Weiguo Zhang

List of Publications by Year in descending order

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53	2,222	304743	223800
papers	citations	22 h-index	46 g-index

55	55	55	2346
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characteristics of iron-containing magnetic particles in household dust from an urban area: A case study in the megacity of Shanghai. Journal of Hazardous Materials, 2022, 424, 127212.	12.4	4
2	Discriminating Forest Leaf and Wood Components in TLS Point Clouds at Single-Scan Level Using Derived Geometric Quantities. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	8
3	Particle-size dependent magnetic property variations in the Yangtze delta sediments of late Holocene: Effects of pedogenesis and diagenesis. Catena, 2022, 209, 105832.	5.0	1
4	Comparing the Yangtze and Mississippi River Deltas in the light of coupled natural-human dynamics: Lessons learned and implications for management. Geomorphology, 2022, 399, 108075.	2.6	20
5	A 600 years sediment record of heavy metal pollution history in the Danube Delta. Science of the Total Environment, 2022, 823, 153702.	8.0	5
6	Luminescence dating of the late Quaternary sediments in Hangzhou Bay, China. Quaternary Geochronology, 2022, , 101302.	1.4	6
7	Spatial heterogeneity of land use along the coast of the Yangtze River Delta and implications for exposure assessment to erosion hazard. Anthropocene Coasts, 2022, 5, .	1.5	0
8	Testing the applicability of standardised growth curves (SGCs) for OSL signals of quartz grains from the Yangtze Delta, China. Quaternary Geochronology, 2022, 72, 101348.	1.4	1
9	Inter-comparison of optically stimulated luminescence (OSL) ages between different fractions of Holocene deposits from the Yangtze delta and its environmental implications. Marine Geology, 2021, 432, 106401.	2.1	23
10	Greigite as an Indicator for Salinity and Sedimentation Rate Change: Evidence From the Yangtze River Delta, China. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021085.	3.4	19
11	Yellow River's Contribution to the Building of Yangtze Delta During the Last 500ÂYears â€•Evidence From Detrital Zircon Uâ€Pb Geochronology. Geophysical Research Letters, 2021, 48, e2020GL091896.	4.0	17
12	Leaf and Wood Separation for Individual Trees Using the Intensity and Density Data of Terrestrial Laser Scanners. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7038-7050.	6.3	17
13	Changjiang Delta in the Anthropocene: Multi-scale hydro-morphodynamics and management challenges. Earth-Science Reviews, 2021, 223, 103850.	9.1	16
14	Estimation of soil surface water contents for intertidal mudflats using a near-infrared long-range terrestrial laser scanner. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 159, 129-139.	11.1	18
15	Combined chronological and mineral magnetic approaches to reveal age variations and stratigraphic heterogeneity in the Yangtze River subaqueous delta. Geomorphology, 2020, 359, 107163.	2.6	10
16	Magnetic evidence for Yellow River sediment in the late Holocene deposit of the Yangtze River Delta, China. Marine Geology, 2020, 427, 106274.	2.1	20
17	Luminescence characteristics of quartz from Holocene delta deposits of the Yangtze River and their provenance implications. Quaternary Geochronology, 2019, 49, 131-137.	1.4	26
18	Refining the late-Holocene coastline and delta development of the northern Yangtze River delta: Combining historical archives and OSL dating. Holocene, 2019, 29, 1439-1449.	1.7	19

