

Meixun Zhao

List of Publications by Year in descending order

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104
papers

3,578
citations

147801

31
h-index

161849

54
g-index

106
all docs

106
docs citations

106
times ranked

2945
citing authors

#	ARTICLE	IF	CITATIONS
1	Eutrophication-Driven Hypoxia in the East China Sea off the Changjiang Estuary. <i>Environmental Science & Technology</i> , 2016, 50, 2255-2263.	10.0	184
2	Pre-aged soil organic carbon as a major component of the Yellow River suspended load: Regional significance and global relevance. <i>Earth and Planetary Science Letters</i> , 2015, 414, 77-86.	4.4	148
3	Terrestrial and marine biomarker estimates of organic matter sources and distributions in surface sediments from the East China Sea shelf. <i>Continental Shelf Research</i> , 2011, 31, 1106-1115.	1.8	147
4	Deep sea and lake records of the Southeast Asian paleomonsoons for the last 25 thousand years. <i>Earth and Planetary Science Letters</i> , 1997, 146, 59-72.	4.4	136
5	Phylogenetic shifts of bacterioplankton community composition along the Pearl Estuary: the potential impact of hypoxia and nutrients. <i>Frontiers in Microbiology</i> , 2015, 6, 64.	3.5	135
6	A millennial-scale $U^{37}K\epsilon^2$ sea-surface temperature record from the South China Sea ($8^{\circ}N$) over the last 150 kyr: Monsoon and sea-level influence. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 236, 39-55.	2.3	133
7	Widespread dispersal and aging of organic carbon in shallow marginal seas. <i>Geology</i> , 2016, 44, 791-794.	4.4	118
8	Global-scale evidence for the refractory nature of riverine black carbon. <i>Nature Geoscience</i> , 2018, 11, 584-588.	12.9	111
9	Surface ocean and monsoon climate variability in the South China Sea since the last glaciation. <i>Marine Micropaleontology</i> , 1997, 32, 71-94.	1.2	110
10	Comparative molecular biomarker assessment of phytoplankton paleoproductivity for the last 160kyr off Cap Blanc, NW Africa. <i>Organic Geochemistry</i> , 2006, 37, 72-97.	1.8	87
11	Diverse origins and pre-depositional histories of organic matter in contemporary Chinese marginal sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 191, 70-88.	3.9	84
12	An interlaboratory study of TEX ₈₆ and BIT analysis of sediments, extracts, and standard mixtures. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5263-5285.	2.5	76
13	Remineralization of sedimentary organic carbon in mud deposits of the Changjiang Estuary and adjacent shelf: Implications for carbon preservation and authigenic mineral formation. <i>Continental Shelf Research</i> , 2014, 91, 1-11.	1.8	76
14	A multiproxy analysis of sedimentary organic carbon in the Changjiang Estuary and adjacent shelf. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1407-1429.	3.0	74
15	Grain size records reveal variability of the East Asian Winter Monsoon since the Middle Holocene in the Central Yellow Sea mud area, China. <i>Science China Earth Sciences</i> , 2012, 55, 1656-1668.	5.2	71
16	Marine and terrestrial biomarker records for the last 35,000 years at ODP site 658C off NW Africa. <i>Organic Geochemistry</i> , 2000, 31, 919-930.	1.8	67
17	Spatial Variations in Archaeal Lipids of Surface Water and Core-Top Sediments in the South China Sea and Their Implications for Paleoclimate Studies. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7479-7489.	3.1	67
18	Multiple proxy estimates of source and spatial variation in organic matter in surface sediments from the southern Yellow Sea. <i>Organic Geochemistry</i> , 2014, 76, 72-81.	1.8	66

