Jun Tian

List of Publications by Year in descending order

35 papers	1,863 citations	430442 18 h-index	360668 35 g-index
35 all docs	35 docs citations	35 times ranked	2154 citing authors

#	Article	IF	Citations
1	An astronomically dated record of Earthâ€™s climate and its predictability over the last 66 million years. Science, 2020, 369, 1383-1387.	6.0	791
2	Millennial-scale dynamics of the winter cold tongue in the southern South China Sea over the past 26 ka and the East Asian winter monsoon. Quaternary Research, 2011, 75, 196-204.	1.0	112
3	Interhemispheric symmetry of the tropical African rainbelt over the past 23,000 years. Nature Geoscience, 2011, 4, 42-45.	5.4	110
4	Major Pleistocene stages in a carbon perspective: The South China Sea record and its global comparison. Paleoceanography, 2004, 19, n/a-n/a.	3.0	90
5	Astronomically modulated Neogene sediment records from the South China Sea. Paleoceanography, 2008, 23, .	3.0	72
6	Xâ€ray fluorescence core scanning records of chemical weathering and monsoon evolution over the past 5 Myr in the southern South China Sea. Paleoceanography, 2011, 26, .	3.0	71
7	Simulation of long eccentricity (400-kyr) cycle in ocean carbon reservoir during Miocene Climate Optimum: Weathering and nutrient response to orbital change. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	65
8	Long-term cycles in the carbon reservoir of the Quaternary ocean: a perspective from the South China Sea. National Science Review, 2014, 1, 119-143.	4.6	62
9	Revisiting the Ceara Rise, equatorial Atlantic Ocean: isotope stratigraphy of ODP Leg 154 from 0 to 5â€Ma. Climate of the Past, 2017, 13, 779-793.	1.3	58
10	Quaternary upper ocean thermal gradient variations in the South China Sea: Implications for east Asian monsoon climate. Paleoceanography, 2005, 20, n/a-n/a.	3.0	54
11	Obliquity and long eccentricity pacing of the Middle Miocene climate transition. Geochemistry, Geophysics, Geosystems, 2013, 14, 1740-1755.	1.0	43
12	Late Miocene climate and time scale reconciliation: Accurate orbital calibration from a deep-sea perspective. Earth and Planetary Science Letters, 2017, 475, 254-266.	1.8	41
13	Paleoceanography of the east equatorial Pacific over the past 16 Myr and Pacificâ€“Atlantic comparison: High resolution benthic foraminiferal Î´18O and Î´13C records at IODP Site U1337. Earth and Planetary Science Letters, 2018, 499, 185-196.	1.8	30
14	Eastern equatorial Pacific cold tongue evolution since the late Miocene linked to extratropical climate. Science Advances, 2019, 5, eaau6060.	4.7	30
15	Synchronous mid-Miocene upper and deep oceanic Î´13C changes in the east equatorial Pacific linked to ocean cooling and ice sheet expansion. Earth and Planetary Science Letters, 2014, 406, 72-80.	1.8	24
16	Quaternary biogenic opal records in the South China Sea: Linkages to East Asian monsoon, global ice volume and orbital forcing. Science in China Series D: Earth Sciences, 2007, 50, 710-724.	0.9	23
17	Precession and glacial-cycle controls of monsoon precipitation isotope changes over East Asia during the Pleistocene. Earth and Planetary Science Letters, 2018, 494, 1-11.	1.8	23
18	Late Miocene to Holocene high-resolution eastern equatorial Pacific carbonate records: stratigraphy linked by dissolution and paleoproductivity. Climate of the Past, 2019, 15, 1715-1739.	1.3	21

#	Article	IF	Citations
19	Dole effect as a measurement of the low-latitude hydrological cycle over the past 800 ka. Science Advances, 2020, 6, .	4.7	19
20	Modeling the long-term variability of phytoplankton functional groups and primary productivity in the South China Sea. Journal of Oceanography, 2013, 69, 527-544.	0.7	17
21	Phytoplankton Community Structure at Subsurface Chlorophyll Maxima on the Western Arctic Shelf: Patterns, Causes, and Ecological Importance. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005570.	1.3	17
22	Simulation of export production and biological pump structure in the South China Sea. Geo-Marine Letters, 2014, 34, 541-554.	0.5	16
23	Calcium carbonate pump during Quaternary glacial cycles in the South China Sea. Science Bulletin, 2003, 48, 1862-1869.	1.7	14
24	Forcing mechanism of the Pleistocene east Asian monsoon variations in a phase perspective. Science in China Series D: Earth Sciences, 2005, 48, 1708-1717.	0.9	12
25	Modeling the contribution of dissolved organic carbon to carbon sequestration during the last glacial maximum. Geo-Marine Letters, 2014, 34, 471-482.	0.5	9
26	Pleistocene precession forcing of the upper ocean structure variations of the southern South China Sea*. Progress in Natural Science: Materials International, 2004, 14, 1004-1009.	1.8	7
27	Astronomically modulated late Pliocene equatorial Pacific climate transition and Northern Hemisphere ice sheet expansion. Science Bulletin, 2010, 55, 212-220.	1.7	7
28	Responses of foraminiferal isotopic variations at ODP Site 1143 in the southern South China Sea to orbital forcing. Science in China Series D: Earth Sciences, 2004, 47, 943-953.	0.9	5
29	Biochronostratigraphy of the western equatorial Atlantic for the last 1.93ÂMa. Quaternary International, 2021, 598, 24-37.	0.7	5
30	The Late Miocene Carbon Isotope Shift driven by synergetic terrestrial processes: A box-model study. Earth and Planetary Science Letters, 2022, 584, 117457.	1.8	4
31	Ice sheet and terrestrial input impacts on the 100-kyr ocean carbon cycle during the Middle Miocene. Global and Planetary Change, 2022, 208, 103723.	1.6	3
32	Carbon isotopic record of foraminifers in surface sediments from the South China Sea and its significance. Science Bulletin, 2005, 50, 162-166.	1.7	2
33	Melt-Water-Pulse (MWP) events and abrupt climate change of the last deglaciation. Science Bulletin, 2008, 53, 2867-2878.	4.3	2
34	Warming magnitude of Indonesian Throughflow during the penultimate deglaciation (Termination II) and its relationship with climate change in high-latitude regions. Science Bulletin, 2010, 55, 3709-3717.	1.7	2
35	Coherent variations of the obliquity components in global ice volume and ocean carbon reservoir over the past 5 Ma. Science China Earth Sciences, 2013, 56, 2160-2172.	2.3	2