Zhifei Liu

List of Publications by Year
in descending order

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71 papers	4,150 citations	172207 29 h-index	114278 63 g-index
73 all docs	73 docs citations	73 times ranked	2625 citing authors

#	Article	IF	Citations
1	Ages and magnetic structures of the South China Sea constrained by deep tow magnetic surveys and IODP Expedition 349. Geochemistry, Geophysics, Geosystems, 2014, 15, 4958-4983.	1.0	419
2	Source-to-sink transport processes of fluvial sediments in the South China Sea. Earth-Science Reviews, 2016, 153, 238-273.	4.0	351
3	Clay mineral distribution in surface sediments of the northeastern South China Sea and surrounding fluvial drainage basins: Source and transport. Marine Geology, 2010, 277, 48-60.	0.9	229
4	Clay mineral assemblages in the northern South China Sea: implications for East Asian monsoon evolution over the past 2 million years. Marine Geology, 2003, 201, 133-146.	0.9	221
5	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. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	1.0	216
6	Detrital fine-grained sediment contribution from Taiwan to the northern South China Sea and its relation to regional ocean circulation. Marine Geology, 2008, 255, 149-155.	0.9	194
7	Rapid transition from continental breakup to igneous oceanic crust in the South China Sea. Nature Geoscience, 2018, 11, 782-789.	5.4	183
8	Seismic stratigraphy of the central South China Sea basin and implications for neotectonics. Journal of Geophysical Research: Solid Earth, 2015, 120, 1377-1399.	1.4	155
9	Chemical weathering in Luzon, Philippines from clay mineralogy and major-element geochemistry of river sediments. Applied Geochemistry, 2009, 24, 2195-2205.	1.4	141
10	Erosional history of the eastern Tibetan Plateau since 190 kyr ago: clay mineralogical and geochemical investigations from the southwestern South China Sea. Marine Geology, 2004, 209, 1-18.	0.9	135
11	Sediment sources and East Asian monsoon intensity over the last 450 ky. Mineralogical and geochemical investigations on South China Sea sediments. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 228, 260-277.	1.0	129
12	Climatic and tectonic controls on chemical weathering in tropical Southeast Asia (Malay Peninsula,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	110
13	Mineralogical control on the fate of continentally derived organic matter in the ocean. Science, 2019, 366, 742-745.	6.0	104
14	Late Quaternary climatic control on erosion and weathering in the eastern Tibetan Plateau and the Mekong Basin. Quaternary Research, 2005, 63, 316-328.	1.0	91
15	Impact of the East Asian monsoon rainfall changes on the erosion of the Mekong River basin over the past 25,000yr. Marine Geology, 2010, 271, 84-92.	0.9	88
16	Sedimentary responses to the Pleistocene climatic variations recorded in the South China Sea. Quaternary Research, 2007, 68, 162-172.	1.0	81
17	Mesoscale eddies transport deep-sea sediments. Scientific Reports, 2014, 4, 5937.	1.6	76
18	Clay minerals in surface sediments of the Pearl River drainage basin and their contribution to the South China Sea. Science Bulletin, 2007, 52, 1101-1111.	1.7	73

