

# James T Liu

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76 papers	2,581 citations	26 h-index	49 g-index
78 ext. papers	3,050 ext. citations	3.8 avg, IF	5.12 L-index

#	Paper	IF	Citations
76	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> , <b>2022</b> , 445, 106736	3.3	
75	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> , <b>2022</b> , 59, 633-647	4.8	0
74	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> , <b>2021</b> , 586, 110759	2.9	0
73	Submarine topography-related spatial variability of the southern Taiwan Strait sands (East Asia). <i>Marine Geology</i> , <b>2021</b> , 436, 106495	3.3	2
72	Coupling between physical processes and biogeochemistry of suspended particles over the inner shelf mud in the East China Sea. <i>Marine Geology</i> , <b>2021</b> , 442, 106657	3.3	2
71	Encountering shoaling internal waves on the dispersal pathway of the pearl river plume in summer. <i>Scientific Reports</i> , <b>2021</b> , 11, 999	4.9	2
70	Survival of graphitized petrogenic organic carbon through multiple erosional cycles. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 531, 115992	5.3	10
69	Holocene variation of radiocarbon reservoir age offshore western Taiwan, derived from paired charcoals and mollusks. <i>Quaternary International</i> , <b>2019</b> , 527, 79-86	2	2
68	Three-dimensional coupling between size-fractionated chlorophyll-a, POC and physical processes in the Taiwan Strait in summer. <i>Progress in Oceanography</i> , <b>2019</b> , 176, 102129	3.8	6
67	A comprehensive sediment dynamics study of a major mud belt system on the inner shelf along an energetic coast. <i>Scientific Reports</i> , <b>2018</b> , 8, 4229	4.9	26
66	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> , <b>2017</b> , 384, 147-158	3.3	31
65	Reconstruction of silicate weathering intensity and paleoenvironmental change during the late Quaternary in the Zhuoshui River catchment in Taiwan. <i>Quaternary International</i> , <b>2017</b> , 452, 43-53	2	10
64	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> , <b>2017</b> , 143, 59-76	2.8	9
63	Development of upwelling on pathway and freshwater transport of Pearl River plume in northeastern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , <b>2017</b> , 122, 6090-6109	3.3	15
62	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> , <b>2017</b> , 465, 103-111	5.3	14
61	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> , <b>2017</b> , 156, 130-144	3.8	11
60	Sources of settling particulate organic carbon during summer in the northern Taiwan Strait. <i>Estuarine, Coastal and Shelf Science</i> , <b>2017</b> , 198, 487-496	2.9	8

59	Source-to-sink transport processes of fluvial sediments in the South China Sea. <i>Earth-Science Reviews</i> , <b>2016</b> , 153, 238-273	10.2	227
58	Kuroshio subsurface water feeds the wintertime Taiwan Warm Current on the inner East China Sea shelf. <i>Journal of Geophysical Research: Oceans</i> , <b>2016</b> , 121, 4790-4803	3.3	49
57	Clay-mineral compositions of sediments in the Gaoping River-Sea system: Implications for weathering, sedimentary routing and carbon cycling. <i>Chemical Geology</i> , <b>2016</b> , 447, 11-26	4.2	8
56	From the highest to the deepest: The Gaoping River-Gaoping Submarine Canyon dispersal system. <i>Earth-Science Reviews</i> , <b>2016</b> , 153, 274-300	10.2	52
55	River plume induced variability of suspended particle characteristics. <i>Marine Geology</i> , <b>2016</b> , 380, 219-230	9.3	21
54	Transport and fluxes of terrestrial polycyclic aromatic hydrocarbons in a small mountain river and submarine canyon system. <i>Journal of Environmental Management</i> , <b>2016</b> , 178, 30-41	7.9	8
53	Settling fluxes of cohesive sediments measured by sediment traps in a semi-enclosed embayment with strong tidal environments. <i>Continental Shelf Research</i> , <b>2015</b> , 106, 17-26	2.4	3
52	Human interference in the water discharge of the Changjiang (Yangtze River), China. <i>Hydrological Sciences Journal</i> , <b>2015</b> , 60, 1770-1782	3.5	21
51	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 River-Canyon system. <i>Marine Geology</i> , <b>2015</b> , 363, 191-201	3.3	19
50	Morphological evolution of the South Passage in the Changjiang (Yangtze River) estuary, China. <i>Quaternary International</i> , <b>2015</b> , 380-381, 314-326	2	31
49	The effects of flow rate and temperature on SPMD measurements of bioavailable PAHs in seawater. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 97, 217-223	6.7	9
48	Geochemistry of river-borne clays entering the East China Sea indicates two contrasting types of weathering and sediment transport processes. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2015</b> , 16, 3034-3052	3.6	40
47	Detection of the Three Gorges Dam influence on the Changjiang (Yangtze River) submerged delta. <i>Scientific Reports</i> , <b>2014</b> , 4, 6600	4.9	144
46	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> , <b>2014</b> , 86, 244-253	6.7	6
45	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> , <b>2014</b> , 127, 62-73	3.8	12
44	A new approach to discriminate dinoflagellate from diatom blooms from space in the East China Sea. <i>Journal of Geophysical Research: Oceans</i> , <b>2014</b> , 119, 4653-4668	3.3	26
43	Insights into Submarine Geohazards from Breaks in Subsea Telecommunication Cables. <i>Oceanography</i> , <b>2014</b> , 27, 58-67	2.3	92
42	A thirteen-year record of bathymetric changes in the North Passage, Changjiang (Yangtze) estuary. <i>Geomorphology</i> , <b>2013</b> , 187, 101-107	4.3	79

