

Jinxin Zhu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

860
citations

14
h-index

28
g-index

57
ext. papers

1,127
ext. citations

6.1
avg, IF

4.95
L-index

#	Paper	IF	Citations
48	Adapting to Changing Labor Productivity as a Result of Intensified Heat Stress in a Changing Climate. <i>GeoHealth</i> , 2021 , 5, e2020GH000313	5	2
47	A Factorial Ecological-Extended Physical Input-Output Model for Identifying Optimal Urban Solid Waste Path in Fujian Province, China. <i>Sustainability</i> , 2021 , 13, 8341	3.6	0
46	Review of aquatic toxicity of pharmaceuticals and personal care products to algae. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124619	12.8	18
45	Machine learning approaches for improving near-real-time IMERG rainfall estimates by integrating Cloud Properties from NOAA CDR PATMOSX. <i>Journal of Hydrometeorology</i> , 2021 ,	3.7	1
44	Upholding labor productivity with intensified heat stress: Robust planning for adaptation to climate change under uncertainty. <i>Journal of Cleaner Production</i> , 2021 , 322, 129083	10.3	0
43	Multi-regional industrial wastewater metabolism analysis for the Yangtze River Economic Belt, China. <i>Environmental Pollution</i> , 2021 , 284, 117118	9.3	2
42	Editorial Overview: Emissions of Microplastics and Their Control in the Environment. <i>Journal of Environmental Engineering, ASCE</i> , 2021 , 147, 01821002	2	3
41	Identification of Policies Based on Assessment-Optimization Model to Confront Vulnerable Resources System with Large Population Scale in a Big City.. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	3
40	Functional PVDF ultrafiltration membrane for Tetrabromobisphenol-A (TBBPA) removal with high water recovery. <i>Water Research</i> , 2020 , 181, 115952	12.5	13
39	Exploring the biophysicochemical alteration of green alga <i>Asterococcus superbis</i> interactively affected by nanoparticles, triclosan and illumination. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122855	12.8	7
38	Immobilization of TBBPA on pyrogenic carbon subjected to natural organic matter under freeze-thawing conditions: insights into surface functionalization, coverage processes and binding affinity. <i>Environmental Science: Nano</i> , 2020 , 7, 472-485	7.1	5
37	Projected Changes in Abrupt Shifts Between Dry and Wet Extremes Over China Through an Ensemble of Regional Climate Model Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD033894	4.4	4
36	Assessment of climate change impacts on energy capacity planning in Ontario, Canada using high-resolution regional climate model. <i>Journal of Cleaner Production</i> , 2020 , 274, 123026	10.3	5
35	Probabilistic Projections of Hydrological Droughts Through Convection-Permitting Climate Simulations and Multimodel Hydrological Predictions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032914	4.4	5
34	Amplified or exaggerated changes in perceived temperature extremes under global warming. <i>Climate Dynamics</i> , 2020 , 54, 117-127	4.2	12
33	Insights into Long-Term Toxicity of Triclosan to Freshwater Green Algae in Lake Erie. <i>Environmental Science & Technology</i> , 2019 , 53, 2189-2198	10.3	37
32	Market-based stochastic optimization of water resources systems for improving drought resilience and economic efficiency in arid regions. <i>Journal of Cleaner Production</i> , 2019 , 233, 522-537	10.3	20