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19	Climate control on terrestrial biospheric carbon turnover. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	64
20	Influence of Hydrodynamic Processes on the Fate of Sedimentary Organic Matter on Continental Margins. Global Biogeochemical Cycles, 2018, 32, 1420-1432.	4.9	57
21	Sea surface temperature records of core ZY2 from the central mud area in the South Yellow Sea during last 6200 years and related effect of the Yellow Sea Warm Current. Science Bulletin, 2011, 56, 1588-1595.	1.7	51
22	Carbon pools and fluxes in the China Seas and adjacent oceans. Science China Earth Sciences, 2018, 61, 1535-1563.	5.2	51
23	Comparison and implication of TEX86 and U37K' temperature records over the last 356kyr of ODP Site 1147 from the northern South China Sea. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 376, 213-223.	2.3	46
24	Organic Carbon Aging During Across-shelf Transport. Geophysical Research Letters, 2018, 45, 8425-8434.	4.0	43
25	Diversity, Abundance, and Niche Differentiation of Ammonia-Oxidizing Prokaryotes in Mud Deposits of the Eastern China Marginal Seas. Frontiers in Microbiology, 2016, 7, 137.	3.5	40
26	Biomarker records of phytoplankton productivity and community structure changes in the Japan Sea over the last 166kyr. Quaternary Science Reviews, 2011, 30, 2666-2675.	3.0	39
27	Relationships between grain size and organic carbon 14C heterogeneity in continental margin sediments. Earth and Planetary Science Letters, 2019, 505, 76-85.	4.4	39
28	Ecosystem responses to anthropogenic and natural forcing over the last 100years in the coastal areas of the East China Sea. Holocene, 2016, 26, 669-677.	1.7	37
29	Cooling of the South China Sea by the Toba Eruption and correlation with other climate proxies ~71,000 years ago. Geophysical Research Letters, 2001, 28, 3915-3918.	4.0	36
30	Processes of coastal ecosystem carbon sequestration and approaches for increasing carbon sink. Science China Earth Sciences, 2017, 60, 809-820.	5.2	35
31	Molecular isotopic insights into hydrodynamic controls on fluvial suspended particulate organic matter transport. Geochimica Et Cosmochimica Acta, 2019, 262, 78-91.	3.9	34
32	Comparison of two U37K-sea surface temperature records for the last climatic cycle at ODP Site 658 from the sub-tropical Northeast Atlantic. Palaeogeography, Palaeoclimatology, Palaeoecology, 1993, 103, 57-65.	2.3	33
33	Changes in phytoplankton productivity and community structure in the northern South China Sea during the past 260ka. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 392, 312-323.	2.3	33
34	Holocene shifts in riverine fine-grained sediment supply to the East China Sea Distal Mud in response to climate change. Holocene, 2014, 24, 1253-1268.	1.7	32
35	Spatiotemporal variations of phytoplankton in the East China Sea and the Yellow Sea revealed by lipid biomarkers. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 109-125.	3.0	31
36	Impacts of Natural and Human-Induced Hydrological Variability on Particulate Organic Carbon Dynamics in the Yellow River. Environmental Science & Technology, 2019, 53, 1119-1129.	10.0	30