41	Tracing typhoon effects on particulate transport in a submarine canyon using polycyclic aromatic hydrocarbons. <i>Marine Chemistry</i> , <b>2013</b> , 157, 1-11	3.7	12
40	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> , <b>2013</b> , 480, 10-18	6	228
39	Gravity flows associated with flood events and carbon burial: Taiwan as instructional source area. <i>Annual Review of Marine Science</i> , <b>2013</b> , 5, 47-68	15.4	57
38	Sediment trapping of turbidity maxima in the Changjiang Estuary. <i>Marine Geology</i> , <b>2012</b> , 303-306, 14-25	3.3	74
37	Records of submarine natural hazards off SW Taiwan. <i>Geological Society Special Publication</i> , <b>2012</b> , 361, 41-60	1.7	22
36	Effects of a major typhoon on sediment accumulation in Fangliao Submarine Canyon, SW Taiwan. <i>Marine Geology</i> , <b>2012</b> , 326-328, 116-130	3.3	21
35	Cyclone-induced hyperpycnal turbidity currents in a submarine canyon. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		23
34	Sediment Dynamics Observed in the Jhoushuei River and Adjacent Coastal Zone in Taiwan Strait. <i>Oceanography</i> , <b>2011</b> , 24, 122-131	2.3	5
33	Patterns of Sediment Transport Pathways on a Headland Bay Beach/Nanwan Beach, South China: A Case Study. <i>Journal of Coastal Research</i> , <b>2010</b> , 26, 1096-1103	0.6	30
32	Quantifying tidal signatures of the benthic nepheloid layer in Gaoping Submarine Canyon in Southern Taiwan. <i>Marine Geology</i> , <b>2010</b> , 271, 119-130	3.3	23
31	In-situ estimations of the density and porosity of flocs of varying sizes in a submarine canyon. <i>Marine Geology</i> , <b>2010</b> , 276, 105-109	3.3	18
30	Clay mineral distribution in surface sediments of the northeastern South China Sea and surrounding fluvial drainage basins: Source and transport. <i>Marine Geology</i> , <b>2010</b> , 277, 48-60	3.3	168
29	Polycyclic aromatic hydrocarbons in coastal sediments of southwest Taiwan: an appraisal of diagnostic ratios in source recognition. <i>Marine Pollution Bulletin</i> , <b>2009</b> , 58, 752-60	6.7	72
28	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> , <b>2009</b> , 76, 457-467	2.7	21
27	Turbulent mixing and internal tides in Gaoping (Kaoping) Submarine Canyon, Taiwan. <i>Journal of Marine Systems</i> , <b>2009</b> , 76, 383-396	2.7	59
26	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> , <b>2009</b> , 76, 496-510	2.7	5
25	Internal tidal currents in the Gaoping (Kaoping) Submarine Canyon. <i>Journal of Marine Systems</i> , <b>2009</b> , 76, 397-404	2.7	25
24	From suspended particles to strata: The fate of terrestrial substances in the Gaoping (Kaoping) submarine canyon. <i>Journal of Marine Systems</i> , <b>2009</b> , 76, 417-432	2.7	36

