Xiaoming Wang

List of Publications by Year in descending order

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69	3,642	159585 30	133252 59
papers	citations	h-index	g-index

71	71	71	3721
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of glaciers on the annual catchment water balance within BudykoÂframework. Advances in Climate Change Research, 2022, 13, 51-62.	5.1	8
2	Snow cover loss compounding the future economic vulnerability of western China. Science of the Total Environment, 2021, 755, 143025.	8.0	20
3	Snow cover controls seasonally frozen ground regime on the southern edge of Altai Mountains. Agricultural and Forest Meteorology, 2021, 297, 108271.	4.8	18
4	Glacial change and hydrological implications in the Himalaya and Karakoram. Nature Reviews Earth & Environment, 2021, 2, 91-106.	29.7	182
5	Sustained sustainable development actions of China from 1986 to 2020. Scientific Reports, 2021, 11, 8008.	3.3	12
6	Cryospheric water regime by its functions and services in China. Advances in Climate Change Research, 2021, 12, 430-443.	5.1	6
7	Transboundary water scarcity under climate change. Journal of Hydrology, 2021, 598, 126453.	5.4	8
8	Energy and Carbon Emission. , 2021, , 75-92.		0
9	Climate Change and Built Environment. , 2021, , 47-73.		0
10	Resilience and Adaptation in Buildings. , 2021, , 145-166.		0
11	Spatial and temporal variations of refractory black carbon along the transect from Zhongshan Station to Dome A, eastern Antarctica. Atmospheric Environment, 2020, 242, 117816.	4.1	4
12	Reflections on coastal inundation, climate change impact, and adaptation in built environment: progresses and constraints. Advances in Climate Change Research, 2020, 11, 317-331.	5.1	22
13	Climate and hydrological changes in the Ob River Basin during 1936â€“2017. Hydrological Processes, 2020, 34, 1821-1836.	2.6	19
14	Drought disaster risks under CMIP5 RCP scenarios in Ningxia Hui Autonomous Region, China. Natural Hazards, 2020, 100, 909-931.	3.4	6
15	Characterization, sources and transport of dissolved organic carbon and nitrogen from a glacier in the Central Asia. Science of the Total Environment, 2020, 725, 138346.	8.0	21
16	Soil thermal regime alteration under experimental warming in permafrost regions of the central Tibetan Plateau. Geoderma, 2020, 372, 114397.	5.1	16
17	Identifying the trade-offs between climate change mitigation and adaptation in urban land use planning: An empirical study in a coastal city. Environment International, 2019, 133, 105162.	10.0	36
18	Valuating service loss of snow cover in Irtysh River Basin. Advances in Climate Change Research, 2019, 10, 109-114.	5.1	20

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19	A new look at roles of the cryosphere in sustainable development. Advances in Climate Change Research, 2019, 10, 124-131.	5.1	32
20	Water balance change and its implications to vegetation in the Tarim River Basin, Central Asia. Quaternary International, 2019, 523, 25-36.	1.5	17
21	Experimental Research on Using Form-stable PCM-Integrated Cementitious Composite for Reducing Overheating in Buildings. Buildings, 2019, 9, 57.	3.1	21
22	Understanding changes in the water budget driven by climate change in cryospherica€dominated watershed of the northeast Tibetan Plateau, China. Hydrological Processes, 2019, 33, 1040-1058.	2.6	18
23	Thermal performance of buildings integrated with phase change materials to reduce heat stress risks during extreme heatwave events. Applied Energy, 2017, 194, 410-421.	10.1	181
24	Guided waves for damage identification in pipeline structures: A review. Structural Control and Health Monitoring, 2017, 24, e2007.	4.0	72
25	Application of Phase Change Materials to Reduce Heat Related Risks During Extreme Heat Waves in Australian Dwellings. Energy Procedia, 2016, 88, 725-731.	1.8	8
26	Parametric analysis for performance enhancement of phase change materials in naturally ventilated buildings. Energy and Buildings, 2016, 124, 35-45.	6.7	57
27	A Bayesian Network-Based Risk Assessment Framework for the Impact of Climate Change on Infrastructure. , 2016, , .		0
28	The effects of high temperature on cardiovascular admissions in the most populous tropical city in Vietnam. Environmental Pollution, 2016, 208, 33-39.	7.5	61
29	Exploration of the health risk-based definition for heatwave: A multi-city study. Environmental Research, 2015, 142, 696-702.	7.5	60
30	The Impacts of Heatwaves on Mortality Differ with Different Study Periods: A Multi-City Time Series Investigation. PLoS ONE, 2015, 10, e0134233.	2.5	19
31	Adaptation benefits and costs of raising coastal buildings under storm-tide inundation in South East Queensland, Australia. Climatic Change, 2015, 132, 545-558.	3.6	8
32	Unusually cold and dry winters increase mortality in Australia. Environmental Research, 2015, 136, 1-7.	7.5	26
33	Summer cooling potential of urban vegetationâ€"a modeling study for Melbourne, Australia. AIMS Environmental Science, 2015, 2, 648-667.	1.4	8
34	Direct and Indirect Cost-and-Benefit Assessment of Climate Adaptation Strategies for Housing for Extreme Wind Events in Queensland. Natural Hazards Review, 2014, 15, .	1.5	37
35	The impact of heatwaves on mortality in Australia: a multicity study. BMJ Open, 2014, 4, e003579.	1.9	80
36	Constructing weather data for building simulation considering urban heat island. Building Services Engineering Research and Technology, 2014, 35, 69-82.	1.8	22

