

Xiao-Tong Zheng

List of Publications by Year in descending order

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65
papers

3,442
citations

218677

26
h-index

155660

55
g-index

65
all docs

65
docs citations

65
times ranked

4084
citing authors

#	ARTICLE	IF	CITATIONS
1	Interdecadal modulation of El Niño amplitude during the past millennium. <i>Nature Climate Change</i> , 2011, 1, 114-118.	18.8	287
2	Decadal Shift in El Niño Influences on Indo-Western Pacific and East Asian Climate in the 1970s*. <i>Journal of Climate</i> , 2010, 23, 3352-3368.	3.2	241
3	Hydrogen Bonding Interaction of Poly(d,l-Lactide)/hydroxyapatite Nanocomposites. <i>Chemistry of Materials</i> , 2007, 19, 247-253.	6.7	237
4	Shape memory properties of poly(d,l-lactide)/hydroxyapatite composites. <i>Biomaterials</i> , 2006, 27, 4288-4295.	11.4	216
5	Climate Phenomena and their Relevance for Future Regional Climate Change. , 2014, , 1217-1308.		202
6	Projected response of the Indian Ocean Dipole to greenhouse warming. <i>Nature Geoscience</i> , 2013, 6, 999-1007.	12.9	201
7	Changing El Niño Southern Oscillation in a warming climate. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 628-644.	29.7	197
8	Global Warming-Induced Changes in El Niño Teleconnections over the North Pacific and North America. <i>Journal of Climate</i> , 2014, 27, 9050-9064.	3.2	136
9	Indian Ocean Dipole Response to Global Warming: Analysis of Ocean-Atmospheric Feedbacks in a Coupled Model*. <i>Journal of Climate</i> , 2010, 23, 1240-1253.	3.2	122
10	Indian Ocean Dipole Response to Global Warming in the CMIP5 Multimodel Ensemble*. <i>Journal of Climate</i> , 2013, 26, 6067-6080.	3.2	121
11	Interdecadal Variations in ENSO Teleconnection to the Indo-Western Pacific for 1870-2007. <i>Journal of Climate</i> , 2012, 25, 1722-1744.	3.2	115
12	Shape memory effect of poly(d,l-lactide)/Fe ₃ O ₄ nanocomposites by inductive heating of magnetite particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 71, 67-72.	5.0	94
13	Water-induced shape-memory poly(d,l-lactide)/microcrystalline cellulose composites. <i>Carbohydrate Polymers</i> , 2014, 104, 101-108.	10.2	85
14	Indian Ocean variability in the CMIP5 multi-model ensemble: the zonal dipole mode. <i>Climate Dynamics</i> , 2014, 43, 1715-1730.	3.8	78
15	Intermodel Uncertainty in ENSO Amplitude Change Tied to Pacific Ocean Warming Pattern. <i>Journal of Climate</i> , 2016, 29, 7265-7279.	3.2	76
16	Interdecadal Variations in ENSO Influences on Northwest Pacific-East Asian Early Summertime Climate Simulated in CMIP5 Models. <i>Journal of Climate</i> , 2014, 27, 5982-5998.	3.2	64
17	Fast and Slow Responses to Global Warming: Sea Surface Temperature and Precipitation Patterns. <i>Journal of Climate</i> , 2014, 27, 285-299.	3.2	62
18	Response of ENSO amplitude to global warming in CESM large ensemble: uncertainty due to internal variability. <i>Climate Dynamics</i> , 2018, 50, 4019-4035.	3.8	60

