

# Shiming Wan

## List of Publications by Year in descending order

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108  
papers

4,250  
citations

145106

33  
h-index

139680

61  
g-index

113  
all docs

113  
docs citations

113  
times ranked

3114  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human impact overwhelms long-term climatic control on C4 vegetation in the Yellow River Basin after 3 ka BP. <i>Geosystems and Geoenvironment</i> , 2022, 1, 100021.	1.7	5
2	Tectonic and Climatic Impacts on Environmental Evolution in East Asia During the Palaeogene. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
3	Tectonic and Orbital Imprints in the Redox History of Japan Sea Since the Pliocene. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	1.3	4
4	Geochronological and geochemical characterization of paleo-rivers deposits during rifting of the South China Sea. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117427.	1.8	10
5	First Record of Oceanic Anoxic Event 1d at Southern High Latitudes: Sedimentary and Geochemical Evidence From International Ocean Discovery Program Expedition 369. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
6	Deepâ€Water Formation in the North Pacific During the Late Miocene Global Cooling. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003946.	1.3	9
7	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. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF005828.	1.0	7
8	Paleoenvironmental evolution of South Asia and its link to Himalayan uplift and climatic change since the late Eocene. <i>Global and Planetary Change</i> , 2021, 200, 103459.	1.6	14
9	East Asian monsoon intensification promoted weathering of the magnesium-rich southern China upper crust and its global significance. <i>Science China Earth Sciences</i> , 2021, 64, 1155-1170.	2.3	4
10	Delayed Collapse of the North Pacific Intermediate Water After the Glacial Termination. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092911.	1.5	10
11	Millennial-scale interaction between the East Asian winter monsoon and El NiÃ±o-related tropical Pacific precipitation in the Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 573, 110442.	1.0	11
12	Sediment distribution and dispersal in the southern South China Sea: Evidence from clay minerals and magnetic properties. <i>Marine Geology</i> , 2021, 439, 106560.	0.9	11
13	Contrasting Sensitivity of Weathering Proxies to Quaternary Climate and Seaâ€Level Fluctuations on the Southern Slope of the South China Sea. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	8
14	Links between iron supply from Asian dust and marine productivity in the Japan Sea since four million years ago. <i>Geological Magazine</i> , 2020, 157, 818-828.	0.9	6
15	Sources and origins of eolian dust to the Philippine Sea determined by major minerals and elemental geochemistry. <i>Geological Magazine</i> , 2020, 157, 719-728.	0.9	4
16	Response of heterogeneous rainfall variability in East Asia to Hadley circulation reorganization during the late Quaternary. <i>Quaternary Science Reviews</i> , 2020, 247, 106562.	1.4	14
17	Holocene Climate Modulates Mud Supply, Transport, and Sedimentation on the East China Sea Shelf. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005731.	1.0	12
18	Asian dust from land to sea: processes, history and effect from modern observation to geological records. <i>Geological Magazine</i> , 2020, 157, 701-706.	0.9	14