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37	Heat stress within energy efficient dwellings in Australia. Architectural Science Review, 2014, 57, 227-236.	2.2	44
38	The Impact of Temperature Variability on Years of Life Lost. Epidemiology, 2014, 25, 313-314.	2.7	10
39	Extreme wind gust hazard in Australia and its sensitivity to climate change. Natural Hazards, 2013, 67, 549-567.	3.4	42
40	Multi-criteria heatwave vulnerability assessment of residential wall systems. Energy and Buildings, 2013, 66, 373-383.	6.7	6
41	Influence of global warming on durability of corroding RC structures: A probabilistic approach. Engineering Structures, 2013, 51, 259-266.	5.3	101
42	Probabilistic Fatigue Assessment Based on Bayesian Learning for Wind-Excited Long-Span Bridges Installed with WASHMS. International Journal of Distributed Sensor Networks, 2013, 9, 871368.	2.2	2
43	Managing the Health Effects of Temperature in Response to Climate Change: Challenges Ahead. Environmental Health Perspectives, 2013, 121, 415-419.	6.0	95
44	Climate Change Impacts on Housing Energy Consumption and its Adaptation Pathways. Springer Environmental Science and Engineering, 2013, , 207-221.	0.1	0
45	A reliability assessment of railway track buckling during an extreme heatwave. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2012, 226, 513-517.	2.0	15
46	Effects of Extreme Temperatures on Years of Life Lost for Cardiovascular Deaths: A Time Series Study in Brisbane, Australia. Circulation: Cardiovascular Quality and Outcomes, 2012, 5, 609-614.	2.2	97
47	Vulnerability of timber in ground contact to fungal decay under climate change. Climatic Change, 2012, 115, 777-794.	3.6	21
48	The impact of temperature on years of life lost in Brisbane, Australia. Nature Climate Change, 2012, 2, 265-270.	18.8	123
49	Selection of climatic variables and time scales for future weather preparation in building heating and cooling energy predictions. Energy and Buildings, 2012, 51, 223-233.	6.7	19
50	Climate change adaptation for corrosion control of concrete infrastructure. Structural Safety, 2012, 35, 29-39.	5.3	131
51	Impact of climate change on corrosion and damage to concrete infrastructure in Australia. Climatic Change, 2012, 110, 941-957.	3.6	80
52	Constraints and Barriers to Public Health Adaptation to Climate Change. American Journal of Preventive Medicine, 2011, 40, 183-190.	3.0	147
53	Global warming and its implication to emission reduction strategies forÂresidential buildings. Building and Environment, 2011, 46, 871-883.	6.9	59
54	Climate change adaptation pathways for Australian residential buildings. Building and Environment, 2011, 46, 2398-2412.	6.9	90

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55	Climate change impact and risks of concrete infrastructure deterioration. Engineering Structures, 2011, 33, 1326-1337.	5.3	261
56	Stochastic damage detection method for building structures with parametric uncertainties. Journal of Sound and Vibration, 2011, 330, 4725-4737.	3.9	21
57	Projecting Future Heat-Related Mortality under Climate Change Scenarios: A Systematic Review. Environmental Health Perspectives, 2011, 119, 1681-1690.	6.0	323
58	Assessment of climate change impact on residential building heating and cooling energy requirement in Australia. Building and Environment, 2010, 45, 1663-1682.	6.9	276
59	Conjunctive and compromised data fusion schemes for identification of multiple notches in an aluminium plate using lamb wave signals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2005-2016.	3.0	16
60	Predicting delamination of composite laminates using an imaging approach. Smart Materials and Structures, 2009, 18, 074002.	3.5	75
61	On Selection of Data Fusion Schemes for Structural Damage Evaluation. Structural Health Monitoring, 2009, 8, 223-241.	7.5	52
62	A method to identify strategies for the improvement of human safety behavior by considering safety climate and personal experience. Safety Science, 2008, 46, 1406-1419.	4.9	190
63	A hierarchical data fusion scheme for identifying multi-damage in composite structures with a built-in sensor network. Smart Materials and Structures, 2007, 16, 2067-2079.	3.5	19
64	An approach to modelling concrete bridge condition deterioration using a statistical causal relationship based on inspection data. Structure and Infrastructure Engineering, 2007, 3, 3-15.	3.7	11
65	Abuilt-inactive sensor network for health monitoring of composite structures. Smart Materials and Structures, 2006, 15, 1939-1949.	3.5	95
66	Simulations of microwave propagation in delaminated unidirectional glassâ€“epoxy laminate. Composite Structures, 2006, 75, 422-427.	5.8	8
67	Hierarchical development of training database for artificial neural network-based damage identification. Composite Structures, 2006, 76, 224-233.	5.8	20
68	Multilevel Decision Fusion in a Distributed Active Sensor Network for Structural Damage Detection. Structural Health Monitoring, 2006, 5, 45-58.	7.5	37
69	Modelling mechanical properties of coreâ€“shell rubber-modified epoxies. Acta Materialia, 2000, 48, 579-586.	7.9	31