

James T Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1403720/publications.pdf>

Version: 2024-02-01

77
papers

3,477
citations

159585

30
h-index

144013

57
g-index

78
all docs

78
docs citations

78
times ranked

2754
citing authors

#	ARTICLE	IF	CITATIONS
1	Source-to-sink transport processes of fluvial sediments in the South China Sea. <i>Earth-Science Reviews</i> , 2016, 153, 238-273.	9.1	351
2	Impacts of large dams on downstream fluvial sedimentation: An example of the Three Gorges Dam (TGD) on the Changjiang (Yangtze River). <i>Journal of Hydrology</i> , 2013, 480, 10-18.	5.4	288
3	Clay mineral distribution in surface sediments of the northeastern South China Sea and surrounding fluvial drainage basins: Source and transport. <i>Marine Geology</i> , 2010, 277, 48-60.	2.1	229
4	Detrital fine-grained sediment contribution from Taiwan to the northern South China Sea and its relation to regional ocean circulation. <i>Marine Geology</i> , 2008, 255, 149-155.	2.1	194
5	Detection of the Three Gorges Dam influence on the Changjiang (Yangtze River) submerged delta. <i>Scientific Reports</i> , 2014, 4, 6600.	3.3	192
6	Insights into Submarine Geohazards from Breaks in Subsea Telecommunication Cables. <i>Oceanography</i> , 2014, 27, 58-67.	1.0	142
7	A thirteen-year record of bathymetric changes in the North Passage, Changjiang (Yangtze) estuary. <i>Geomorphology</i> , 2013, 187, 101-107.	2.6	102
8	From the highest to the deepest: The Gaoping Riverâ€™s Gaoping Submarine Canyon dispersal system. <i>Earth-Science Reviews</i> , 2016, 153, 274-300.	9.1	98
9	Sediment trapping of turbidity maxima in the Changjiang Estuary. <i>Marine Geology</i> , 2012, 303-306, 14-25.	2.1	94
10	The effect of a submarine canyon on the river sediment dispersal and inner shelf sediment movements in southern Taiwan. <i>Marine Geology</i> , 2002, 181, 357-386.	2.1	88
11	Polycyclic aromatic hydrocarbons in coastal sediments of southwest Taiwan: An appraisal of diagnostic ratios in source recognition. <i>Marine Pollution Bulletin</i> , 2009, 58, 752-760.	5.0	85
12	Kuroshio subsurface water feeds the wintertime Taiwan Warm Current on the inner East China Sea shelf. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 4790-4803.	2.6	85
13	Gravity Flows Associated with Flood Events and Carbon Burial: Taiwan as Instructional Source Area. <i>Annual Review of Marine Science</i> , 2013, 5, 47-68.	11.6	77
14	Turbulent mixing and internal tides in Gaoping (Kaoping) Submarine Canyon, Taiwan. <i>Journal of Marine Systems</i> , 2009, 76, 383-396.	2.1	70
15	Geochemistry of riverâ€™borne clays entering the East China Sea indicates two contrasting types of weathering and sediment transport processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3034-3052.	2.5	58
16	Frequent sediment density flows during 2006 to 2015, triggered by competing seismic and weather events: Observations from subsea cable breaks off southern Taiwan. <i>Marine Geology</i> , 2017, 384, 147-158.	2.1	56
17	Sediment dynamics in a submarine canyon: a case of riverâ€™sea interaction. <i>Marine Geology</i> , 2004, 207, 55-81.	2.1	55
18	A submarine canyon conduit under typhoon conditions off Southern Taiwan. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 223-240.	1.4	51