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19	Climate-Driven Weathering Shifts Between Highlands and Floodplains. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008936.	1.0	15
20	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. <i>Quaternary Science Reviews</i> , 2020, 232, 106211.	1.4	13
21	Human impact overwhelms long-term climate control of fire in the Yangtze River Basin since 3.0 ka BP. <i>Quaternary Science Reviews</i> , 2020, 230, 106165.	1.4	39
22	Two-phase structure of tropical hydroclimate during Heinrich Stadial 1 and its global implications. <i>Quaternary Science Reviews</i> , 2019, 222, 105900.	1.4	24
23	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. <i>Marine Geology</i> , 2019, 415, 105970.	0.9	16
24	Mineralogical and isotopic evidence for the sediment provenance of the western South Yellow Sea since MIS 3 and implications for paleoenvironmental evolution. <i>Marine Geology</i> , 2019, 414, 103-117.	0.9	10
25	Asynchronous Variation in the Quaternary East Asian Winter Monsoon Associated With the Tropical Pacific ENSO-Like System. <i>Geophysical Research Letters</i> , 2019, 46, 6955-6963.	1.5	12
26	History of Yellow River and Yangtze River delivering sediment to the Yellow Sea since 3.5 Ma: Tectonic or climate forcing?. <i>Quaternary Science Reviews</i> , 2019, 216, 74-88.	1.4	56
27	Sea-level, monsoonal, and anthropogenic impacts on the millennial-scale variability of siliciclastic sediment input into the western Philippine sea since 27 ka. <i>Journal of Asian Earth Sciences</i> , 2019, 177, 250-262.	1.0	6
28	Paleoclimatic evolution of the SW and NE South China Sea and its relationship with spectral reflectance data over various age scales. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 525, 25-43.	1.0	16
29	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. <i>Quaternary Science Reviews</i> , 2019, 205, 22-34.	1.4	34
30	Pyrite sulfur isotopes constrained by sedimentation rates: Evidence from sediments on the East China Sea inner shelf since the late Pleistocene. <i>Chemical Geology</i> , 2019, 505, 66-75.	1.4	64
31	Quaternary sedimentary record in the northern Okinawa Trough indicates the tectonic control on depositional environment change. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 516, 126-138.	1.0	8
32	ENSO-Like Modulated Tropical Pacific Climate Changes Since 2.36 Myr and Its Implication for the Middle Pleistocene Transition. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 415-426.	1.0	12
33	High-resolution and high-precision correlation of dark and light layers in the Quaternary hemipelagic sediments of the Japan Sea recovered during IODP Expedition 346. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	1.1	55
34	Provenance discrimination of sediments in the Zhejiang-Fujian mud belt, East China Sea: Implications for the development of the mud depocenter. <i>Journal of Asian Earth Sciences</i> , 2018, 151, 1-15.	1.0	62
35	Bathyal records of enhanced silicate erosion and weathering on the exposed Luzon shelf during glacial lowstands and their significance for atmospheric CO <sub>2</sub> sink. <i>Chemical Geology</i> , 2018, 476, 302-315.	1.4	25
36	Provenance, sea-level and monsoon climate controls on silicate weathering of Yellow River sediment in the northern Okinawa Trough during late last glaciation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 490, 227-239.	1.0	29

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37	Increased seasonality and aridity drove the C4 plant expansion in Central Asia since the Miocene–Pliocene boundary. <i>Earth and Planetary Science Letters</i> , 2018, 502, 74-83.	1.8	39
38	Sea-level oscillations in the East China Sea and their implications for global seawater redistribution during 14.0–10.0 kyr BP. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 511, 298-308.	1.0	18
39	Nonevaporative origin for gypsum in mud sediments from the East China Sea shelf. <i>Marine Chemistry</i> , 2018, 205, 90-97.	0.9	16
40	Rapid precipitation changes in the tropical West Pacific linked to North Atlantic climate forcing during the last deglaciation. <i>Quaternary Science Reviews</i> , 2018, 197, 288-306.	1.4	18
41	Seasonal Variations in the Siliciclastic Fluxes to the Western Philippine Sea and Their Impacts on Seawater $\mu\text{Nd}$ Values Inferred From 1 Year of In Situ Observations Above Benham Rise. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6688-6702.	1.0	7
42	Antarctic Intermediate Water penetration into the Northern Indian Ocean during the last deglaciation. <i>Earth and Planetary Science Letters</i> , 2018, 500, 67-75.	1.8	33
43	Rapid transition from continental breakup to igneous oceanic crust in the South China Sea. <i>Nature Geoscience</i> , 2018, 11, 782-789.	5.4	183
44	Geochemical evidence for initiation of the modern Mekong delta in the southwestern South China Sea after 8 Ma. <i>Chemical Geology</i> , 2017, 451, 38-54.	1.4	38
45	Yttrium and rare earth element partitioning in seawaters from the Bay of Bengal. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1388-1403.	1.0	13
46	Sediment provenance and paleoenvironmental changes in the northwestern shelf mud area of the South China Sea since the mid-Holocene. <i>Continental Shelf Research</i> , 2017, 144, 21-30.	0.9	20
47	Enhanced silicate weathering of tropical shelf sediments exposed during glacial lowstands: A sink for atmospheric CO <sub>2</sub> . <i>Geochimica Et Cosmochimica Acta</i> , 2017, 200, 123-144.	1.6	85
48	Seasonal variations in dissolved neodymium isotope composition in the Bay of Bengal. <i>Earth and Planetary Science Letters</i> , 2017, 479, 310-321.	1.8	26
49	Deep-sea carbonate preservation in the western Philippine Sea over the past 1Ma. <i>Quaternary International</i> , 2017, 459, 101-115.	0.7	7
50	Distinct control mechanism of fine-grained sediments from the Yellow River and the Kuyushu supply in the northern Okinawa Trough since the last glacial. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2949-2969.	1.0	30
51	History of Asian eolian input to the Sea of Japan since 15 Ma: Links to Tibetan uplift or global cooling?. <i>Earth and Planetary Science Letters</i> , 2017, 474, 296-308.	1.8	68
52	Sediment provenance and paleoenvironmental change in the middle Okinawa Trough during the last 18.5 kyr: Clay mineral and geochemical evidence. <i>Quaternary International</i> , 2017, 440, 139-149.	0.7	10
53	End-member modeling of the grain-size record of Sikouzi fine sediments in Ningxia (China) and implications for temperature control of Neogene evolution of East Asian winter monsoon. <i>PLoS ONE</i> , 2017, 12, e0186153.	1.1	20
54	ENHANCED SILICATE WEATHERING OF TROPICAL SHELF SEDIMENTS EXPOSED DURING GLACIAL LOWSTANDS: A SINK FOR ATMOSPHERIC CO <sub>2</sub> . , 2017, , .		0

