

Zhimin Jian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3371139/publications.pdf>

Version: 2024-02-01

88
papers

3,192
citations

201658

27
h-index

161844

54
g-index

90
all docs

90
docs citations

90
times ranked

2573
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Response of Planktic Foraminifera to Decline in Seawater pH. <i>Biology</i> , 2022, 11, 98.	2.8	1
2	The Sediment Green-Blue Color Ratio as a Proxy for Biogenic Silica Productivity Along the Chilean Margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	2
3	Upper ocean hydrographic changes in response to the evolution of the East Asian monsoon in the northern South China Sea during the middle to late Miocene. <i>Global and Planetary Change</i> , 2021, 201, 103478.	3.5	13
4	Late Pleistocene climate induced changes in paleo-vegetation in Borneo: Possible implications to human divergence. <i>Quaternary Science Reviews</i> , 2021, 267, 107109.	3.0	5
5	A dataset of the Plio-Pleistocene at IODP Site U1489: Benthic foraminifera stable carbon and oxygen isotopes, coarse fraction, and selected benthic foraminifera abundances. <i>Data in Brief</i> , 2020, 28, 105020.	1.0	0
6	Pacific warm pool subsurface heat sequestration modulated Walker circulation and ENSO activity during the Holocene. <i>Science Advances</i> , 2020, 6, .	10.3	37
7	Last glacial atmospheric CO ₂ decline due to widespread Pacific deep-water expansion. <i>Nature Geoscience</i> , 2020, 13, 628-633.	12.9	26
8	Middle Miocene Intensification of South Asian Monsoonal Rainfall. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003853.	2.9	11
9	Deep water [CO ₂] and circulation in the south China sea over the last glacial cycle. <i>Quaternary Science Reviews</i> , 2020, 243, 106499.	3.0	7
10	Evolution of the Upper Ocean Stratification in the Japan Sea Since the Last Glacial. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088255.	4.0	8
11	Orbital and sea-level changes regulate the iron-associated sediment supplies from Papua New Guinea to the equatorial Pacific. <i>Quaternary Science Reviews</i> , 2020, 239, 106361.	3.0	14
12	The Potential of Marine Ferromanganese Nodules From Eastern Pacific as Recorders of Earth's Magnetic Field Changes During the Past 4.7 Myr: A Geochronological Study by Magnetic Scanning and Authigenic ¹⁰ Be/ ⁹ Be Dating. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018639.	3.4	12
13	Half-precessional cycle of thermocline temperature in the western equatorial Pacific and its bihemispheric dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7044-7051.	7.1	36
14	Past environmental and circulation changes in the South China Sea: Input from the magnetic properties of deep-sea sediments. <i>Quaternary Science Reviews</i> , 2020, 236, 106263.	3.0	20
15	Effects of calcein incorporation on benthic foraminiferal community under various concentrations and incubation durations. <i>Marine Micropaleontology</i> , 2020, 157, 101874.	1.2	4
16	Nitrogen Fixation Changes Regulated by Upper Water Structure in the South China Sea During the Last Two Glacial Cycles. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1010-1025.	4.9	5
17	Precessional Forced Zonal Triple-Pole Anomalies in the Tropical Pacific Annual Cycle. <i>Journal of Climate</i> , 2019, 32, 7369-7402.	3.2	3
18	Discovery of the marine Eocene in the northern South China Sea. <i>National Science Review</i> , 2019, 6, 881-885.	9.5	43