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19	Intensity Data Correction for Long-Range Terrestrial Laser Scanners: A Case Study of Target Differentiation in an Intertidal Zone. Remote Sensing, 2019, 11, 331.	4.0	11
20	Formation of greigite (Fe3S4) in the sediments of saline lake Lop Nur, northwest China, and its implications for paleo-environmental change during the last 8400â€¯years. Journal of Asian Earth Sciences, 2019, 174, 99-108.	2.3	9
21	Multiple dating approaches applied to the recent sediments in the Yangtze River (Changjiang) subaqueous delta. Holocene, 2018, 28, 858-866.	1.7	28
22	Recent Applications of Mineral Magnetic Methods in Sediment Pollution Studies: a Review. Current Pollution Reports, 2018, 4, 1-7.	6.6	13
23	Optical dating of Holocene sediments from the Yangtze River (Changjiang) Delta, China. Quaternary International, 2018, 467, 251-263.	1.5	37
24	The chronology of a sediment core from incised valley of the Yangtze River delta: Comparative OSL and AMS 14 C dating. Marine Geology, 2018, 395, 320-330.	2.1	42
25	Fingerprinting Sediment Transport in Riverâ€Dominated Margins Using Combined Mineral Magnetic and Radionuclide Methods. Journal of Geophysical Research: Oceans, 2018, 123, 5360-5374.	2.6	18
26	Magnetic properties of sediments from the Pangani River Basin, Tanzania: Influence of lithology and particle size. Journal of Applied Geophysics, 2017, 143, 42-49.	2.1	7
27	Influence of provenance and hydrodynamic sorting on the magnetic properties and geochemistry of sediments of the Oujiang River, China. Marine Geology, 2017, 387, 1-11.	2.1	14
28	Tracing Sediment Erosion in the Yangtze River Subaqueous Delta Using Magnetic Methods. Journal of Geophysical Research F: Earth Surface, 2017, 122, 2064-2078.	2.8	17
29	Magnetic properties of sediments of the <scp>R</scp>ed <scp>R</scp>iver: Effect of sorting on the sourceâ€toâ€sink pathway and its implications for environmental reconstruction. Geochemistry, Geophysics, Geosystems, 2016, 17, 270-281.	2.5	29
30	Late Quaternary loess deposition in the southern Chaiwopu Basin of the northern Chinese Tian Shan foreland and its palaeoclimatic implications. Boreas, 2016, 45, 304-321.	2.4	15
31	Assessment of heavy metal pollution in Red River surface sediments, Vietnam. Marine Pollution Bulletin, 2016, 113, 513-519.	5.0	75
32	Magnetic mineral diagenesis in the riverâ€dominated inner shelf of the East China Sea, China. Journal of Geophysical Research: Solid Earth, 2015, 120, 4720-4733.	3.4	30
33	Magnetic fingerprinting of hydrodynamic variations and channel erosion across the turbidity maximum zone of the Yangtze Estuary, China. Geomorphology, 2014, 226, 300-311.	2.6	17
34	Magnetic and diffuse reflectance spectroscopic characterization of iron oxides in the tidal flat sequence from the coastal plain of Jiangsu Province, China. Geophysical Journal International, 2014, 196, 175-188.	2.4	14
35	A magnetic record of heavy metal pollution in the Yangtze River subaqueous delta. Science of the Total Environment, 2014, 476-477, 368-377.	8.0	57
36	Rock magnetic properties and paleoenvironmental implications of an 8-Ma Late Cenozoic terrigenous succession from the northern Tian Shan foreland basin, northwestern China. Global and Planetary Change, 2013, 111, 43-56.	3.5	15

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37	Extending the timescale and range of ecosystem services through paleoenvironmental analyses, exemplified in the lower Yangtze basin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1111-20.	7.1	163
38	Magnetic properties of coastal loess on the Midao islands, northern China: Implications for provenance and weathering intensity. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 333-334, 160-167.	2.3	25
39	Magnetic properties of sediments from major rivers, aeolian dust, loess soil and desert in China. Journal of Asian Earth Sciences, 2012, 45, 190-200.	2.3	19
40	Magnetic and geochemical evidence of Yellow and Yangtze River influence on tidal flat deposits in northern Jiangsu Plain, China. Marine Geology, 2012, 319-322, 47-56.	2.1	44
41	Magnetic and geochemical characterization of iron pollution in subway dusts in Shanghai, China. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	30
42	Magnetic properties of East China Sea shelf sediments off the Yangtze Estuary: Influence of provenance and particle size. Geomorphology, 2010, 119, 212-220.	2.6	48
43	Heavy metal contamination in surface sediments of Yangtze River intertidal zone: An assessment from different indexes. Environmental Pollution, 2009, 157, 1533-1543.	7.5	513
44	East Asian summer monsoon intensity inferred from iron oxide mineralogy in the Xiashu Loess in southern China. Quaternary Science Reviews, 2009, 28, 345-353.	3.0	50
45	Lead (Pb) isotopes as a tracer of Pb origin in Yangtze River intertidal zone. Chemical Geology, 2008, 257, 257-263.	3.3	53
46	Distinguishing sediments from the Yangtze and Yellow Rivers, China: a mineral magnetic approach. Holocene, 2008, 18, 1139-1145.	1.7	55
47	Magnetic approach to normalizing heavy metal concentrations for particle size effects in intertidal sediments in the Yangtze Estuary, China. Environmental Pollution, 2007, 147, 238-244.	7.5	70
48	Magnetic properties and geochemistry of the Xiashu Loess in the present subtropical area of China, and their implications for pedogenic intensity. Earth and Planetary Science Letters, 2007, 260, 86-97.	4.4	81
49	Sedimentation rates in relation to sedimentary processes of the Yangtze Estuary, China. Estuarine, Coastal and Shelf Science, 2007, 71, 37-46.	2.1	59
50	A preliminary study of heavy metal contamination in Yangtze River intertidal zone due to urbanization. Marine Pollution Bulletin, 2004, 49, 910-915.	5.0	299
51	Magnetic properties of tidal flat sediments of the Yangtze Estuary and its relationship with particle size. Science in China Series D: Earth Sciences, 2003, 46, 954-966.	0.9	28
52	Relationships Between Iron Oxides and Magnetic Properties in Intertidal Sediments of the Yangtze Estuary, China. Chinese Journal of Geophysics, 2003, 46, 100-109.	0.2	3
53	Magnetic normalization of particle size effects in a heavy metal pollution study of intertidal sediments from the Yangzte Estuary. Science in China Series B: Chemistry, 2001, 44, 185-189.	0.8	4