#	ARTICLE	IF	CITATIONS
19	Geochemical controls on distributions and speciation of As and Hg in sediments along the Gaoping (Kaoping) Estuaryâ€“Canyon system off southwestern Taiwan. <i>Journal of Marine Systems</i> , 2009, 76, 479-495.	2.1	51
20	From suspended particles to strata: The fate of terrestrial substances in the Gaoping (Kaoping) submarine canyon. <i>Journal of Marine Systems</i> , 2009, 76, 417-432.	2.1	43
21	Morphological evolution of the South Passage in the Changjiang (Yangtze River) estuary, China. <i>Quaternary International</i> , 2015, 380-381, 314-326.	1.5	40
22	Distribution of grain sizes across a transgressive shoreface. <i>Marine Geology</i> , 1989, 87, 121-136.	2.1	39
23	A comprehensive sediment dynamics study of a major mud belt system on the inner shelf along an energetic coast. <i>Scientific Reports</i> , 2018, 8, 4229.	3.3	39
24	The coastal depositional system of a small mountainous river: a perspective from grain-size distributions. <i>Marine Geology</i> , 2000, 165, 63-86.	2.1	36
25	Numerical modeling study of sediment dispersal by a river plume. <i>Continental Shelf Research</i> , 2002, 22, 1745-1773.	1.8	36
26	Records of submarine natural hazards off SW Taiwan. <i>Geological Society Special Publication</i> , 2012, 361, 41-60.	1.3	36
27	A new approach to discriminate dinoflagellate from diatom blooms from space in the East China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4653-4668.	2.6	36
28	Tidal and flood signatures of settling particles in the Gaoping submarine canyon (SW Taiwan) revealed from radionuclide and flow measurements. <i>Marine Geology</i> , 2009, 267, 8-17.	2.1	35
29	Cycloneâ€“induced hyperpycnal turbidity currents in a submarine canyon. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	35
30	Internal tidal currents in the Gaoping (Kaoping) Submarine Canyon. <i>Journal of Marine Systems</i> , 2009, 76, 397-404.	2.1	33
31	Patterns of Sediment Transport Pathways on a Headland Bay Beachâ€“Nanwan Beach, South China: A Case Study. <i>Journal of Coastal Research</i> , 2010, 26, 1096-1103.	0.3	31
32	Observation of internal tidal currents in the Kaoping Canyon off southwestern Taiwan. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 80, 153-160.	2.1	30
33	Effects of a major typhoon on sediment accumulation in Fangliao Submarine Canyon, SW Taiwan. <i>Marine Geology</i> , 2012, 326-328, 116-130.	2.1	30
34	River plume induced variability of suspended particle characteristics. <i>Marine Geology</i> , 2016, 380, 219-230.	2.1	30
35	Human interference in the water discharge of the Changjiang (Yangtze River), China. <i>Hydrological Sciences Journal</i> , 2015, 60, 1770-1782.	2.6	29
36	Redistribution of multi-phase particulate organic carbon in a marine shelf and canyon system during an exceptional river flood: Effects of Typhoon Morakot on the Gaoping Riverâ€“Canyon system. <i>Marine Geology</i> , 2015, 363, 191-201.	2.1	29

#	ARTICLE	IF	CITATIONS
37	Island-based catchment?The Taiwan example. <i>Regional Environmental Change</i> , 2004, 4, 39-48.	2.9	28
38	Quantifying tidal signatures of the benthic nepheloid layer in Gaoping Submarine Canyon in Southern Taiwan. <i>Marine Geology</i> , 2010, 271, 119-130.	2.1	27
39	The use of polycyclic aromatic hydrocarbons as a particulate tracer in the water column of Gaoping (Kaoping) Submarine Canyon. <i>Journal of Marine Systems</i> , 2009, 76, 457-467.	2.1	25
40	In-situ estimations of the density and porosity of flocs of varying sizes in a submarine canyon. <i>Marine Geology</i> , 2010, 276, 105-109.	2.1	25
41	Isotopic evidence for the influence of typhoons and submarine canyons on the sourcing and transport behavior of biospheric organic carbon to the deep sea. <i>Earth and Planetary Science Letters</i> , 2017, 465, 103-111.	4.4	23
42	Partition of suspended and riverbed sediments related to the salt-wedge in the lower reaches of a small mountainous river. <i>Marine Geology</i> , 2009, 264, 152-164.	2.1	19
43	Development of upwelling on pathway and freshwater transport of <sc>P</sc>earl <sc>R</sc>iver plume in northeastern <sc>S</sc>outh <sc>C</sc>hina <sc>S</sc>ea. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6090-6109.	2.6	18
44	Survival of graphitized petrogenic organic carbon through multiple erosional cycles. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115992.	4.4	18
45	Resolving bathymetric components of the upper shoreface on a wave-dominated coast. <i>Marine Geology</i> , 1988, 82, 169-186.	2.1	16
46	The Influence of Episodic Weather Events on Tidal Residual Currents: A Case Study at Sebastian Inlet, Florida. <i>Estuaries and Coasts</i> , 1992, 15, 109.	1.7	16
47	Tracing typhoon effects on particulate transport in a submarine canyon using polycyclic aromatic hydrocarbons. <i>Marine Chemistry</i> , 2013, 157, 1-11.	2.3	16
48	On the links between a river's hyperpycnal plume and marine benthic nepheloid layer in the wake of a typhoon. <i>Progress in Oceanography</i> , 2014, 127, 62-73.	3.2	16
49	Particle dynamics of the surface, intermediate, and benthic nepheloid layers under contrasting conditions of summer monsoon and typhoon winds on the boundary between the Taiwan Strait and East China Sea. <i>Progress in Oceanography</i> , 2017, 156, 130-144.	3.2	15
50	Foraminiferal shells in sediment traps: Implications of biogenic particle transport in the Kao-ping submarine canyon, Taiwan. <i>Continental Shelf Research</i> , 2005, 25, 2261-2272.	1.8	14
51	Shoreface dynamics: Evidence from bathymetry and surficial sediments. <i>Marine Geology</i> , 1990, 94, 37-53.	2.1	13
52	Dispersion of disposed dredged slurry in the meso-tidal Changjiang (Yangtze River) Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 70, 663-672.	2.1	13
53	Transport and fluxes of terrestrial polycyclic aromatic hydrocarbons in a small mountain river and submarine canyon system. <i>Journal of Environmental Management</i> , 2016, 178, 30-41.	7.8	13
54	Sources of settling particulate organic carbon during summer in the northern Taiwan Strait. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 198, 487-496.	2.1	13

