerful turbidity currents without major external triggers. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116845.	4.4	24
14	Submarine-fan development revealed by integrated high-resolution datasets from La Jolla Fan, offshore California, U.S.A.. <i>Journal of Sedimentary Research</i> , 2020, 90, 468-479.	1.6	22
15	Sediment and organic carbon transport and deposition driven by internal tides along Monterey Canyon, offshore California. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 153, 103108.	1.4	20
16	Direct evidence of a high-concentration basal layer in a submarine turbidity current. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 161, 103300.	1.4	18
17	Records of continental slope sediment flow morphodynamic responses to gradient and active faulting from integrated AUV and ROV data, offshore Palos Verdes, southern California Borderland. <i>Marine Geology</i> , 2017, 393, 47-66.	2.1	17
18	The Tectonically Controlled San Gabriel Channel-Lobe Transition Zone, Catalina Basin, Southern California Borderland. <i>Journal of Sedimentary Research</i> , 2018, 88, 942-959.	1.6	14

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19	Exploring a new breadth of cyclic steps on distal submarine fans. <i>Sedimentology</i> , 2021, 68, 1378-1399.	3.1	13
20	A late Miocene low-nutrient window for Caribbean reef formation?. <i>Coral Reefs</i> , 2007, 26, 635-639.	2.2	11
21	Submarine Channel Mouth Settings: Processes, Geomorphology, and Deposits. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	10
22	Refined depositional history and dating of the Tongaporutuan reference section, north Taranaki, New Zealand: new volcanic ash Uâ€Pb zircon ages, biostratigraphy and sedimentation rates. <i>New Zealand Journal of Geology, and Geophysics</i> , 2016, 59, 313-329.	1.8	8
23	Seafloor fluid seeps on Kimki Ridge, offshore southern California: Links to active strike-slip faulting. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 150, 82-91.	1.4	8
24	Slope failure and mass transport processes along the Queen Charlotte Fault Zone, western British Columbia. <i>Geological Society Special Publication</i> , 2019, 477, 85-106.	1.3	6
25	Rightâ€Lateral Fault Motion along the Slopeâ€Basin Transition, Gulf of Santa Catalina, Southern California. , 2019, , 256-272.		6
26	Quaternary Tephrochronology and Deposition in the Subsurface Sacramentoâ€San Joaquin Delta, California, U.S.A.. <i>Quaternary Research</i> , 2015, 83, 378-393.	1.7	4
27	Investigation of Late Pleistocene and Holocene Activity in the San Gregorio Fault Zone on the Continental Slope North of Monterey Canyon, Offshore Central California. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 1094-1106.	2.3	4
28	Morphology, structure, and kinematics of the San Clemente and Catalina faults based on high-resolution marine geophysical data, southern California Inner Continental Borderland (USA). , 2020, 16, 1312-1335.		3
29	The Santa Cruz Basin Submarine Landslide Complex, Southern California: Repeated Failure of Uplifted Basin Sediment. , 2019, , 117-134.		2
30	Seafloor pockmarks on the South Westland margin of the South Island/Te Waipounamu, Aotearoa New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2023, 66, 42-58.	1.8	2
31	Nearâ€Bed Structure of Sediment Gravity Flows Measured by Motionâ€Sensing âœBoulderâ€Likeâ€Benthic Event Detectors (BEDs) in Monterey Canyon. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	2.8	2
32	Punctuated Deep-Water Channel Migration: High-Resolution Subsurface Data From the Lucia Chica Channel System, Offshore California, U.S.A.-Reply. <i>Journal of Sedimentary Research</i> , 2013, 83, 93-95.	1.6	1