

Zhifei Liu

List of Publications by Citations

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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.

71
papers

2,947
citations

28
h-index

54
g-index

73
ext. papers

3,567
ext. citations

4.4
avg, IF

4.82
L-index

#	Paper	IF	Citations
71	Ages and magnetic structures of the South China Sea constrained by deep tow magnetic surveys and IODP Expedition 349. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 4958-4983	3.6	273
70	Source-to-sink transport processes of fluvial sediments in the South China Sea. <i>Earth-Science Reviews</i> , 2016 , 153, 238-273	10.2	227
69	Clay mineral assemblages in the northern South China Sea: implications for East Asian monsoon evolution over the past 2 million years. <i>Marine Geology</i> , 2003 , 201, 133-146	3.3	184
68	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	3.3	168
67	Climatic and tectonic controls on weathering in south China and Indochina Peninsula: Clay mineralogical and geochemical investigations from the Pearl, Red, and Mekong drainage basins. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	159
66	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	3.3	153
65	Rapid transition from continental breakup to igneous oceanic crust in the South China Sea. <i>Nature Geoscience</i> , 2018 , 11, 782-789	18.3	113
64	Erosional history of the eastern Tibetan Plateau since 190 kyr ago: clay mineralogical and geochemical investigations from the southwestern South China Sea. <i>Marine Geology</i> , 2004 , 209, 1-18	3.3	113
63	Seismic stratigraphy of the central South China Sea basin and implications for neotectonics. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 1377-1399	3.6	109
62	Chemical weathering in Luzon, Philippines from clay mineralogy and major-element geochemistry of river sediments. <i>Applied Geochemistry</i> , 2009 , 24, 2195-2205	3.5	103
61	Sediment sources and East Asian monsoon intensity over the last 450 ky. Mineralogical and geochemical investigations on South China Sea sediments. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005 , 228, 260-277	2.9	100
60	Climatic and tectonic controls on chemical weathering in tropical Southeast Asia (Malay Peninsula, Borneo, and Sumatra). <i>Chemical Geology</i> , 2012 , 291, 1-12	4.2	80
59	Late Quaternary climatic control on erosion and weathering in the eastern Tibetan Plateau and the Mekong Basin. <i>Quaternary Research</i> , 2005 , 63, 316-328	1.9	78
58	Impact of the East Asian monsoon rainfall changes on the erosion of the Mekong River basin over the past 25,000yr. <i>Marine Geology</i> , 2010 , 271, 84-92	3.3	72
57	Sedimentary responses to the Pleistocene climatic variations recorded in the South China Sea. <i>Quaternary Research</i> , 2007 , 68, 162-172	1.9	66
56	Clay minerals in surface sediments of the Pearl River drainage basin and their contribution to the South China Sea. <i>Science Bulletin</i> , 2007 , 52, 1101-1111		61
55	Mesoscale eddies transport deep-sea sediments. <i>Scientific Reports</i> , 2014 , 4, 5937	4.9	56