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19	Long-term in situ observations on typhoon-triggered turbidity currents in the deep sea. Geology, 2018, 46, 675-678.	2.0	68
20	Climatic control of sediment transport from the Himalayas to the proximal NE Bengal Fan during the last glacial-interglacial cycle. Quaternary Science Reviews, 2016, 148, 1-16.	1.4	67
21	Late Quaternary clay minerals off Middle Vietnam in the western South China Sea: Implications for source analysis and East Asian monsoon evolution. Science in China Series D: Earth Sciences, 2007, 50, 1674-1684.	0.9	54
22	Reconstructing precipitation changes in northeastern Africa during the Quaternary by clay mineralogical and geochemical investigations of Nile deep-sea fan sediments. Quaternary Science Reviews, 2012, 57, 58-70.	1.4	54
23	In situ observation of contour currents in the northern South China Sea: Applications for deepwater sediment transport. Earth and Planetary Science Letters, 2015, 430, 477-485.	1.8	50
24	Variations of the Nile suspended discharges during the last 1.75Myr. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 311, 230-241.	1.0	49
25	Fluxes of clay minerals in the South China Sea. Earth and Planetary Science Letters, 2015, 430, 30-42.	1.8	46
26	A high-resolution clay mineralogical record in the northern South China Sea since the Last Glacial Maximum, and its time series provenance analysis. Science Bulletin, 2010, 55, 4058-4068.	1.7	43
27	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. Earth and Planetary Science Letters, 2016, 446, 45-55.	1.8	40
28	Chemical weathering in Malay Peninsula and North Borneo: Clay mineralogy and element geochemistry of river surface sediments. Science China Earth Sciences, 2011, 54, 272-282.	2.3	35
29	Responses of the East Asian Summer Monsoon in the Lowâ€Latitude South China Sea to Highâ€Latitude Millennialâ€Scale Climatic Changes During the Last Glaciation: Evidence From a Highâ€Resolution Clay Mineralogical Record. Paleoceanography and Paleoclimatology, 2018, 33, 745-765.	1.3	35
30	Terrigenous sediment input responding to sea level change and East Asian monsoon evolution since the last deglaciation in the southern South China Sea. Global and Planetary Change, 2019, 174, 127-137.	1.6	31
31	Perspectives on provenance and alteration of suspended and sedimentary organic matter in the subtropical Pearl River system, South China. Geochimica Et Cosmochimica Acta, 2019, 259, 270-287.	1.6	29
32	Clay mineralogical and geochemical proxies of the East Asian summer monsoon evolution in the South China Sea during Late Quaternary. Scientific Reports, 2017, 7, 42083.	1.6	27
33	Hydrological variations of the intermediate water masses of the western Mediterranean Sea during the past 20â€ka inferred from neodymium isotopic composition in foraminifera and cold-water corals. Climate of the Past, 2017, 13, 17-37.	1.3	27
34	Quaternary clay mineralogy in the northern South China Sea (ODP Site 1146). Science in China Series D: Earth Sciences, 2003, 46, 1223-1235.	0.9	26
35	Contrasting Fates of Petrogenic and Biospheric Carbon in the South China Sea. Geophysical Research Letters, 2018, 45, 9077-9086.	1.5	26
36	Magnetic minerals in three Asian rivers draining into the South China Sea: Pearl, Red, and Mekong Rivers. Geochemistry, Geophysics, Geosystems, 2016, 17, 1678-1693.	1.0	25

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37	Clay mineral records of East Asian monsoon evolution during late Quaternary in the southern South China Sea. Science in China Series D: Earth Sciences, 2005, 48, 84-92.	0.9	24
38	Late Miocene to early Pliocene climate variability off NW Africa (ODP Site 659). Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 401, 81-95.	1.0	24
39	Neodymium isotopic composition in foraminifera and authigenic phases of the South China Sea sediments: Implications for the hydrology of the <scp>N</scp>orth <scp>P</scp>acific <scp>O</scp>cean over the past 25 kyr. Geochemistry, Geophysics, Geosystems, 2015, 16, 3883-3904.	1.0	23
40	Link between <scp>I</scp>ndian monsoon rainfall and physical erosion in the <scp>H</scp>imalayan system during the <scp>H</scp>olocene. Geochemistry, Geophysics, Geosystems, 2017, 18, 3452-3469.	1.0	23
41	Spatiotemporal variations of deep-sea sediment components and their fluxes since the last glaciation in the northern South China Sea. Science China Earth Sciences, 2017, 60, 1368-1381.	2.3	21
42	Deep-water Earliest Oligocene Glacial Maximum (EOGM) in South Atlantic. Science Bulletin, 2004, 49, 2190-2197.	1.7	20
43	Island-wide variation in provenance of riverine sedimentary organic carbon: A case study from Taiwan. Earth and Planetary Science Letters, 2020, 539, 116238.	1.8	20
44	Turbidite deposition in the southern South China Sea during the last glacial: Evidence from grain-size and major elements records. Science Bulletin, 2011, 56, 3558-3565.	1.7	19
45	Late quaternary glacial cycle and precessional period of clay mineral assemblages in the western pacific warm pool. Science Bulletin, 2012, 57, 3748-3760.	1.7	18
46	Diagenetic and Paleoenvironmental Controls on Late Cretaceous Clay Minerals in the Songliao Basin, Northeast China. Clays and Clay Minerals, 2015, 63, 469-484.	0.6	18
47	Changes in Intermediate Circulation in the Bay of Bengal Since the Last Glacial Maximum as Inferred From Benthic Foraminifera Assemblages and Geochemical Proxies. Geochemistry, Geophysics, Geosystems, 2019, 20, 1592-1608.	1.0	17
48	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. Geochemistry, Geophysics, Geosystems, 2016, 17, 1925-1934.	1.0	16
49	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. Journal of Asian Earth Sciences, 2019, 179, 1-10.	1.0	16
50	Reconstructing Chemical Weathering Intensity in the Mekong River Basin Since the Last Glacial Maximum. Paleoceanography and Paleoclimatology, 2019, 34, 1710-1725.	1.3	15
51	Calcium carbonate pump during Quaternary glacial cycles in the South China Sea. Science Bulletin, 2003, 48, 1862-1869.	1.7	14
52	Variations in eastern Mediterranean hydrology during the last climatic cycle as inferred from neodymium isotopes in foraminifera. Quaternary Science Reviews, 2020, 237, 106306.	1.4	12
53	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. Science China Earth Sciences, 2018, 61, 1316-1329.	2.3	10
54	Chemical weathering in central Vietnam from clay mineralogy and major-element geochemistry of sedimentary rocks and river sediments. Heliyon, 2018, 4, e00710.	1.4	10

