

Yi Ge Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,245
citations

361413

20
h-index

454955

30
g-index

42
all docs

42
docs citations

42
times ranked

2543
citing authors

#	ARTICLE	IF	CITATIONS
1	A 40-million-year history of atmospheric CO ₂ . Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20130096.	3.4	344
2	Past climates inform our future. Science, 2020, 370, .	12.6	253
3	Methane Index: A tetraether archaeal lipid biomarker indicator for detecting the instability of marine gas hydrates. Earth and Planetary Science Letters, 2011, 307, 525-534.	4.4	233
4	A 12-Million-Year Temperature History of the Tropical Pacific Ocean. Science, 2014, 344, 84-87.	12.6	227
5	Atmospheric CO ₂ over the Past 66 Million Years from Marine Archives. Annual Review of Earth and Planetary Sciences, 2021, 49, 609-641.	11.0	156
6	The DeepMIP contribution to PMIP4: methodologies for selection, compilation and analysis of latest Paleocene and early Eocene climate proxy data, incorporating version 0.1 of the DeepMIP database. Geoscientific Model Development, 2019, 12, 3149-3206.	3.6	131
7	Ring Index: A new strategy to evaluate the integrity of TEX ₈₆ paleothermometry. Paleoceanography, 2016, 31, 220-232.	3.0	121
8	High resolution hematite and goethite records from ODP 1143, South China Sea: Co-evolution of monsoonal precipitation and $\delta^{15}N$ over the past 600,000 years. Earth and Planetary Science Letters, 2007, 264, 136-150.	4.4	107
9	Mid-Pliocene Asian monsoon intensification and the onset of Northern Hemisphere glaciation. Geology, 2009, 37, 599-602.	4.4	85
10	Temperature and pH controls on glycerol dibiphytanyl glycerol tetraether lipid composition in the hyperthermophilic crenarchaeon Acidilobus sulfurreducens. Extremophiles, 2011, 15, 59-65.	2.3	83
11	An interlaboratory study of TEX ₈₆ and BIT analysis of sediments, extracts, and standard mixtures. Geochemistry, Geophysics, Geosystems, 2013, 14, 5263-5285.	2.5	76
12	Stable carbon isotope ratios of intact GDGTs indicate heterogeneous sources to marine sediments. Geochimica Et Cosmochimica Acta, 2016, 181, 18-35.	3.9	61
13	Monsoonal upwelling in the western Arabian Sea since the middle Miocene. Geology, 2017, 45, 655-658.	4.4	37
14	Improved efficiency of the biological pump as a trigger for the Late Ordovician glaciation. Nature Geoscience, 2018, 11, 510-514.	12.9	36
15	Low CO ₂ levels of the entire Pleistocene epoch. Nature Communications, 2019, 10, 4342.	12.8	36
16	Export Depth of the TEX ₈₆ Signal. Paleoceanography and Paleoclimatology, 2018, 33, 666-671.	2.9	34
17	Microbial and Geochronologic Constraints on the Neogene Paleotopography of Northern Tibetan Plateau. Geophysical Research Letters, 2019, 46, 1312-1319.	4.0	34
18	Clumped isotope thermometry of cryogenic cave carbonates. Geochimica Et Cosmochimica Acta, 2014, 126, 541-554.	3.9	31

#	ARTICLE	IF	CITATIONS
19	A long history of equatorial deep-water upwelling in the Pacific Ocean. <i>Earth and Planetary Science Letters</i> , 2017, 467, 1-9.	4.4	26
20	Methane hydrate dissociation across the Oligocene–Miocene boundary. <i>Nature Geoscience</i> , 2022, 15, 203-209.	12.9	25
21	Refining the alkenone-pCO ₂ method I: Lessons from the Quaternary glacial cycles. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 260, 177-191.	3.9	23
22	Refining the alkenone-pCO ₂ method II: Towards resolving the physiological parameter α^{b} . <i>Geochimica Et Cosmochimica Acta</i> , 2020, 281, 118-134.	3.9	20
23	An Early Pleistocene atmospheric CO ₂ record based on pedogenic carbonate from the Chinese loess deposits. <i>Earth and Planetary Science Letters</i> , 2015, 426, 69-75.	4.4	14
24	Evaluating Production of Cyclopentyl Tetraethers by Marine Group II Euryarchaeota in the Pearl River Estuary and Coastal South China Sea: Potential Impact on the TEX ₈₆ Paleothermometer. <i>Frontiers in Microbiology</i> , 2017, 8, 2077.	3.5	13
25	Aridity-driven decoupling of $\delta^{13}\text{C}$ between pedogenic carbonate and soil organic matter. <i>Geology</i> , 2020, 48, 981-985.	4.4	11
26	Constraining conifer physiological parameters in leaf gas-exchange models for ancient CO ₂ reconstruction. <i>Global and Planetary Change</i> , 2022, 209, 103737.	3.5	9
27	Response to Comment on “A 12-million-year temperature history of the tropical Pacific Ocean”. <i>Science</i> , 2014, 346, 1467-1467.	12.6	6
28	Proxies for paleo-oxygenation: A downcore comparison between benthic foraminiferal surface porosity and I/Ca. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 579, 110588.	2.3	6
29	Different temperature dependence of marine-derived brGDGT isomers in a sediment core from the Chukchi Sea shelf. <i>Organic Geochemistry</i> , 2021, 152, 104169.	1.8	3
30	Compound-Specific Isotope Analysis. <i>Encyclopedia of Earth Sciences Series</i> , 2017, , 1-4.	0.1	1