

Weiguo Zhang

List of Publications by Year in descending order

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53
papers

2,222
citations

304743

22
h-index

223800

46
g-index

55
all docs

55
docs citations

55
times ranked

2346
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal contamination in surface sediments of Yangtze River intertidal zone: An assessment from different indexes. <i>Environmental Pollution</i> , 2009, 157, 1533-1543.	7.5	513
2	A preliminary study of heavy metal contamination in Yangtze River intertidal zone due to urbanization. <i>Marine Pollution Bulletin</i> , 2004, 49, 910-915.	5.0	299
3	Extending the timescale and range of ecosystem services through paleoenvironmental analyses, exemplified in the lower Yangtze basin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1111-20.	7.1	163
4	Magnetic properties and geochemistry of the Xiashu Loess in the present subtropical area of China, and their implications for pedogenic intensity. <i>Earth and Planetary Science Letters</i> , 2007, 260, 86-97.	4.4	81
5	Assessment of heavy metal pollution in Red River surface sediments, Vietnam. <i>Marine Pollution Bulletin</i> , 2016, 113, 513-519.	5.0	75
6	Magnetic approach to normalizing heavy metal concentrations for particle size effects in intertidal sediments in the Yangtze Estuary, China. <i>Environmental Pollution</i> , 2007, 147, 238-244.	7.5	70
7	Sedimentation rates in relation to sedimentary processes of the Yangtze Estuary, China. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 71, 37-46.	2.1	59
8	A magnetic record of heavy metal pollution in the Yangtze River subaqueous delta. <i>Science of the Total Environment</i> , 2014, 476-477, 368-377.	8.0	57
9	Distinguishing sediments from the Yangtze and Yellow Rivers, China: a mineral magnetic approach. <i>Holocene</i> , 2008, 18, 1139-1145.	1.7	55
10	Lead (Pb) isotopes as a tracer of Pb origin in Yangtze River intertidal zone. <i>Chemical Geology</i> , 2008, 257, 257-263.	3.3	53
11	East Asian summer monsoon intensity inferred from iron oxide mineralogy in the Xiashu Loess in southern China. <i>Quaternary Science Reviews</i> , 2009, 28, 345-353.	3.0	50
12	Magnetic properties of East China Sea shelf sediments off the Yangtze Estuary: Influence of provenance and particle size. <i>Geomorphology</i> , 2010, 119, 212-220.	2.6	48
13	Magnetic and geochemical evidence of Yellow and Yangtze River influence on tidal flat deposits in northern Jiangsu Plain, China. <i>Marine Geology</i> , 2012, 319-322, 47-56.	2.1	44
14	The chronology of a sediment core from incised valley of the Yangtze River delta: Comparative OSL and AMS 14 C dating. <i>Marine Geology</i> , 2018, 395, 320-330.	2.1	42
15	Optical dating of Holocene sediments from the Yangtze River (Changjiang) Delta, China. <i>Quaternary International</i> , 2018, 467, 251-263.	1.5	37
16	Magnetic and geochemical characterization of iron pollution in subway dusts in Shanghai, China. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	30
17	Magnetic mineral diagenesis in the river-dominated inner shelf of the East China Sea, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 4720-4733.	3.4	30
18	Magnetic properties of sediments of the <sc>R</sc>ed <sc>R</sc>iver: Effect of sorting on the source-to-sink pathway and its implications for environmental reconstruction. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 270-281.	2.5	29

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19	Magnetic properties of tidal flat sediments of the Yangtze Estuary and its relationship with particle size. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 954-966.	0.9	28
20	Multiple dating approaches applied to the recent sediments in the Yangtze River (Changjiang) subaqueous delta. <i>Holocene</i> , 2018, 28, 858-866.	1.7	28
21	Luminescence characteristics of quartz from Holocene delta deposits of the Yangtze River and their provenance implications. <i>Quaternary Geochronology</i> , 2019, 49, 131-137.	1.4	26
22	Magnetic properties of coastal loess on the Midao islands, northern China: Implications for provenance and weathering intensity. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 333-334, 160-167.	2.3	25
23	Inter-comparison of optically stimulated luminescence (OSL) ages between different fractions of Holocene deposits from the Yangtze delta and its environmental implications. <i>Marine Geology</i> , 2021, 432, 106401.	2.1	23
24	Magnetic evidence for Yellow River sediment in the late Holocene deposit of the Yangtze River Delta, China. <i>Marine Geology</i> , 2020, 427, 106274.	2.1	20
25	Comparing the Yangtze and Mississippi River Deltas in the light of coupled natural-human dynamics: Lessons learned and implications for management. <i>Geomorphology</i> , 2022, 399, 108075.	2.6	20
26	Magnetic properties of sediments from major rivers, aeolian dust, loess soil and desert in China. <i>Journal of Asian Earth Sciences</i> , 2012, 45, 190-200.	2.3	19
27	Refining the late-Holocene coastline and delta development of the northern Yangtze River delta: Combining historical archives and OSL dating. <i>Holocene</i> , 2019, 29, 1439-1449.	1.7	19
28	Greigite as an Indicator for Salinity and Sedimentation Rate Change: Evidence From the Yangtze River Delta, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021085.	3.4	19
29	Fingerprinting Sediment Transport in River-Dominated Margins Using Combined Mineral Magnetic and Radionuclide Methods. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5360-5374.	2.6	18
30	Estimation of soil surface water contents for intertidal mudflats using a near-infrared long-range terrestrial laser scanner. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 159, 129-139.	11.1	18
31	Magnetic fingerprinting of hydrodynamic variations and channel erosion across the turbidity maximum zone of the Yangtze Estuary, China. <i>Geomorphology</i> , 2014, 226, 300-311.	2.6	17
32	Tracing Sediment Erosion in the Yangtze River Subaqueous Delta Using Magnetic Methods. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 2064-2078.	2.8	17
33	Yellow River's Contribution to the Building of Yangtze Delta During the Last 500 Years – Evidence From Detrital Zircon U–Pb Geochronology. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091896.	4.0	17
34	Leaf and Wood Separation for Individual Trees Using the Intensity and Density Data of Terrestrial Laser Scanners. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 7038-7050.	6.3	17
35	Changjiang Delta in the Anthropocene: Multi-scale hydro-morphodynamics and management challenges. <i>Earth-Science Reviews</i> , 2021, 223, 103850.	9.1	16
36	Rock magnetic properties and paleoenvironmental implications of an 8-Ma Late Cenozoic terrigenous succession from the northern Tian Shan foreland basin, northwestern China. <i>Global and Planetary Change</i> , 2013, 111, 43-56.	3.5	15