23	Geochemical controls on distributions and speciation of As and Hg in sediments along the Gaoping (Kaoping) Estuary-Canyon system off southwestern Taiwan. <i>Journal of Marine Systems</i> , <b>2009</b> , 76, 479-495	2.7	47
22	Partition of suspended and riverbed sediments related to the salt-wedge in the lower reaches of a small mountainous river. <i>Marine Geology</i> , <b>2009</b> , 264, 152-164	3.3	17
21	Tidal and flood signatures of settling particles in the Gaoping submarine canyon (SW Taiwan) revealed from radionuclide and flow measurements. <i>Marine Geology</i> , <b>2009</b> , 267, 8-17	3.3	30
20	Observation of internal tidal currents in the Kaoping Canyon off southwestern Taiwan. <i>Estuarine, Coastal and Shelf Science</i> , <b>2008</b> , 80, 153-160	2.9	25
19	Detrital fine-grained sediment contribution from Taiwan to the northern South China Sea and its relation to regional ocean circulation. <i>Marine Geology</i> , <b>2008</b> , 255, 149-155	3.3	153
18	Dispersion of disposed dredged slurry in the meso-tidal Changjiang (Yangtze River) Estuary. <i>Estuarine, Coastal and Shelf Science</i> , <b>2006</b> , 70, 663-672	2.9	12
17	Rectification of the heading and tilting of sediment trap arrays due to strong tidal currents in a submarine canyon. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	7
16	A submarine canyon conduit under typhoon conditions off Southern Taiwan. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2006</b> , 53, 223-240	2.5	46
15	Foraminiferal shells in sediment traps: Implications of biogenic particle transport in the Kao-ping submarine canyon, Taiwan. <i>Continental Shelf Research</i> , <b>2005</b> , 25, 2261-2272	2.4	10
14	Island-based catchment—the Taiwan example. <i>Regional Environmental Change</i> , <b>2004</b> , 4, 39-48	4.3	26
13	Sediment dynamics in a submarine canyon: a case of river-sea interaction. <i>Marine Geology</i> , <b>2004</b> , 207, 55-81	3.3	49
12	The effect of a submarine canyon on the river sediment dispersal and inner shelf sediment movements in southern Taiwan. <i>Marine Geology</i> , <b>2002</b> , 181, 357-386	3.3	70
11	Numerical modeling study of sediment dispersal by a river plume. <i>Continental Shelf Research</i> , <b>2002</b> , 22, 1745-1773	2.4	33
10	The coastal depositional system of a small mountainous river: a perspective from grain-size distributions. <i>Marine Geology</i> , <b>2000</b> , 165, 63-86	3.3	31
9	The coastal transition at the mouth of a small mountainous river in Taiwan. <i>Sedimentology</i> , <b>1998</b> , 45, 803-816	3.3	10
8	Sediment trapping and bypassing characteristics of a stable tidal inlet at Kaohsiung Harbor, Taiwan. <i>Marine Geology</i> , <b>1997</b> , 140, 367-390	3.3	9
7	Morphodynamic evolution of a newly formed tidal inlet. <i>Coastal and Estuarine Studies</i> , <b>1993</b> , 62-94		9
6	Simulation of grain-size abundances on a barred upper shoreface. <i>Marine Geology</i> , <b>1993</b> , 109, 237-251	3.3	12

5	The influence of episodic weather events on tidal residual currents: A case study at Sebastian Inlet, Florida. <i>Estuaries and Coasts</i> , <b>1992</b> , 15, 109		16
4	Shoreface dynamics: Evidence from bathymetry and surficial sediments. <i>Marine Geology</i> , <b>1990</b> , 94, 37-53	3,3	12
3	Distribution of grain sizes across a transgressive shoreface. <i>Marine Geology</i> , <b>1989</b> , 87, 121-136	3,3	33
2	Resolving bathymetric components of the upper shoreface on a wave-dominated coast. <i>Marine Geology</i> , <b>1988</b> , 82, 169-186	3,3	14
1	Land-Ocean Interaction Affected by the Monsoon Regime Change in Western Taiwan Strait. <i>Frontiers in Marine Science</i> , 8,	4,5	1