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55	Non-mantle-plume process caused the initial spreading of the South China Sea. Scientific Reports, 2020, 10, 8500.	1.6	9
56	Disturbed climate changes preserved in terrigenous sediments associated with anthropogenic activities during the last century in the Taiwan Strait, East Asia. Marine Geology, 2021, 437, 106499.	0.9	8
57	Changes in the Intermediate Water Masses of the Mediterranean Sea During the Last Climatic Cycleâ€"New Constraints From Neodymium Isotopes in Foraminifera. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004153.	1.3	7
58	East Asian paleoclimate change in the Weihe Basin (central China) since the middle Eocene revealed by clay mineral analysis. Science China Earth Sciences, 2021, 64, 1285-1304.	2.3	7
59	Two Production Stages of Coccolithophores in Winter as Revealed by Sediment Traps in the Northern South China Sea. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2335-2350.	1.3	6
60	East Asian monsoon and sea-level controls on clay mineral variations in the southern South China Sea since the Last Glacial Maximum. Quaternary International, 2021, 592, 1-11.	0.7	6
61	Seasonal variability of tides in the deep northern South China Sea. Science China Earth Sciences, 2019, 62, 671-683.	2.3	5
62	Terrigenous sediment variations in the western South China Sea and their implications to East Asian monsoon evolution during the last glacial-interglacial cycle. Quaternary International, 2021, 580, 1-10.	0.7	5
63	Organic Matter Compositions and Loadings in River Sediments From Humid Tropical Volcanic Luzon Island of the Philippines. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006192.	1.3	5
64	Observations of marine snow and fecal pellets in a sediment trap mooring in the northern South China Sea. Acta Oceanologica Sinica, 2020, 39, 141-147.	0.4	4
65	Temporal and spatial evolution of a deep-reaching anticyclonic eddy in the South China Sea. Science China Earth Sciences, 2019, 62, 1002-1023.	2.3	3
66	Paleoclimatic and paleoenvironmental reconstruction at Tarfaya Atlantic coastal basin (Morocco) based on clay mineral records from Upper Cretaceous to Quaternary. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	3
67	Pitfalls of acid leaching method for determining organic and inorganic carbon contents in marine sediments. Acta Oceanologica Sinica, 2020, 39, 96-102.	0.4	2
68	Variations of fluvial patterns and infilling history of a paleoincised valley system during Late Pleistocene to Holocene, Offshore Pahang River, Peninsular Malaysia. Interpretation, 2018, 6, T39-T50.	0.5	1
69	Proposing a classic clay mineral proxy for quantifying kerogen reburial in the geologic past. Applied Clay Science, 2021, 211, 106190.	2.6	1
70	Clay mineral assemblages of the oceanic red beds in the northern South China Sea and their responses to the Middle Miocene Climate Transition. Science China Earth Sciences, 2022, 65, 899-909.	2.3	1
71	Multi-proxy reconstructions of productivity on the continental slope off the Mekong River in the southern South China Sea over the past 30,000Âyears. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 597, 111005.	1.0	1