#	ARTICLE	IF	CITATIONS
19	The South China Sea is not a mini-Atlantic: plate-edge rifting <i>vs</i> intra-plate rifting. National Science Review, 2019, 6, 902-913.	9.5	52
20	Exploring the deep South China Sea: Retrospects and prospects. Science China Earth Sciences, 2019, 62, 1473-1488.	5.2	10
21	The B/Ca and Cd/Ca of a subsurface-dwelling foraminifera Pulleniatina obliquiloculata in the tropical Indo-Pacific Ocean: implications for the subsurface carbonate chemistry estimation. Acta Oceanologica Sinica, 2019, 38, 138-150.	1.0	6
22	Changing structure of benthic foraminiferal communities due to declining pH: Results from laboratory culture experiments. Science China Earth Sciences, 2019, 62, 1151-1166.	5.2	5
23	The Effect of Temperature and Food Concentration On Ingestion Rates of Quinqueloculina Seminula On the Diatom Nitzschia Closterium. Journal of Foraminiferal Research, 2019, 49, 3-10.	0.5	5
24	Responses of benthic foraminifera to changes of temperature and salinity: Results from a laboratory culture experiment. Science China Earth Sciences, 2019, 62, 459-472.	5.2	13
25	Isotopic evidence for twentieth-century weakening of the Pacific Walker circulation. Earth and Planetary Science Letters, 2019, 507, 85-93.	4.4	6
26	Deep Hydrography of the South China Sea and Deep Water Circulation in the Pacific Since the Last Glacial Maximum. Geochemistry, Geophysics, Geosystems, 2018, 19, 1447-1463.	2.5	10
27	Variability of the Indonesian Throughflow in the Makassar Strait over the Last 30â€‰ka. Scientific Reports, 2018, 8, 5678.	3.3	28
28	The calcification depth and Mg/Ca thermometry of Pulleniatina obliquiloculata in the tropical Indo-Pacific: A core-top study. Marine Micropaleontology, 2018, 145, 28-40.	1.2	21
29	Nitrogen Isotope Variations in the Northern South China Sea Since Marine Isotopic Stage 3: Reconstructed From Foraminiferaâ€™Bound and Bulk Sedimentary Nitrogen. Paleoceanography and Paleoclimatology, 2018, 33, 594-605.	2.9	12
30	Recent deep water ventilation in the South China Sea and its paleoceanographic implications. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 139, 88-94.	1.4	6
31	Rapid transition from continental breakup to igneous oceanic crust in the South China Sea. Nature Geoscience, 2018, 11, 782-789.	12.9	183
32	Precession-paced thermocline water temperature changes in response to upwelling conditions off southern Sumatra over the past 300,000 years. Quaternary Science Reviews, 2018, 192, 123-134.	3.0	19
33	Responses of the East Asian Summer Monsoon in the Lowâ€™Latitude South China Sea to Highâ€™Latitude Millennialâ€™Scale Climatic Changes During the Last Glaciation: Evidence From a Highâ€™Resolution Clay Mineralogical Record. Paleoceanography and Paleoclimatology, 2018, 33, 745-765.	2.9	35
34	Taxonomy and distribution of benthic foraminifera in an intertidal zone of the Yellow Sea, PR China: Correlations with sediment temperature and salinity. Marine Micropaleontology, 2017, 133, 1-20.	1.2	21
35	Pacific North American circulation pattern links external forcing and North American hydroclimatic change over the past millennium. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3340-3345.	7.1	30
36	Spatiotemporal variations of deep-sea sediment components and their fluxes since the last glaciation in the northern South China Sea. Science China Earth Sciences, 2017, 60, 1368-1381.	5.2	21