54	Mineralogical control on the fate of continentally derived organic matter in the ocean. <i>Science</i> , 2019 , 366, 742-745	33.3	49
53	Reconstructing precipitation changes in northeastern Africa during the Quaternary by clay mineralogical and geochemical investigations of Nile deep-sea fan sediments. <i>Quaternary Science Reviews</i> , 2012 , 57, 58-70	3.9	49
52	Climatic control of sediment transport from the Himalayas to the proximal NE Bengal Fan during the last glacial-interglacial cycle. <i>Quaternary Science Reviews</i> , 2016 , 148, 1-16	3.9	45
51	Late Quaternary clay minerals off Middle Vietnam in the western South China Sea: Implications for source analysis and East Asian monsoon evolution. <i>Science in China Series D: Earth Sciences</i> , 2007 , 50, 1674-1684		45
50	Variations of the Nile suspended discharges during the last 1.75Myr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 311, 230-241	2.9	44
49	Fluxes of clay minerals in the South China Sea. <i>Earth and Planetary Science Letters</i> , 2015 , 430, 30-42	5.3	35
48	In situ observation of contour currents in the northern South China Sea: Applications for deepwater sediment transport. <i>Earth and Planetary Science Letters</i> , 2015 , 430, 477-485	5.3	32
47	A high-resolution clay mineralogical record in the northern South China Sea since the Last Glacial Maximum, and its time series provenance analysis. <i>Science Bulletin</i> , 2010 , 55, 4058-4068		32
46	Long-term in situ observations on typhoon-triggered turbidity currents in the deep sea. <i>Geology</i> , 2018 , 46, 675-678	5	32
45	Chemical weathering in Malay Peninsula and North Borneo: Clay mineralogy and element geochemistry of river surface sediments. <i>Science China Earth Sciences</i> , 2011 , 54, 272-282	4.6	30
44	Co-evolution of monsoonal precipitation in East Asia and the tropical Pacific ENSO system since 2.36 Ma: New insights from high-resolution clay mineral records in the West Philippine Sea. <i>Earth and Planetary Science Letters</i> , 2016 , 446, 45-55	5.3	28
43	Responses of the East Asian Summer Monsoon in the Low-Latitude South China Sea to High-Latitude Millennial-Scale Climatic Changes During the Last Glaciation: Evidence From a High-Resolution Clay Mineralogical Record. <i>Paleoceanography and Paleoclimatology</i> , 2018 , 33, 745-765	3.3	22
42	Late Miocene to early Pliocene climate variability off NW Africa (ODP Site 659). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014 , 401, 81-95	2.9	21
41	Quaternary clay mineralogy in the northern South China Sea (ODP Site 1146). <i>Science in China Series D: Earth Sciences</i> , 2003 , 46, 1223-1235		21
40	Clay mineral records of East Asian monsoon evolution during late Quaternary in the southern South China Sea. <i>Science in China Series D: Earth Sciences</i> , 2005 , 48, 84-92		21
39	Hydrological variations of the intermediate water masses of the western Mediterranean Sea during the past 20 ka inferred from neodymium isotopic composition in foraminifera and cold-water corals. <i>Climate of the Past</i> , 2017 , 13, 17-37	3.9	20
38	Magnetic minerals in three Asian rivers draining into the South China Sea: Pearl, Red, and Mekong Rivers. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 1678-1693	3.6	20
37	Clay mineralogical and geochemical proxies of the East Asian summer monsoon evolution in the South China Sea during Late Quaternary. <i>Scientific Reports</i> , 2017 , 7, 42083	4.9	17

36	Perspectives on provenance and alteration of suspended and sedimentary organic matter in the subtropical Pearl River system, South China. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 259, 270-287	5.5	17
35	Neodymium isotopic composition in foraminifera and authigenic phases of the South China Sea sediments: Implications for the hydrology of the North Pacific Ocean over the past 25 kyr. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 3883-3904	3.6	17
34	Late quaternary glacial cycle and precessional period of clay mineral assemblages in the western Pacific warm pool. <i>Science Bulletin</i> , 2012 , 57, 3748-3760		16
33	Deep-water Earliest Oligocene Glacial Maximum (EOGM) in South Atlantic. <i>Science Bulletin</i> , 2004 , 49, 2190-2197		16
32	Diagenetic and Paleoenvironmental Controls on Late Cretaceous Clay Minerals in the Songliao Basin, Northeast China. <i>Clays and Clay Minerals</i> , 2015 , 63, 469-484	2.1	15
31	Terrigenous sediment input responding to sea level change and East Asian monsoon evolution since the last deglaciation in the southern South China Sea. <i>Global and Planetary Change</i> , 2019 , 174, 127-137	4.3	14
30	Correction of interstitial water changes in calibration methods applied to XRF core-scanning major elements in long sediment cores: Case study from the South China Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 1925-1934	3.6	14
29	Link between Indian monsoon rainfall and physical erosion in the Himalayan system during the Holocene. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 3452-3469	3.6	14
28	Spatiotemporal variations of deep-sea sediment components and their fluxes since the last glaciation in the northern South China Sea. <i>Science China Earth Sciences</i> , 2017 , 60, 1368-1381	4.6	14
27	Contrasting Fates of Petrogenic and Biospheric Carbon in the South China Sea. <i>Geophysical Research Letters</i> , 2018 , 45, 9077-9086	4.9	13
26	Calcium carbonate pump during Quaternary glacial cycles in the South China Sea. <i>Science Bulletin</i> , 2003 , 48, 1862-1869		12
25	Island-wide variation in provenance of riverine sedimentary organic carbon: A case study from Taiwan. <i>Earth and Planetary Science Letters</i> , 2020 , 539, 116238	5.3	10
24	Turbidite deposition in the southern South China Sea during the last glacial: Evidence from grain-size and major elements records. <i>Science Bulletin</i> , 2011 , 56, 3558-3565		10
23	Weathering and erosion in central Vietnam over the Holocene and Younger Dryas: Clay mineralogy and elemental geochemistry from the Vietnam Shelf, western South China Sea. <i>Journal of Asian Earth Sciences</i> , 2019 , 179, 1-10	2.8	7
22	Reconstructing Chemical Weathering Intensity in the Mekong River Basin Since the Last Glacial Maximum. <i>Paleoceanography and Paleoclimatology</i> , 2019 , 34, 1710-1725	3.3	7
21	Changes in Intermediate Circulation in the Bay of Bengal Since the Last Glacial Maximum as Inferred From Benthic Foraminifera Assemblages and Geochemical Proxies. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 1592-1608	3.6	6
20	High-resolution clay mineral assemblages in the inner shelf mud wedge of the East China Sea during the Holocene: Implications for the East Asian Monsoon evolution. <i>Science China Earth Sciences</i> , 2018 , 61, 1316-1329	4.6	6
19	Chemical weathering in central Vietnam from clay mineralogy and major-element geochemistry of sedimentary rocks and river sediments. <i>Heliyon</i> , 2018 , 4, e00710	3.6	6

