Zhaokai Xu

List of Publications by Year
in descending order

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45	879	430754	501076
papers	citations	18	28
		h-index	g-index

45	45	45	819
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rare earth elements in bottom sediments of major rivers around the Yellow Sea: implications for sediment provenance. Geo-Marine Letters, 2009, 29, 291-300.	0.5	76
2	Clay-sized sediment provenance change in the northern Okinawa Trough since 22kyrBP and its paleoenvironmental implication. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 399, 236-245.	1.0	53
3	Quantitative estimates of Asian dust input to the western Philippine Sea in the midâ€late Quaternary and its potential significance for paleoenvironment. Geochemistry, Geophysics, Geosystems, 2015, 16, 3182-3196.	1.0	50
4	Asian dust input in the western Philippine Sea: Evidence from radiogenic Sr and Nd isotopes. Geochemistry, Geophysics, Geosystems, 2013, 14, 1538-1551.	1.0	45
5	New evidence for Kuroshio inflow and deepwater circulation in the Okinawa Trough, East China Sea: Sedimentary mercury variations over the last 20Âkyr. Paleoceanography, 2017, 32, 571-579.	3.0	44
6	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
7	Srâ€“Nd isotopic constraints on detrital sediment provenance and paleoenvironmental change in the northern Okinawa Trough during the late Quaternary. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 430, 74-84.	1.0	39
8	Holocene changes in detrital sediment supply to the eastern part of the central Yellow Sea and their forcing mechanisms. Journal of Asian Earth Sciences, 2015, 105, 18-31.	1.0	39
9	Sea level-controlled sediment transport to the eastern Arabian Sea over the past 600 kyr: Clay minerals and Sr Nd isotopic evidence from IODP site U1457. Quaternary Science Reviews, 2019, 205, 22-34.	1.4	34
10	Paleoceanographic changes in the Ulleung Basin, East (Japan) Sea, during the last 20,000years: Evidence from variations in element composition of core sediments. Progress in Oceanography, 2011, 88, 101-115.	1.5	30
11	Distinct control mechanism of fineâ€grained sediments from <scp>Y</scp>ellow <scp>R</scp>iver and <scp>K</scp>yushu supply in the northern <scp>O</scp>kinawa <scp>T</scp>rough since the last glacial. Geochemistry, Geophysics, Geosystems, 2017, 18, 2949-2969.	1.0	30
12	Seasonal variations in dissolved neodymium isotope composition in the Bay of Bengal. Earth and Planetary Science Letters, 2017, 479, 310-321.	1.8	26
13	Bathyal records of enhanced silicate erosion and weathering on the exposed Luzon shelf during glacial lowstands and their significance for atmospheric CO2 sink. Chemical Geology, 2018, 476, 302-315.	1.4	25
14	Discrimination of sediment provenance in the Yellow Sea: Secondary grain-size effect and REE proxy. Journal of Asian Earth Sciences, 2016, 123, 78-84.	1.0	24
15	Evidence for sea level and monsoonally driven variations in terrigenous input to the northern East China Sea during the last 24.3â€‰ka. Paleoceanography, 2015, 30, 642-658.	3.0	23
16	Orbital-scale evolution of the Indian summer monsoon since 1.2â€¯Ma: Evidence from clay mineral records at IODP Expedition 355 Site U1456 in the eastern Arabian Sea. Journal of Asian Earth Sciences, 2019, 174, 11-22.	1.0	21
17	Geochemical character and material source of sediments in the eastern Philippine Sea. Science Bulletin, 2008, 53, 923-931.	4.3	20
18	Sedimentary mercury (Hg) in the marginal seas adjacent to Chinese high-Hg emissions: Source-to-sink, mass inventory, and accumulation history. Marine Pollution Bulletin, 2018, 128, 428-437.	2.3	20