#	ARTICLE	IF	CITATIONS
37	The response of winter Pacific North American pattern to strong volcanic eruptions. <i>Climate Dynamics</i> , 2017, 48, 3599-3614.	3.8	4
38	Relative roles of land- and ocean-atmosphere interactions in Asian-Pacific thermal contrast variability at the precessional band. <i>Scientific Reports</i> , 2016, 6, 28349.	3.3	6
39	Dynamics of primary productivity in the northern South China Sea over the past 24,000 years. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4878-4891.	2.5	18
40	Monsoon influence on planktic $\delta^{18}O$ records from the South China Sea. <i>Quaternary Science Reviews</i> , 2016, 142, 26-39.	3.0	27
41	Recent contrasting winter temperature changes over North America linked to enhanced positive Pacific-North American pattern. <i>Geophysical Research Letters</i> , 2015, 42, 7750-7757.	4.0	17
42	Precessional forced evolution of the Indian Ocean Dipole. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3747-3760.	2.6	9
43	Precessional changes in the western equatorial Pacific Hydroclimate: A 240 kyr marine record from the Halmahera Sea, East Indonesia. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 148-164.	2.5	32
44	Deep water exchanges between the South China Sea and the Pacific since the last glacial period. <i>Paleoceanography</i> , 2014, 29, 1162-1178.	3.0	49
45	Long-term cycles in the carbon reservoir of the Quaternary ocean: a perspective from the South China Sea. <i>National Science Review</i> , 2014, 1, 119-143.	9.5	62
46	Precessional forced extratropical North Pacific mode and associated atmospheric dynamics. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3732-3745.	2.6	6
47	Solar forced transient evolution of Pacific upper water thermal structure during the Holocene in an earth system model of intermediate complexity. <i>Science Bulletin</i> , 2013, 58, 1832-1837.	1.7	1
48	Holocene centennial-scale changes of the Indonesian and South China Sea throughflows: Evidences from the Makassar Strait. <i>Global and Planetary Change</i> , 2013, 111, 111-117.	3.5	22
49	Millennial-scale climate variability during the mid-Pleistocene transition period in the northern South China Sea. <i>Quaternary Science Reviews</i> , 2013, 70, 15-27.	3.0	8
50	Stratigraphic gaps at northern South China Sea margin reflect changes in Pacific deepwater inflow at glacial Termination II. <i>Science China Earth Sciences</i> , 2013, 56, 1748-1758.	5.2	13
51	Decoupled Holocene variability in surface and thermocline water temperatures of the Indo-Pacific Warm Pool. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	42
52	Extratropical modulation on Asian summer monsoon at precessional bands. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	11
53	Past dynamics of the East Asian monsoon: No inverse behaviour between the summer and winter monsoon during the Holocene. <i>Global and Planetary Change</i> , 2011, 78, 170-177.	3.5	108
54	Early Pleistocene formation of the asymmetric east-west pattern of upper water structure in the equatorial Pacific Ocean. <i>Science Bulletin</i> , 2011, 56, 2251-2257.	1.7	3

#	ARTICLE	IF	CITATIONS
55	A palynological and palaeoclimatological record from the southern Philippines since the Last Glacial Maximum. <i>Science Bulletin</i> , 2011, 56, 2359-2365.	1.7	13
56	Seasonal variations in planktonic foraminiferal flux and the chemical properties of their shells in the southern South China Sea. <i>Science China Earth Sciences</i> , 2010, 53, 1176-1187.	5.2	24
57	Pulleniatina Minimum Event during the last deglaciation in the southern South China Sea. <i>Science Bulletin</i> , 2009, 54, 4514-4519.	9.0	10
58	Paleoceanography of the mid-Pleistocene South China Sea. <i>Quaternary Science Reviews</i> , 2008, 27, 1217-1233.	3.0	40
59	Changes in the thermocline structure of the Indonesian outflow during Terminations I and II. <i>Earth and Planetary Science Letters</i> , 2008, 273, 152-162.	4.4	120
60	Quaternary biogenic opal records in the South China Sea: Linkages to East Asian monsoon, global ice volume and orbital forcing. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 710-724.	0.9	23
61	Benthic foraminiferal fauna turnover at 2.1 Ma in the northern South China Sea. <i>Science Bulletin</i> , 2007, 52, 839-843.	1.7	8
62	Paleoceanographic evolution recorded in the northern South China Sea since 4 Ma. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 2166-2173.	0.9	10
63	Response of planktonic foraminifera to glacial cycles: Mid-Pleistocene change in the southern South China Sea. <i>Marine Micropaleontology</i> , 2005, 54, 89-105.	1.2	39
64	Foraminiferal isotopic evidence for monsoonal activity in the South China Sea: a present-LGM comparison. <i>Marine Micropaleontology</i> , 2005, 54, 125-139.	1.2	48
65	Carbon isotopic record of foraminifera in surface sediments from the South China Sea and its significance. <i>Science Bulletin</i> , 2005, 50, 162-166.	1.7	2
66	A millennial scale planktonic foraminifer record of the mid-Pleistocene climate transition from the northern South China Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 223, 349-363.	2.3	28
67	Evolution and variability of the Asian monsoon system: state of the art and outstanding issues. <i>Quaternary Science Reviews</i> , 2005, 24, 595-629.	3.0	468
68	Variations of the Last Glacial Warm Pool: Sea surface temperature contrasts between the open western Pacific and South China Sea. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	13
69	Orbitally paced paleoproductivity variations in the Timor Sea and Indonesian Throughflow variability during the last 460 kyr. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	80
70	Modeling the tropical climate and the impact of the western Pacific sea surface temperature at the Last Glacial Maximum. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	11
71	South China Sea surface water evolution over the last 12 Myr: A south-north comparison from Ocean Drilling Program Sites 1143 and 1146. <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	36
72	Thirty million year deep sea records in the South China Sea. <i>Science Bulletin</i> , 2003, 48, 2524-2535.	1.7	75