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37	Shift of anammox bacterial community structure along the Pearl Estuary and the impact of environmental factors. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 2869-2883.	2.6	28
38	Spatial distributions of methoxylated and hydroxylated polybrominated diphenyl ethers in the East China Sea—A seaward increasing trend. <i>Chemosphere</i> , 2014, 114, 247-254.	8.2	27
39	Temporal variability in composition and fluxes of Yellow River particulate organic matter. <i>Limnology and Oceanography</i> , 2018, 63, S119.	3.1	27
40	Sea surface temperature and terrestrial biomarker records of the last 260 ka of core MD05-2904 from the northern South China Sea. <i>Science Bulletin</i> , 2008, 53, 2376-2384.	9.0	26
41	Degradation and Aging of Terrestrial Organic Carbon within Estuaries: Biogeochemical and Environmental Implications. <i>Environmental Science & Technology</i> , 2021, 55, 10852-10861.	10.0	26
42	Responses of Marine Diatom-Dinoflagellate Competition to Multiple Environmental Drivers: Abundance, Elemental, and Biochemical Aspects. <i>Frontiers in Microbiology</i> , 2021, 12, 731786.	3.5	26
43	Alkenone distribution in surface sediments of the southern Yellow Sea and implications for the $\delta^{13}C_{org}$ thermometer. <i>Geo-Marine Letters</i> , 2012, 32, 61-71.	1.1	24
44	Biomarker evidence for paleoenvironmental changes in the southern Yellow Sea over the last 8200 years. <i>Chinese Journal of Oceanology and Limnology</i> , 2012, 30, 1-11.	0.7	23
45	Major sources of MeO/OH-BDEs in the East China Sea elucidated from their records and phytoplankton biomarkers. <i>Environmental Pollution</i> , 2014, 192, 1-8.	7.5	23
46	On the Origin of Aged Sedimentary Organic Matter Along a River-Shelf-Deep Ocean Transect. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2582-2594.	3.0	23
47	A record of Holocene sea-ice variability off West Greenland and its potential forcing factors. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 475, 115-124.	2.3	22
48	Deconvolving the Fate of Carbon in Coastal Sediments. <i>Geophysical Research Letters</i> , 2018, 45, 4134-4142.	4.0	21
49	Use of lipid biomarkers for identification of regional sources and dechlorination characteristics of polychlorinated biphenyls in the East China Sea. <i>Science of the Total Environment</i> , 2014, 490, 766-775.	8.0	20
50	Environmental dependence of the correlations between stoichiometric and fatty acid-based indicators of phytoplankton nutritional quality. <i>Limnology and Oceanography</i> , 2017, 62, 334-347.	3.1	20
51	Temporal constraints on lateral organic matter transport along a coastal mud belt. <i>Organic Geochemistry</i> , 2019, 128, 86-93.	1.8	20
52	Lipid biomarker production by marine phytoplankton under different nutrient and temperature regimes. <i>Organic Geochemistry</i> , 2019, 131, 34-49.	1.8	20
53	Contrasting fates of terrestrial organic carbon pools in marginal sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 309, 16-30.	3.9	20
54	Biomarker reconstruction of phytoplankton productivity and community structure changes in the middle Okinawa Trough during the last 15 ka. <i>Science Bulletin</i> , 2008, 53, 2552-2559.	9.0	19

