

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	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
2	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
3	Differentiating the Causes of Aged Organic Carbon in Marine Sediments. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
4	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
5	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
6	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
7	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
8	Climate control on terrestrial biospheric carbon turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	64
9	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
10	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
11	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
12	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
13	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
14	Contrasting fates of terrestrial organic carbon pools in marginal sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 309, 16-30.	3.9	20
15	Terrestrial Biomolecular Burial Efficiencies on Continental Margins. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005520.	3.0	15
16	Phytoplankton Responses to Climate-Induced Warming and Interdecadal Oscillation in North-Western Australia. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, no.	2.9	8
17	Spatial and seasonal variations of organic carbon distributions in typical intertidal sediments of China. <i>Organic Geochemistry</i> , 2020, 142, 103993.	1.8	9
18	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

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19	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
20	Molecular isotopic insights into hydrodynamic controls on fluvial suspended particulate organic matter transport. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 262, 78-91.	3.9	34
21	Temporal constraints on lateral organic matter transport along a coastal mud belt. <i>Organic Geochemistry</i> , 2019, 128, 86-93.	1.8	20
22	Lipid biomarker production by marine phytoplankton under different nutrient and temperature regimes. <i>Organic Geochemistry</i> , 2019, 131, 34-49.	1.8	20
23	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
24	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
25	Impacts of Natural and Human-Induced Hydrological Variability on Particulate Organic Carbon Dynamics in the Yellow River. <i>Environmental Science & Technology</i> , 2019, 53, 1119-1129.	10.0	30
26	Relationships between grain size and organic carbon ¹⁴ C heterogeneity in continental margin sediments. <i>Earth and Planetary Science Letters</i> , 2019, 505, 76-85.	4.4	39
27	Deconvolving the Fate of Carbon in Coastal Sediments. <i>Geophysical Research Letters</i> , 2018, 45, 4134-4142.	4.0	21
28	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
29	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
30	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
31	Temporal variability in composition and fluxes of Yellow River particulate organic matter. <i>Limnology and Oceanography</i> , 2018, 63, S119.	3.1	27
32	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
33	Influence of Hydrodynamic Processes on the Fate of Sedimentary Organic Matter on Continental Margins. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1420-1432.	4.9	57
34	Carbon pools and fluxes in the China Seas and adjacent oceans. <i>Science China Earth Sciences</i> , 2018, 61, 1535-1563.	5.2	51
35	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
36	Spatial Distributions and Potential Sources of Long Chain (C ₃₀ , C ₃₂ 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

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37	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
38	Global-scale evidence for the refractory nature of riverine black carbon. <i>Nature Geoscience</i> , 2018, 11, 584-588.	12.9	111
39	Organic Carbon Aging During Across-Shelf Transport. <i>Geophysical Research Letters</i> , 2018, 45, 8425-8434.	4.0	43
40	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
41	Processes of coastal ecosystem carbon sequestration and approaches for increasing carbon sink. <i>Science China Earth Sciences</i> , 2017, 60, 809-820.	5.2	35
42	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
43	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
44	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
45	Diversity, Abundance, and Niche Differentiation of Ammonia-Oxidizing Prokaryotes in Mud Deposits of the Eastern China Marginal Seas. <i>Frontiers in Microbiology</i> , 2016, 7, 137.	3.5	40
46	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
47	Widespread dispersal and aging of organic carbon in shallow marginal seas. <i>Geology</i> , 2016, 44, 791-794.	4.4	118
48	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
49	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
50	Spatiotemporal variations of phytoplankton in the East China Sea and the Yellow Sea revealed by lipid biomarkers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 109-125.	3.0	31
51	Ecosystem responses to anthropogenic and natural forcing over the last 100 years in the coastal areas of the East China Sea. <i>Holocene</i> , 2016, 26, 669-677.	1.7	37
52	Eutrophication-Driven Hypoxia in the East China Sea off the Changjiang Estuary. <i>Environmental Science & Technology</i> , 2016, 50, 2255-2263.	10.0	184
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	Holocene shifts in riverine fine-grained sediment supply to the East China Sea Distal Mud in response to climate change. <i>Holocene</i> , 2014, 24, 1253-1268.	1.7	32
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	Holocene temperature records from the East China sea mud area southwest of the Cheju Island reconstructed by the U 37 K ² and TEX86 paleothermometers. <i>Journal of Ocean University of China</i> , 2013, 12, 599-604.	1.2	15
74	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
75	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
76	Changes in phytoplankton productivity and community structure in the northern South China Sea during the past 260ka. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 392, 312-323.	2.3	33
77	Comparison and implication of TEX86 and U37K' temperature records over the last 356kyr of ODP Site 1147 from the northern South China Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 376, 213-223.	2.3	46
78	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
79	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
80	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
81	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
82	Alkenone distribution in surface sediments of the southern Yellow Sea and implications for the U ^K ₃₇ thermometer. <i>Geo-Marine Letters</i> , 2012, 32, 61-71.	1.1	24
83	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
84	Biomarker records of phytoplankton productivity and community structure changes in the Japan Sea over the last 166 kyr. <i>Quaternary Science Reviews</i> , 2011, 30, 2666-2675.	3.0	39
85	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
86	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. <i>Science Bulletin</i> , 2011, 56, 1588-1595.	1.7	51
87	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
88	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
89	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
90	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

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91	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
92	Biogeochemistry and the Carbon Reservoir. <i>Developments in Paleoenvironmental Research</i> , 2009, , 439-483.	8.0	8
93	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
94	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
95	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
96	Introduction to the Special Section "Proxy Records and Mechanistic Studies of the Late Quaternary Paleooceanography of the Western Pacific Marginal Seas Using IMAGES Cores". <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2008, 19, 1.	0.6	0
97	A millennial-scale U37K ² sea-surface temperature record from the South China Sea (8°N) over the last 150 kyr: Monsoon and sea-level influence. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 236, 39-55.	2.3	133
98	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
99	Cooling of the South China Sea by the Toba Eruption and correlation with other climate proxies ~1471,000 years ago. <i>Geophysical Research Letters</i> , 2001, 28, 3915-3918.	4.0	36
100	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
101	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
102	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
103	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
104	Comparison of two U37K-sea surface temperature records for the last climatic cycle at ODP Site 658 from the sub-tropical Northeast Atlantic. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1993, 103, 57-65.	2.3	33