

Jinxin Zhu

List of Publications by Year in descending order

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56
papers

1,412
citations

430442

18
h-index

344852

36
g-index

57
all docs

57
docs citations

57
times ranked

1387
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging usage of electrocoagulation technology for oil removal from wastewater: A review. <i>Science of the Total Environment</i> , 2017, 579, 537-556.	3.9	309
2	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.	4.8	103
3	Inexact two-stage stochastic credibility constrained programming for water quality management. <i>Resources, Conservation and Recycling</i> , 2013, 73, 122-132.	5.3	74
4	Review of aquatic toxicity of pharmaceuticals and personal care products to algae. <i>Journal of Hazardous Materials</i> , 2021, 410, 124619.	6.5	73
5	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.	1.2	64
6	Insights into Long-Term Toxicity of Triclosan to Freshwater Green Algae in Lake Erie. <i>Environmental Science & Technology</i> , 2019, 53, 2189-2198.	4.6	59
7	Interactive Toxicity of Triclosan and Nano-TiO ₂ to Green Alga <i>Eremosphaera viridis</i> 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.	4.6	54
8	A sustainable water-food-energy plan to confront climatic and socioeconomic changes using simulation-optimization approach. <i>Applied Energy</i> , 2019, 236, 743-759.	5.1	49
9	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, 144-151.	6.5	40
10	Functional PVDF ultrafiltration membrane for Tetrabromobisphenol-A (TBBPA) removal with high water recovery. <i>Water Research</i> , 2020, 181, 115952.	5.3	34
11	Assessing Climate Change Impacts on Human-Perceived Temperature Extremes and Underlying Uncertainties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3800-3821.	1.2	31
12	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.	1.2	31
13	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.	4.6	29
14	Municipal solid waste management planning considering greenhouse gas emission trading under fuzzy environment. <i>Journal of Environmental Management</i> , 2014, 135, 11-18.	3.8	26
15	High-resolution projections of mean and extreme precipitations over China through PRECIS under RCPs. <i>Climate Dynamics</i> , 2018, 50, 4037-4060.	1.7	26
16	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.	1.7	25
17	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.	1.9	24
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.	2.4	21

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19	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.	4.6	19
20	Evolution of the Scientific Literature on Input–Output Analysis: A Bibliometric Analysis of 1990–2017. <i>Sustainability</i> , 2018, 10, 3135.	1.6	17
21	Wastewater treatment in amine-based carbon capture. <i>Chemosphere</i> , 2019, 222, 742-756.	4.2	17
22	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.	1.2	16
23	Comprehensive assessment of <scp>CMIP5</scp> and <scp>CMIP6</scp> models in simulating and projecting precipitation over the global land. <i>International Journal of Climatology</i> , 2022, 42, 6859-6875.	1.5	16
24	Amplified or exaggerated changes in perceived temperature extremes under global warming. <i>Climate Dynamics</i> , 2020, 54, 117-127.	1.7	15
25	Exploring the biophysicochemical alteration of green alga <i>Asterococcus superbus</i> interactively affected by nanoparticles, triclosan and illumination. <i>Journal of Hazardous Materials</i> , 2020, 398, 122855.	6.5	15
26	Multi-regional industrial wastewater metabolism analysis for the Yangtze River Economic Belt, China. <i>Environmental Pollution</i> , 2021, 284, 117118.	3.7	15
27	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.	1.5	14
28	Water Resources and Farmland Management in the Songhua River Watershed under Interval and Fuzzy Uncertainties. <i>Water Resources Management</i> , 2018, 32, 4177-4200.	1.9	14
29	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.	1.1	13
30	Climate warming will not decrease perceived low-temperature extremes in China. <i>Climate Dynamics</i> , 2019, 52, 5641-5656.	1.7	12
31	Editorial Overview: Emissions of Microplastics and Their Control in the Environment. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	0.7	11
32	Amplification Effect of Urbanization on Atmospheric Aridity Over China Under Past Global Warming. <i>Earth's Future</i> , 2022, 10, .	2.4	11
33	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.	4.6	10
34	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.	3.2	10
35	Adapting to Changing Labor Productivity as a Result of Intensified Heat Stress in a Changing Climate. <i>GeoHealth</i> , 2021, 5, e2020GH000313.	1.9	10
36	A Vine Copula–Based Polynomial Chaos Framework for Improving Multi–Model Hydroclimatic Projections at a Multi–Decadal Convection–Permitting Scale. <i>Water Resources Research</i> , 2022, 58, .	1.7	10

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37	Robust Planning of Environmental Management Systems with Adjustable Conservativeness under Compound Uncertainty. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 208-222.	0.7	8
38	Factorial fuzzy programming for planning water resources management systems. <i>Journal of Environmental Planning and Management</i> , 2016, 59, 1855-1872.	2.4	8
39	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.	1.2	8
40	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, 13097.	1.2	8
41	Environmental concern on biochar: capture, then what?. <i>Environmental Earth Sciences</i> , 2015, 74, 7861-7863.	1.3	7
42	Increased occurrence of day-night hot extremes in a warming climate. <i>Climate Dynamics</i> , 2022, 59, 1297-1307.	1.7	7
43	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, 759-768.	0.9	6
44	Waste Management Model Associated with Public-Private Partnership in Hamilton, Ontario, Canada. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	6
45	Recursive multivariate principal-monotonicity inferential climate downscaling. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 2780-2796.	1.0	6
46	A weighted ensemble of regional climate projections for exploring the spatiotemporal evolution of multidimensional drought risks in a changing climate. <i>Climate Dynamics</i> , 2022, 58, 49-68.	1.7	6
47	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.	2.2	5
48	Higher Temperature Enhances Spatiotemporal Concentration of Rainfall. <i>Journal of Hydrometeorology</i> , 2021, 22, 3159-3169.	0.7	5
49	Risk Aversion Based Inexact Stochastic Dynamic Programming Approach for Water Resources Management Planning under Uncertainty. <i>Sustainability</i> , 2019, 11, 6926.	1.6	4
50	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.	4.6	4
51	Inexact fuzzy integer chance constraint programming approach for noise control within an urban environment. <i>Engineering Optimization</i> , 2016, 48, 1350-1364.	1.5	3
52	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.	1.6	2
53	Simulation of Pollutant Release from Submerged Soil in the New-Built Baohe Reservoir. , 2009, , .		1
54	Machine learning approaches for improving near-real-time IMERG rainfall estimates by integrating Cloud Properties from NOAA CDR PATMOX. <i>Journal of Hydrometeorology</i> , 2021, , .	0.7	1

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55	Identification of Strategies for Adaptation Planning to Extreme Events under Climate Change. , 2009, , .		0
56	Canadian Energy System Management under Climate Change Conditions. , 2019, , .		0