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55	Sedimentary records of hydroxylated and methoxylated polybrominated diphenyl ethers in the southern Yellow Sea. <i>Marine Pollution Bulletin</i> , 2014, 84, 366-372.	5.0	19
56	Distribution patterns of ammonia-oxidizing archaea and bacteria in sediments of the eastern China marginal seas. <i>Systematic and Applied Microbiology</i> , 2018, 41, 658-668.	2.8	19
57	Ladderane records over the last century in the East China sea: Proxies for anammox and eutrophication changes. <i>Water Research</i> , 2019, 156, 297-304.	11.3	19
58	High-resolution Carbonate Stratigraphy of IMAGES Core MD972151 from South China Sea. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 1999, 10, 225.	0.6	19
59	Late Holocene paleoenvironmental changes in the southern Okinawa Trough inferred from a diatom record. <i>Science Bulletin</i> , 2011, 56, 1131-1138.	1.7	18
60	East Asian winter monsoon controlling phytoplankton productivity and community structure changes in the southeastern South China Sea over the last 185kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 414, 233-242.	2.3	18
61	Changes in sea surface temperature in western South China Sea over the past 450 ka. <i>Science Bulletin</i> , 2009, 54, 3335-3343.	1.7	17
62	Biomarker evidence for changes in terrestrial organic matter input into the Yellow Sea mud area during the Holocene. <i>Science China Earth Sciences</i> , 2016, 59, 1216-1224.	5.2	17
63	Water Mass Control on Phytoplankton Spatiotemporal Variations in the Northeastern East China Sea and the Western Tsushima Strait Revealed by Lipid Biomarkers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1318-1332.	3.0	17
64	Terrestrial organic carbon age and reactivity in the Yellow River fueling efficient preservation in marine sediments. <i>Earth and Planetary Science Letters</i> , 2022, 585, 117515.	4.4	17
65	Upwelling and anthropogenic forcing on phytoplankton productivity and community structure changes in the Zhejiang coastal area over the last 100 years. <i>Acta Oceanologica Sinica</i> , 2014, 33, 1-9.	1.0	16
66	Sources and radiocarbon ages of aerosol organic carbon along the east coast of China and implications for atmospheric fossil carbon contributions to China marginal seas. <i>Science of the Total Environment</i> , 2018, 619-620, 957-965.	8.0	16
67	Biomarker Evidence of Relatively Stable Community Structure in the Northern South China Sea during the Last Glacial and Holocene. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2008, 19, 377.	0.6	15
68	Holocene temperature records from the East China sea mud area southwest of the Cheju Island reconstructed by the $\delta^{18}O$ and TEX86 paleothermometers. <i>Journal of Ocean University of China</i> , 2013, 12, 599-604.	1.2	15
69	Seasonal changes of organic matter origins and anammox activity in the Changjiang Estuary deduced from multi-biomarkers in suspended particulates. <i>Science China Earth Sciences</i> , 2016, 59, 1339-1352.	5.2	15
70	Terrestrial Biomolecular Burial Efficiencies on Continental Margins. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005520.	3.0	15
71	Biomarker records of phytoplankton productivity and community structure changes in the Central Yellow Sea mud area during the Mid-late Holocene. <i>Journal of Ocean University of China</i> , 2013, 12, 639-646.	1.2	14
72	Diversity and Abundance of the Denitrifying Microbiota in the Sediment of Eastern China Marginal Seas and the Impact of Environmental Factors. <i>Microbial Ecology</i> , 2017, 73, 602-615.	2.8	14

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73	Pollution levels of DDTs and their spatiotemporal trend from sediment records in the Southern Yellow Sea, China. <i>Marine Pollution Bulletin</i> , 2018, 127, 359-364.	5.0	14
74	The hadal zone is an important and heterogeneous sink of black carbon in the ocean. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	14
75	Major mid-late Holocene cooling in the East China Sea revealed by an alkenone sea surface temperature record. <i>Journal of Ocean University of China</i> , 2014, 13, 935-940.	1.2	13
76	Vegetation evolution on the central Chinese Loess Plateau since late Quaternary evidenced by elemental carbon isotopic composition. <i>Science Bulletin</i> , 2009, 54, 2082-2089.	9.0	12
77	A diatom-based reconstruction of summer sea-surface salinity in the Southern Okinawa Trough, East China Sea, over the last millennium. <i>Journal of Quaternary Science</i> , 2012, 27, 771-779.	2.1	12
78	Phase evolution of Holocene paleoenvironmental changes in the southern Yellow Sea: Benthic foraminiferal evidence from core C02. <i>Journal of Ocean University of China</i> , 2013, 12, 629-638.	1.2	12
79	A diatom record of mid-to late Holocene palaeoenvironmental changes in the southern Okinawa Trough. <i>Journal of Quaternary Science</i> , 2015, 30, 32-43.	2.1	12
80	Evolution of the Southern Yellow Sea Cold Water Mass during the last 7 kyr from benthic foraminiferal evidence. <i>Science China Earth Sciences</i> , 2018, 61, 1406-1418.	5.2	12
81	Diatom-based reconstruction of summer sea-surface salinity in the South China Sea over the last 15,000 years. <i>Boreas</i> , 2014, 43, 208-219.	2.4	11
82	Sedimentary ladderane core lipids as potential indicators of hypoxia in the East China Sea. <i>Chinese Journal of Oceanology and Limnology</i> , 2013, 31, 237-244.	0.7	9
83	Biomarker assessments of sources and environmental implications of organic matter in sediments from potential cold seep areas of the northeastern South China Sea. <i>Acta Oceanologica Sinica</i> , 2017, 36, 8-19.	1.0	9
84	East Asian Winter Monsoon Variations and Their Links to Arctic Sea Ice During the Last Millennium, Inferred From Sea Surface Temperatures in the Okinawa Trough. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 61-75.	2.9	9
85	Stoichiometric and sterol responses of dinoflagellates to changes in temperature, nutrient supply and growth phase. <i>Algal Research</i> , 2019, 42, 101609.	4.6	9
86	Spatial and seasonal variations of organic carbon distributions in typical intertidal sediments of China. <i>Organic Geochemistry</i> , 2020, 142, 103993.	1.8	9
87	Hydrodynamic processes and source changes caused elevated ^{14}C ages of organic carbon in the East China Sea over the last 14.3 kyr. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 304, 347-363.	3.9	9
88	Air-sea interactive forcing on phytoplankton productivity and community structure changes in the East China Sea during the Holocene. <i>Global and Planetary Change</i> , 2019, 179, 80-91.	3.5	8
89	Phytoplankton Responses to Climate-Induced Warming and Interdecadal Oscillation in North-Western Australia. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, no.	2.9	8
90	Biogeochemistry and the Carbon Reservoir. <i>Developments in Paleoenvironmental Research</i> , 2009, , 439-483.	8.0	8