18	Non-mantle-plume process caused the initial spreading of the South China Sea. <i>Scientific Reports</i> , 2020 , 10, 8500	4.9	6
17	Variations in eastern Mediterranean hydrology during the last climatic cycle as inferred from neodymium isotopes in foraminifera. <i>Quaternary Science Reviews</i> , 2020 , 237, 106306	3.9	5
16	Two Production Stages of Coccolithophores in Winter as Revealed by Sediment Traps in the Northern South China Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 2335-2350	3.7	4
15	Disturbed climate changes preserved in terrigenous sediments associated with anthropogenic activities during the last century in the Taiwan Strait, East Asia. <i>Marine Geology</i> , 2021 , 437, 106499	3.3	4
14	Temporal and spatial evolution of a deep-reaching anticyclonic eddy in the South China Sea. <i>Science China Earth Sciences</i> , 2019 , 62, 1002-1023	4.6	2
13	Pitfalls of acid leaching method for determining organic and inorganic carbon contents in marine sediments. <i>Acta Oceanologica Sinica</i> , 2020 , 39, 96-102	1	2
12	Terrigenous sediment variations in the western South China Sea and their implications to East Asian monsoon evolution during the last glacial-interglacial cycle. <i>Quaternary International</i> , 2021 , 580, 1-10	2	2
11	Paleoclimatic and paleoenvironmental reconstruction at Tarfaya Atlantic coastal basin (Morocco) based on clay mineral records from Upper Cretaceous to Quaternary. <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1	1.8	2
10	Seasonal variability of tides in the deep northern South China Sea. <i>Science China Earth Sciences</i> , 2019 , 62, 671-683	4.6	1
9	Observations of marine snow and fecal pellets in a sediment trap mooring in the northern South China Sea. <i>Acta Oceanologica Sinica</i> , 2020 , 39, 141-147	1	1
8	Variations of fluvial patterns and infilling history of a paleo-incised valley system during Late Pleistocene to Holocene, Offshore Pahang River, Peninsular Malaysia. <i>Interpretation</i> , 2018 , 6, T39-T50	1.4	1
7	East Asian monsoon and sea-level controls on clay mineral variations in the southern South China Sea since the Last Glacial Maximum. <i>Quaternary International</i> , 2021 , 592, 1-11	2	1
6	Proposing a classic clay mineral proxy for quantifying kerogen reburial in the geologic past. <i>Applied Clay Science</i> , 2021 , 211, 106190	5.2	1
5	Changes in the Intermediate Water Masses of the Mediterranean Sea During the Last Climatic Cycle: New Constraints From Neodymium Isotopes in Foraminifera. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA004153	3.3	0
4	Organic Matter Compositions and Loadings in River Sediments From Humid Tropical Volcanic Luzon Island of the Philippines. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG006192	3.7	0
3	East Asian paleoclimate change in the Weihe Basin (central China) since the middle Eocene revealed by clay mineral analysis. <i>Science China Earth Sciences</i> , 2021 , 64, 1285-1304	4.6	0
2	Multi-proxy reconstructions of productivity on the continental slope off the Mekong River in the southern South China Sea over the past 30,000 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022 , 597, 111005	2.9	0
1	Clay mineral assemblages of the oceanic red beds in the northern South China Sea and their responses to the Middle Miocene Climate Transition. <i>Science China Earth Sciences</i> , 1	4.6	