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19	Quantitative compensation of grain-size effects in elemental concentration: A Korean coastal sediments case study. Estuarine, Coastal and Shelf Science, 2014, 151, 69-77.	0.9	19
20	REEs and Sr-Nd isotope variations in a 20 ky-sediment core from the middle Okinawa Trough, East China Sea: An in-depth provenance analysis of siliciclastic components. Marine Geology, 2019, 415, 105970.	0.9	16
21	Elemental and Srâ€“Nd isotopic compositional disparity of riverine sediments around the Yellow Sea: Constraints from grain-size and chemical partitioning. Applied Geochemistry, 2015, 63, 272-281.	1.4	15
22	Long-term history of sediment inputs to the eastern Arabian Sea and its implications for the evolution of the Indian summer monsoon since 3.7 Ma. Geological Magazine, 2020, 157, 908-919.	0.9	15
23	Geochemical Records of the Provenance and Silicate Weathering/Erosion From the Eastern Arabian Sea and Their Responses to the Indian Summer Monsoon Since the Midâ€Pleistocene. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003732.	1.3	15
24	Late Holocene (~ 2 ka) East Asian Monsoon variations inferred from river discharge and climate interrelationships in the Pearl River Estuary. Quaternary Research, 2014, 81, 240-250.	1.0	14
25	Depositional History and Indian Summer Monsoon Controls on the Silicate Weathering of Sediment Transported to the Eastern Arabian Sea: Geochemical Records From IODP Site U1456 Since 3.8 Ma. Geochemistry, Geophysics, Geosystems, 2019, 20, 4336-4353.	1.0	14
26	Yttrium and rare earth element partitioning in seawaters from the <scp>B</scp>ay of <scp>B</scp>engal. Geochemistry, Geophysics, Geosystems, 2017, 18, 1388-1403.	1.0	13
27	Enhanced terrigenous organic matter input and productivity on the western margin of the Western Pacific Warm Pool during the Quaternary sea-level lowstands: Forcing mechanisms and implications for the global carbon cycle. Quaternary Science Reviews, 2020, 232, 106211.	1.4	13
28	ENSOâ€Like Modulated Tropical Pacific Climate Changes Since 2.36 Myr and Its Implication for the Middle Pleistocene Transition. Geochemistry, Geophysics, Geosystems, 2018, 19, 415-426.	1.0	12
29	Response of the northwestern Pacific upper water Î´13C to the last deglacial ventilation of the deep Southern Ocean. Science Bulletin, 2011, 56, 2628-2634.	1.7	10
30	Paleoenvironmental changes in the northern Okinawa trough since 25 ka BP: REE and organic carbon evidence. Journal of Earth Science (Wuhan, China), 2012, 23, 297-310.	1.1	10
31	Phased evolution and variation of the South Asian monsoon, and resulting weathering and surface erosion in the Himalayaâ€“Karakoram Mountains, since late Pliocene time using data from Arabian Sea core. Geological Magazine, 2020, 157, 864-878.	0.9	9
32	Geochemistry of rare earth elements in the mid-late Quaternary sediments of the western Philippine Sea and their paleoenvironmental significance. Science China Earth Sciences, 2014, 57, 802-812.	2.3	8
33	Seasonal Variations in the Siliciclastic Fluxes to the Western Philippine Sea and Their Impacts on Seawater Îµ_{Nd} Values Inferred From 1ÂYear of In Situ Observations Above Benham Rise. Journal of Geophysical Research: Oceans, 2018, 123, 6688-6702.	1.0	7
34	Enhancements of Himalayan and Tibetan Erosion and the Produced Organic Carbon Burial in Distal Tropical Marginal Seas During the Quaternary Glacial Periods: An Integration of Sedimentary Records. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005828.	1.0	7
35	Sediment provenance and evolution of the East Asian winter monsoon since 700 ka recorded by major elements in the West Philippine Sea. Science Bulletin, 2013, 58, 1044-1052.	1.7	6
36	Secondary grain-size effects on Li and Cs concentrations and appropriate normalization procedures for coastal sediments. Estuarine, Coastal and Shelf Science, 2016, 175, 57-61.	0.9	6

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37	Sea-level, monsoonal, and anthropogenic impacts on the millennial-scale variability of siliciclastic sediment input into the western Philippine sea since 27â€¯ka. Journal of Asian Earth Sciences, 2019, 177, 250-262.	1.0	6
38	Comment on â€œSrâ€Nd isotope composition and clay mineral assemblages in Eolian dust from the central Philippine Sea over the last 600â€‰kyr: Implications for the transport mechanism of Asian dustâ€•by Seo et al.. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,137.	1.2	5
39	Sources and origins of eolian dust to the Philippine Sea determined by major minerals and elemental geochemistry. Geological Magazine, 2020, 157, 719-728.	0.9	4
40	First Record of Oceanic Anoxic Event 1d at Southern High Latitudes: Sedimentary and Geochemical Evidence From International Ocean Discovery Program Expedition 369. Geophysical Research Letters, 2022, 49, .	1.5	4
41	Paleoenvironment evolution of the East Philippine Sea recorded in the new-type ferromanganese crust since the terminal Late Miocene. Science in China Series D: Earth Sciences, 2007, 50, 1179-1188.	0.9	3
42	REE fractionation and quantification of sediment source in the Yellow Sea mud deposits, Î•ast Î‘sian marginal sea. Continental Shelf Research, 2021, 217, 104374.	0.9	3
43	TURBIDITE DEPOSITION RECORD AND ITS MECHANISM SINCE 150 KABP IN WESTERN PHILIPPINE SEA. Marine Geology & Quaternary Geology, 2013, 32, 157-163.	0.1	3
44	Climate and sea level forcing of terrigenous sediments input to the eastern Arabian Sea since the last glacial period. Marine Geology, 2022, 450, 106860.	0.9	2
45	Climate evolution of southwest Australia in the Miocene and its main controlling factors. Science China Earth Sciences, 2022, 65, 1104-1115.	2.3	1