#	ARTICLE	IF	CITATIONS
55	Simulation of grain-size abundances on a barred upper shoreface. <i>Marine Geology</i> , 1993, 109, 237-251.	2.1	12
56	Morphodynamic evolution of a newly formed tidal inlet. <i>Coastal and Estuarine Studies</i> , 1993, , 62-94.	0.4	12
57	Clay-mineral compositions of sediments in the Gaoping River-Sea system: Implications for weathering, sedimentary routing and carbon cycling. <i>Chemical Geology</i> , 2016, 447, 11-26.	3.3	12
58	Reconstruction of silicate weathering intensity and paleoenvironmental change during the late Quaternary in the Zhuoshui River catchment in Taiwan. <i>Quaternary International</i> , 2017, 452, 43-53.	1.5	12
59	Sediment trapping and bypassing characteristics of a stable tidal inlet at Kaohsiung Harbor, Taiwan. <i>Marine Geology</i> , 1997, 140, 367-390.	2.1	10
60	The coastal transition at the mouth of a small mountainous river in Taiwan. <i>Sedimentology</i> , 1998, 45, 803-816.	3.1	10
61	The effects of flow rate and temperature on SPMD measurements of bioavailable PAHs in seawater. <i>Marine Pollution Bulletin</i> , 2015, 97, 217-223.	5.0	10
62	Land-sea duel in the late Quaternary at the mouth of a small river with high sediment yield. <i>Journal of Asian Earth Sciences</i> , 2017, 143, 59-76.	2.3	10
63	Three-dimensional coupling between size-fractionated chlorophyll-a, POC and physical processes in the Taiwan Strait in summer. <i>Progress in Oceanography</i> , 2019, 176, 102129.	3.2	10
64	Sediment Dynamics Observed in the Jhoushuei River and Adjacent Coastal Zone in Taiwan Strait. <i>Oceanography</i> , 2011, 24, 122-131.	1.0	9
65	Submarine topography-related spatial variability of the southern Taiwan Strait sands (East Asia). <i>Marine Geology</i> , 2021, 436, 106495.	2.1	9
66	Using satellite observations of ocean color to categorize the dispersal patterns of river-borne substances in the Gaoping (Kaoping) River, Shelf and Canyon system. <i>Journal of Marine Systems</i> , 2009, 76, 496-510.	2.1	8
67	Rectification of the heading and tilting of sediment trap arrays due to strong tidal currents in a submarine canyon. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	7
68	A centennial record of anthropogenic impacts and extreme weather events in southwestern Taiwan: Evidence from sedimentary molecular markers in coastal margin. <i>Marine Pollution Bulletin</i> , 2014, 86, 244-253.	5.0	7
69	Coupling between physical processes and biogeochemistry of suspended particles over the inner shelf mud in the East China Sea. <i>Marine Geology</i> , 2021, 442, 106657.	2.1	7
70	Encountering shoaling internal waves on the dispersal pathway of the pearl river plume in summer. <i>Scientific Reports</i> , 2021, 11, 999.	3.3	7
71	Decreasing trend of kuroshio intrusion and its effect on the chlorophyll-a concentration in the Luzon Strait, South China Sea. <i>GIScience and Remote Sensing</i> , 2022, 59, 633-647.	5.9	7
72	Settling fluxes of cohesive sediments measured by sediment traps in a semi-enclosed embayment with strong tidal environments. <i>Continental Shelf Research</i> , 2015, 106, 17-26.	1.8	5

#	ARTICLE	IF	CITATIONS
73	Land-Ocean Interaction Affected by the Monsoon Regime Change in Western Taiwan Strait. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
74	Holocene variation of radiocarbon reservoir age offshore western Taiwan, derived from paired charcoals and mollusks. <i>Quaternary International</i> , 2019, 527, 79-86.	1.5	3
75	Climate-driven drainage reorganization of small mountainous rivers in Taiwan (East Asia) since the last glaciation: The Zhuoshui River example. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 586, 110759.	2.3	3
76	Sedimentary Anthropogenic Carbon Signals From the Western Pacific Margin for the Last Century. <i>Frontiers in Earth Science</i> , 2022, 9, .	1.8	1
77	Influence of sediment sources, water mass, and physical processes on the dynamics of flocs at a location between the mouth of a river and the head of a submarine canyon. <i>Marine Geology</i> , 2022, 445, 106736.	2.1	1