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91	Persistently high efficiencies of terrestrial organic carbon burial in Chinese marginal sea sediments over the last 200 years. <i>Chemical Geology</i> , 2022, 606, 120999.	3.3	8
92	Discovery of native aluminum and its possible origin from prospective gas hydrate areas in the South China Sea. <i>Science China Earth Sciences</i> , 2010, 53, 335-344.	5.2	7
93	Palaeo-sea-ice changes on the North Icelandic shelf during the last millennium: Evidence from diatom records. <i>Science China Earth Sciences</i> , 2015, 58, 962-970.	5.2	6
94	Phytoplankton Distributions in the Kuroshio-Oyashio Region of the Northwest Pacific Ocean: Implications for Marine Ecology and Carbon Cycle. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	6
95	Spatial Distributions and Potential Sources of Long Chain (C30, C32 1,15-) Alkyl Diols in Surface Sediments from Eastern China Marginal Seas. <i>Journal of Ocean University of China</i> , 2018, 17, 1114-1122.	1.2	5
96	Differentiating the Causes of Aged Organic Carbon in Marine Sediments. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
97	Gradually Cooling of the Yellow Sea Warm Current Driven by Tropical Pacific Subsurface Water Temperature Changes Over the Past 5 kyr. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093534.	4.0	3
98	The Sources and Burial of Marine Organic Carbon in the Eastern China Marginal Seas. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	3
99	Sea surface temperature and subtropical front movement in the South Tasman Sea during the last 800 ka. <i>Science Bulletin</i> , 2010, 55, 3338-3344.	1.7	2
100	Lipid and DNA Evidence of Dominance of Planktonic Archaea Preserved in Sediments of the South China Sea: Insight for Application of the TEX86 Proxy in an Unstable Marine Sediment Environment. <i>Geomicrobiology Journal</i> , 2014, 31, 360-369.	2.0	2
101	Influences of the 1855 AD Huanghe (Yellow River) Relocation on Sedimentary Organic Carbon Burial in the Southern Yellow Sea. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	2
102	Hydrogen isotopes in palmitic and stearic acids in suspended particles from the Changjiang River Estuary. <i>Science China Earth Sciences</i> , 2016, 59, 981-988.	5.2	1
103	Introduction to the Special Section "Proxy Records and Mechanistic Studies of the Late Quaternary Paleoceanography of the Western Pacific Marginal Seas Using IMAGES Cores". <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2008, 19, 1.	0.6	0
104	Seasonal Variations of Terrestrial OC Sources in Aerosols over the East China Sea: The Influence of Long-Range Air Mass Transport. <i>Journal of Ocean University of China</i> , 2021, 20, 1147-1156.	1.2	0