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55	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.	1.8	40
56	Synchronicity of Kuroshio Current and climate system variability since the Last Glacial Maximum. <i>Earth and Planetary Science Letters</i> , 2016, 452, 247-257.	1.8	57
57	Deepwater circulation variation in the South China Sea since the Last Glacial Maximum. <i>Geophysical Research Letters</i> , 2016, 43, 8590-8599.	1.5	33
58	Comment on "Sr <sup>87</sup> /Sr <sup>86</sup> and Nd isotope composition and clay mineral assemblages in Eolian dust from the central Philippine Sea over the last 600 kyr: Implications for the transport mechanism of Asian dust" by Seo et al.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 14,137.	1.2	5
59	Testing chemical weathering proxies in Miocene "Recent fluvial-derived sediments in the South China Sea. <i>Geological Society Special Publication</i> , 2016, 429, 45-72.	0.8	11
60	Geochemical records of Taiwan-sourced sediments in the South China Sea linked to Holocene climate changes. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 441, 871-881.	1.0	53
61	Terrigenous supplies variability over the past 22,000yr in the southern South China Sea slope: Relation to sea level and monsoon rainfall changes. <i>Journal of Asian Earth Sciences</i> , 2016, 117, 317-327.	1.0	24
62	Causal evidence between monsoon and evolution of rhizomyine rodents. <i>Scientific Reports</i> , 2015, 5, 9008.	1.6	9
63	The silicon isotope composition of <i>Thalassiosira weissflogii</i> laminated diatom mats from the tropical West Pacific: Implications for silicate cycling during the Last Glacial Maximum. <i>Paleoceanography</i> , 2015, 30, 803-823.	3.0	27
64	Quantitative estimates of Asian dust input to the western Philippine Sea in the mid-late Quaternary and its potential significance for paleoenvironment. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3182-3196.	1.0	50
65	Distribution, enrichment and sources of heavy metals in surface sediments of Hainan Island rivers, China. <i>Environmental Earth Sciences</i> , 2015, 74, 5097-5110.	1.3	59
66	Sr <sup>87</sup> /Sr <sup>86</sup> and Nd isotopic constraints on detrital sediment provenance and paleoenvironmental change in the northern Okinawa Trough during the late Quaternary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 430, 74-84.	1.0	39
67	Formation of the modern current system in the East China Sea since the early Holocene and its relationship with sea level and the monsoon system. <i>Chinese Journal of Oceanology and Limnology</i> , 2015, 33, 1062-1071.	0.7	7
68	Human impact overwhelms long-term climate control of weathering and erosion in southwest China. <i>Geology</i> , 2015, 43, 439-442.	2.0	107
69	The effects of tool edge radius on drill deflection and hole misalignment in deep hole gundrilling of Inconel-718. <i>CIRP Annals - Manufacturing Technology</i> , 2014, 63, 125-128.	1.7	32
70	Geochemistry of rare earth elements in the mid-late Quaternary sediments of the western Philippine Sea and their paleoenvironmental significance. <i>Science China Earth Sciences</i> , 2014, 57, 802-812.	2.3	8
71	Assemblage characteristics of clay minerals and its implications to evolution of eolian dust input to the Parece Vela Basin since 1.95 Ma. <i>Chinese Journal of Oceanology and Limnology</i> , 2014, 32, 174-186.	0.7	13
72	Reconstructing chemical weathering, physical erosion and monsoon intensity since 25Ma in the northern South China Sea: A review of competing proxies. <i>Earth-Science Reviews</i> , 2014, 130, 86-102.	4.0	402