31	Analyzing the Biochemical Alteration of Green Algae During Chronic Exposure to Triclosan Based on Synchrotron-Based Fourier Transform Infrared Spectromicroscopy. <i>Analytical Chemistry</i> , 2019 , 91, 7798-7806	7.8	7
30	Assessing Climate Change Impacts on Human-Perceived Temperature Extremes and Underlying Uncertainties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 3800-3821	4.4	18
29	Future projections of temperature changes in Ottawa, Canada through stepwise clustered downscaling of multiple GCMs under RCPs. <i>Climate Dynamics</i> , 2019 , 52, 3455-3470	4.2	14
28	Interactive Toxicity of Triclosan and Nano-TiO to Green Alga in Lake Erie: A New Perspective Based on Fourier Transform Infrared Spectromicroscopy and Synchrotron-Based X-ray Fluorescence Imaging. <i>Environmental Science & Technology</i> , 2019 , 53, 9884-9894	10.3	32
27	Risk Aversion Based Inexact Stochastic Dynamic Programming Approach for Water Resources Management Planning under Uncertainty. <i>Sustainability</i> , 2019 , 11, 6926	3.6	4
26	A sustainable water-food-energy plan to confront climatic and socioeconomic changes using simulation-optimization approach. <i>Applied Energy</i> , 2019 , 236, 743-759	10.7	32
25	Wastewater treatment in amine-based carbon capture. <i>Chemosphere</i> , 2019 , 222, 742-756	8.4	11
24	Climate warming will not decrease perceived low-temperature extremes in China. <i>Climate Dynamics</i> , 2019 , 52, 5641-5656	4.2	8
23	Removal of Tetrabromobisphenol A by adsorption on pinecone-derived activated charcoals: Synchrotron FTIR, kinetics and surface functionality analyses. <i>Bioresource Technology</i> , 2018 , 247, 812-820 ¹¹		75
22	Water Resources and Farmland Management in the Songhua River Watershed under Interval and Fuzzy Uncertainties. <i>Water Resources Management</i> , 2018 , 32, 4177-4200	3.7	7
21	Evolution of the Scientific Literature on Input-Output Analysis: A Bibliometric Analysis of 1990-2017. <i>Sustainability</i> , 2018 , 10, 3135	3.6	8
20	High-resolution projections of mean and extreme precipitations over China through PRECIS under RCPs. <i>Climate Dynamics</i> , 2018 , 50, 4037-4060	4.2	18
19	High-resolution projections of 21st century climate over the Athabasca River Basin through an integrated evaluation-classification-downscaling-based climate projection framework. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 2595-2615	4.4	10
18	Investigation of Changes in Extreme Temperature and Humidity Over China Through a Dynamical Downscaling Approach. <i>Earth's Future</i> , 2017 , 5, 1136-1155	7.9	11
17	Contract-out planning of solid waste management system under uncertainty: Case study on Toronto, Ontario, Canada. <i>Journal of Cleaner Production</i> , 2017 , 168, 1370-1380	10.3	10
16	Recursive multivariate principal-monotonicity inferential climate downscaling. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017 , 143, 2780-2796	6.4	5
15	Climate classification through recursive multivariate statistical inferences: a case study of the Athabasca River Basin, Canada. <i>International Journal of Climatology</i> , 2017 , 37, 1001-1012	3.5	8
14	Emerging usage of electrocoagulation technology for oil removal from wastewater: A review. <i>Science of the Total Environment</i> , 2017 , 579, 537-556	10.2	211

13	Factorial fuzzy programming for planning water resources management systems. <i>Journal of Environmental Planning and Management</i> , 2016 , 59, 1855-1872	2.8	6
12	Waste Management Model Associated with Public-Private Partnership in Hamilton, Ontario, Canada. <i>Journal of Environmental Engineering, ASCE</i> , 2016 , 142, 04015086	2	4
11	Water resources management under dual uncertainties: a factorial fuzzy two-stage stochastic programming approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 795-811	3.5	21
10	Phenanthrene Sorption on Palygorskite Modified with Gemini Surfactants: Insights from Modeling Studies and Effects of Aqueous Solution Chemistry. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	12
9	Inexact fuzzy integer chance constraint programming approach for noise control within an urban environment. <i>Engineering Optimization</i> , 2016 , 48, 1350-1364	2	2
8	Insight into sorption mechanism of phenanthrene onto gemini modified palygorskite through a multi-level fuzzy-factorial inference approach. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016 , 51, 759-68	2.3	6
7	Enhancement of soil retention for phenanthrene in binary cationic gemini and nonionic surfactant mixtures: characterizing two-step adsorption and partition processes through experimental and modeling approaches. <i>Journal of Hazardous Materials</i> , 2015 , 286, 144-51	12.8	32
6	Municipal solid waste management planning considering greenhouse gas emission trading under fuzzy environment. <i>Journal of Environmental Management</i> , 2014 , 135, 11-8	7.9	21
5	Inexact two-stage stochastic credibility constrained programming for water quality management. <i>Resources, Conservation and Recycling</i> , 2013 , 73, 122-132	11.9	63
4	Robust Planning of Environmental Management Systems with Adjustable Conservativeness under Compound Uncertainty. <i>Journal of Environmental Engineering, ASCE</i> , 2012 , 138, 208-222	2	8
3	An evaluation of grid size uncertainty in empirical soil loss modeling with digital elevation models. <i>Environmental Modeling and Assessment</i> , 2005 , 10, 33-42	2	48
2	Increased occurrence of daylight hot extremes in a warming climate. <i>Climate Dynamics</i> , 1	4.2	0
1	A weighted ensemble of regional climate projections for exploring the spatiotemporal evolution of multidimensional drought risks in a changing climate. <i>Climate Dynamics</i> , 1	4.2	1