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37	Late Quaternary loess deposition in the southern Chaiwopu Basin of the northern Chinese Tian Shan foreland and its palaeoclimatic implications. <i>Boreas</i> , 2016, 45, 304-321.	2.4	15
38	Magnetic and diffuse reflectance spectroscopic characterization of iron oxides in the tidal flat sequence from the coastal plain of Jiangsu Province, China. <i>Geophysical Journal International</i> , 2014, 196, 175-188.	2.4	14
39	Influence of provenance and hydrodynamic sorting on the magnetic properties and geochemistry of sediments of the Oujiang River, China. <i>Marine Geology</i> , 2017, 387, 1-11.	2.1	14
40	Recent Applications of Mineral Magnetic Methods in Sediment Pollution Studies: a Review. <i>Current Pollution Reports</i> , 2018, 4, 1-7.	6.6	13
41	Intensity Data Correction for Long-Range Terrestrial Laser Scanners: A Case Study of Target Differentiation in an Intertidal Zone. <i>Remote Sensing</i> , 2019, 11, 331.	4.0	11
42	Combined chronological and mineral magnetic approaches to reveal age variations and stratigraphic heterogeneity in the Yangtze River subaqueous delta. <i>Geomorphology</i> , 2020, 359, 107163.	2.6	10
43	Formation of greigite (Fe ₃ S ₄) in the sediments of saline lake Lop Nur, northwest China, and its implications for paleo-environmental change during the last 8400 years. <i>Journal of Asian Earth Sciences</i> , 2019, 174, 99-108.	2.3	9
44	Discriminating Forest Leaf and Wood Components in TLS Point Clouds at Single-Scan Level Using Derived Geometric Quantities. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	6.3	8
45	Magnetic properties of sediments from the Pangani River Basin, Tanzania: Influence of lithology and particle size. <i>Journal of Applied Geophysics</i> , 2017, 143, 42-49.	2.1	7
46	Luminescence dating of the late Quaternary sediments in Hangzhou Bay, China. <i>Quaternary Geochronology</i> , 2022, , 101302.	1.4	6
47	A 600 years sediment record of heavy metal pollution history in the Danube Delta. <i>Science of the Total Environment</i> , 2022, 823, 153702.	8.0	5
48	Magnetic normalization of particle size effects in a heavy metal pollution study of intertidal sediments from the Yangtze Estuary. <i>Science in China Series B: Chemistry</i> , 2001, 44, 185-189.	0.8	4
49	Characteristics of iron-containing magnetic particles in household dust from an urban area: A case study in the megacity of Shanghai. <i>Journal of Hazardous Materials</i> , 2022, 424, 127212.	12.4	4
50	Relationships Between Iron Oxides and Magnetic Properties in Intertidal Sediments of the Yangtze Estuary, China. <i>Chinese Journal of Geophysics</i> , 2003, 46, 100-109.	0.2	3
51	Particle-size dependent magnetic property variations in the Yangtze delta sediments of late Holocene: Effects of pedogenesis and diagenesis. <i>Catena</i> , 2022, 209, 105832.	5.0	1
52	Testing the applicability of standardised growth curves (SGCs) for OSL signals of quartz grains from the Yangtze Delta, China. <i>Quaternary Geochronology</i> , 2022, 72, 101348.	1.4	1
53	Spatial heterogeneity of land use along the coast of the Yangtze River Delta and implications for exposure assessment to erosion hazard. <i>Anthropocene Coasts</i> , 2022, 5, .	1.5	0