#	ARTICLE	IF	CITATIONS
19	Indian Ocean Variability in the CMIP5 Multimodel Ensemble: The Basin Mode. <i>Journal of Climate</i> , 2013, 26, 7240-7266.	3.2	58
20	Response of the Indian Ocean Basin Mode and Its Capacitor Effect to Global Warming*. <i>Journal of Climate</i> , 2011, 24, 6146-6164.	3.2	57
21	Effect of polydopamine on the biomimetic mineralization of mussel-inspired calcium phosphate cement in vitro. <i>Materials Science and Engineering C</i> , 2014, 44, 44-51.	7.3	54
22	Pulse Electrochemical Driven Rapid Layer-by-Layer Assembly of Polydopamine and Hydroxyapatite Nanofilms via Alternative Redox <i>in Situ</i> Synthesis for Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 920-928.	5.2	52
23	Impact of Heating Anomalies Associated with Rainfall Variations over the Indo-Western Pacific on Asian Atmospheric Circulation in Winter. <i>Climate Dynamics</i> , 2013, 40, 2023-2033.	3.8	49
24	Eastern Pacific ITCZ Dipole and ENSO Diversity. <i>Journal of Climate</i> , 2018, 31, 4449-4462.	3.2	48
25	Coupled ocean-atmosphere dynamics of the 2017 extreme coastal El Niño. <i>Nature Communications</i> , 2019, 10, 298.	12.8	44
26	Importance of Ocean Dynamics for the Skewness of the Indian Ocean Dipole Mode*. <i>Journal of Climate</i> , 2013, 26, 2145-2159.	3.2	34
27	Effect of <i>in vitro</i> degradation of poly(D,L-lactide)/ β -tricalcium composite on its shape-memory properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 86B, 170-180.	3.4	32
28	<i>In situ</i> preparation and characterization of a novel gelatin/poly(D,L-lactide)/hydroxyapatite nanocomposite. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 181-190.	3.4	25
29	Recent progress in China in the study of ocean's role in climate variation. <i>Acta Oceanologica Sinica</i> , 2012, 31, 1-8.	1.0	24
30	Investigating Switchable Nanostructures in Shape Memory Process for Amphiphathic Janus Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36249-36258.	8.0	22
31	Uncertainty in Indian Ocean Dipole response to global warming: the role of internal variability. <i>Climate Dynamics</i> , 2018, 51, 3597-3611.	3.8	21
32	Eastern Pacific Wind Effect on the Evolution of El Niño: Implications for ENSO Diversity. <i>Journal of Climate</i> , 2020, 33, 3197-3212.	3.2	21
33	Copper/silver nanoparticle incorporated graphene films prepared by a low-temperature solution method for transparent conductive electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 174-180.	2.2	20
34	Reexamining the Indian Summer Monsoon Rainfall-ENSO Relationship From Its Recovery in the 21 st Century: Role of the Indian Ocean SST Anomaly Associated With Types of ENSO Evolution. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092873.	4.0	20
35	Global Influence of Tropical Pacific Variability with Implications for Global Warming Slowdown. <i>Journal of Climate</i> , 2017, 30, 2679-2695.	3.2	17
36	A decadal tropical Pacific condition unfavorable to central Pacific El Niño. <i>Geophysical Research Letters</i> , 2017, 44, 7919-7926.	4.0	17