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73	Sediment provenance and paleoenvironmental change in the Ulleung Basin of the East (Japan) Sea during the last 21kyr. <i>Journal of Asian Earth Sciences</i> , 2014, 93, 146-157.	1.0	15
74	Sedimentary processes on the Mekong subaqueous delta: Clay mineral and geochemical analysis. <i>Journal of Asian Earth Sciences</i> , 2014, 79, 520-528.	1.0	26
75	Clay-sized sediment provenance change in the northern Okinawa Trough since 22kyrBP and its paleoenvironmental implication. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 399, 236-245.	1.0	53
76	ITCZ and ENSO pacing on East Asian winter monsoon variation during the Holocene: Sedimentological evidence from the Okinawa Trough. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4410-4429.	1.0	66
77	Holocene evolution in weathering and erosion patterns in the Pearl River delta. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2349-2368.	1.0	113
78	QUATERNARY ASSEMBLAGE CHARACTERISTIC AND PROVENANCE OF CLAY MINERALS IN THE PARECEVELA BASIN OF THE EAST PHILIPPINE SEA. <i>Marine Geology &amp; Quaternary Geology</i> , 2013, 32, 139-148.	0.1	3
79	Deep sea records of the continental weathering and erosion response to East Asian monsoon intensification since 14ka in the South China Sea. <i>Chemical Geology</i> , 2012, 326-327, 1-18.	1.4	120
80	Evolution of East Asian monsoon: Clay mineral evidence in the western Philippine Sea over the past 700kyr. <i>Journal of Asian Earth Sciences</i> , 2012, 60, 188-196.	1.0	37
81	History of Asian eolian input to the West Philippine Sea over the last one million years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 326-328, 152-159.	1.0	71
82	Tectonic and climatic controls on long-term silicate weathering in Asia since 5 Ma. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	53
83	Provenance, structure, and formation of the mud wedge along inner continental shelf of the East China Sea: A synthesis of the Yangtze dispersal system. <i>Marine Geology</i> , 2012, 291-294, 176-191.	0.9	203
84	Sensitive grain-size records of Holocene East Asian summer monsoon in sediments of northern South China Sea slope. <i>Quaternary Research</i> , 2011, 75, 734-744.	1.0	59
85	Increased contribution of terrigenous supply from Taiwan to the northern South China Sea since 3Ma. <i>Marine Geology</i> , 2010, 278, 115-121.	0.9	95
86	Geochemical records in the South China Sea: implications for East Asian summer monsoon evolution over the last 20 Ma. <i>Geological Society Special Publication</i> , 2010, 342, 245-263.	0.8	53
87	Evolution and variability of the East Asian summer monsoon during the Pliocene: Evidence from clay mineral records of the South China Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 293, 237-247.	1.0	73
88	Cold event at 5 500 a BP recorded in mud sediments on the inner shelf of the East China Sea. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 975-984.	0.7	22
89	Yangtze- and Taiwan-derived sediments on the inner shelf of East China Sea. <i>Continental Shelf Research</i> , 2009, 29, 2240-2256.	0.9	214
90	Extreme weathering/erosion during the Miocene Climatic Optimum: Evidence from sediment record in the South China Sea. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	65

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91	äœæµ·â†...é™†æžŕé™†æºç%©è˘çÿç%©ç»„æ^â¹ç²'âº â'ŒâœºçfâŒ—â æ^â†çš„â^ŕçº . Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao / Geosciences, 2009, 34, 613.		0
92	Sedimentary changes during the Holocene in the Bohai Sea and its paleoenvironmental implication. Continental Shelf Research, 2008, 28, 1333-1339.	0.9	19
93	Characteristics of Clay Minerals in the Northern South China Sea and Its Implications for Evolution of East Asian Monsoon since Miocene. Journal of China University of Geosciences, 2008, 19, 23-37.	0.4	24
94	Development of the East Asian monsoon: Mineralogical and sedimentologic records in the northern South China Sea since 20 Ma. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 254, 561-582.	1.0	366
95	Grain-size records at ODP site 1146 from the northern South China Sea: Implications on the East Asian monsoon evolution since 20 Ma. Science in China Series D: Earth Sciences, 2007, 50, 1536-1547.	0.9	11
96	Development of the East Asian summer monsoon: Evidence from the sediment record in the South China Sea since 8.5 Ma. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 241, 139-159.	1.0	125
97	The History of the Yangtze River Entering Sea since the Last Glacial Maximum: a Review and Look Forward. Journal of Coastal Research, 2004, 202, 599-604.	0.1	19
98	Expedition 367/368 summary. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	11
99	Expedition 367/368 methods. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	18
100	Site U1499. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	6
101	Site U1500. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	10
102	Site U1501. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	7
103	Site U1502. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	5
104	Site U1504. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	4
105	Expedition 346 summary. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	18
106	Sites U1428 and U1429. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	4
107	Site U1505. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	2
108	Site U1503. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	3