#	ARTICLE	IF	CITATIONS
73	High-resolution records of thermocline in the Okinawa Trough since about 10000 aBP. <i>Science in China Series D: Earth Sciences</i> , 2001, 44, 193-200.	0.9	8
74	Evolution of planktonic foraminifera and thermocline in the southern South China Sea since 12 Ma (ODP-184, Site 1143). <i>Science in China Series D: Earth Sciences</i> , 2001, 44, 889-896.	0.9	14
75	Neogene oxygen isotopic stratigraphy, ODP Site 1148, northern South China Sea. <i>Science in China Series D: Earth Sciences</i> , 2001, 44, 934-942.	0.9	42
76	A record of Miocene carbon excursions in the South China Sea. <i>Science in China Series D: Earth Sciences</i> , 2001, 44, 943-951.	0.9	26
77	Oxygen isotope stratigraphy and events in the northern South China Sea during the last 6 million years. <i>Science in China Series D: Earth Sciences</i> , 2001, 44, 952-960.	0.9	12
78	Late Quaternary Upwelling Intensity and East Asian Monsoon Forcing in the South China Sea. <i>Quaternary Research</i> , 2001, 55, 363-370.	1.7	140
79	Paleoproductivity records for the past 30 ka in the southern Nansha area, the South China Sea. <i>Science Bulletin</i> , 2000, 45, 1227-1230.	1.7	13
80	Holocene variability of the Kuroshio Current in the Okinawa Trough, northwestern Pacific Ocean. <i>Earth and Planetary Science Letters</i> , 2000, 184, 305-319.	4.4	334
81	Foraminiferal responses to major Pleistocene paleoceanographic changes in the southern South China Sea. <i>Paleoceanography</i> , 2000, 15, 229-243.	3.0	84
82	Modern distribution patterns of planktonic foraminifera in the South China Sea and western Pacific: a new transfer technique to estimate regional sea-surface temperatures. <i>Marine Geology</i> , 1999, 156, 41-83.	2.1	110
83	Benthic foraminiferal paleoceanography of the South China Sea over the last 40,000 years. <i>Marine Geology</i> , 1999, 156, 159-186.	2.1	95
84	Microtektites in the Middle Pleistocene deep-sea sediments of the South China Sea*. <i>Science in China Series D: Earth Sciences</i> , 1999, 42, 531-535.	0.9	19
85	Paleoceanographic implications of Radiolaria in the southern Okinawa Trough over the last 20 000 years. <i>Science in China Series D: Earth Sciences</i> , 1998, 41, 21-27.	0.9	6
86	Stepwise paleoceanographic changes during the last deglaciation in the southern South China Sea: Records of stable isotope and microfossils. <i>Science in China Series D: Earth Sciences</i> , 1998, 41, 187-194.	0.9	12
87	Stable isotopic records of the glacial deep-water properties in the South China Sea. <i>Science in China Series D: Earth Sciences</i> , 1998, 41, 337-344.	0.9	9
88	Late quaternary benthic foraminifera and deep-water paleoceanography in the South China Sea. <i>Marine Micropaleontology</i> , 1997, 32, 127-154.	1.2	52