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37	Equatorward shift of the South Asian high in response to anthropogenic forcing. <i>Theoretical and Applied Climatology</i> , 2015, 119, 113-122.	2.8	16
38	Indo-Pacific Climate Modes in Warming Climate: Consensus and Uncertainty Across Model Projections. <i>Current Climate Change Reports</i> , 2019, 5, 308-321.	8.6	16
39	Effects of Ocean Slow Response under Low Warming Targets. <i>Journal of Climate</i> , 2020, 33, 477-496.	3.2	16
40	Self-Powered Nanocomposites under an External Rotating Magnetic Field for Noninvasive External Power Supply Electrical Stimulation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38323-38335.	8.0	15
41	Shape Memory Actuation of Janus Nanoparticles with Amphipathic Cross-Linked Network. <i>ACS Macro Letters</i> , 2016, 5, 1317-1321.	4.8	14
42	Intensification of El Niño Rainfall Variability Over the Tropical Pacific in the Slow Oceanic Response to Global Warming. <i>Geophysical Research Letters</i> , 2019, 46, 2253-2260.	4.0	14
43	Unusual Anomaly Pattern of the 2015/2016 Extreme El Niño Induced by the 2014 Warm Condition. <i>Geophysical Research Letters</i> , 2019, 46, 14772-14781.	4.0	14
44	The Southwest Indian Ocean thermocline dome in CMIP5 models: Historical simulation and future projection. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 489-503.	4.3	13
45	Intrinsically Stretchable and Shape Memory Conducting Nanofiber for Programmable Flexible Electronic Films. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48202-48211.	8.0	13
46	Supercooling Self-Assembly of Magnetic Shelled Core/Shell Supraparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23969-23977.	8.0	12
47	Disentangling the Changes in the Indian Ocean Dipole-Related SST and Rainfall Variability under Global Warming in CMIP5 Models. <i>Journal of Climate</i> , 2019, 32, 3803-3818.	3.2	12
48	Seasonal Dependency of Tropical Precipitation Change under Global Warming. <i>Journal of Climate</i> , 2020, 33, 7897-7908.	3.2	12
49	High-scale yield of nano hydroxyapatite through combination of mechanical activation and chemical dispersion. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 83.	3.6	8
50	Dynamics of Southern Hemisphere Atmospheric Circulation Response to Anthropogenic Aerosol Forcing. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089919.	4.0	8
51	CMIP6 Intermodel Spread in Interhemispheric Asymmetry of Tropical Climate Response to Greenhouse Warming: Extratropical Ocean Effects. <i>Journal of Climate</i> , 2022, , 1-49.	3.2	7
52	Extraction and composition characterisation of amino acids from tung meal. <i>Natural Product Research</i> , 2016, 30, 849-852.	1.8	5
53	Response of seasonal phase locking of Indian Ocean Dipole to global warming. <i>Climate Dynamics</i> , 2021, 57, 2737-2751.	3.8	5
54	Slow ocean response and the 1.5 and 2°C warming targets. <i>Chinese Science Bulletin</i> , 2018, 63, 558-570.	0.7	5

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55	Decadal Variability of the Upper-Ocean Salinity in the Southeast Indian Ocean: Role of Local Ocean-Atmosphere Dynamics. <i>Journal of Climate</i> , 2021, 34, 7927-7942.	3.2	5
56	Indian Ocean Dipole response to global warming: A multi-member study with CCSM4. <i>Journal of Ocean University of China</i> , 2013, 12, 209-215.	1.2	4
57	The role of barrier layer in southeastern Arabian Sea during the development of positive Indian Ocean Dipole events. <i>Journal of Ocean University of China</i> , 2013, 12, 245-252.	1.2	4
58	Relationships of interannual variability between the equatorial Pacific and tropical Indian Ocean in 17 CMIP5 models. <i>Journal of Ocean University of China</i> , 2013, 12, 237-244.	1.2	3
59	The 30-50-Day Intraseasonal Oscillation of SST and Precipitation in the South Tropical Indian Ocean. <i>Atmosphere</i> , 2018, 9, 69.	2.3	3
60	Precise Control of Shape-Variable Nanomicelles in Nanofibers Reveals the Enhancement Mechanism of Passive Delivery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54715-54726.	8.0	3
61	Influence of El Niño events on sea surface salinity over the central equatorial Indian Ocean. <i>Environmental Research</i> , 2020, 182, 109097.	7.5	2
62	Influence of South Tropical Indian Ocean dynamics on the Indian summer monsoon. , 2021, , 183-196.		2
63	Surface temperature variability in climate models with large and small internal climate variability. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 3004-3016.	2.7	1
64	Response of the positive Indian Ocean dipole to climate change and impact on Indian summer monsoon rainfall. , 2021, , 413-432.		1
65	Effect of Crystallizable Organic Molecules with Hydroxyl Groups on Iron Oxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 12563-12572.	0.9	0