Jinxin Zhu

List of Publications by Citations

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	Emerging usage of electrocoagulation technology for oil removal from wastewater: A review. *Science of the Total Environment*, **2017**, 579, 537-556	10.2	211
47	Removal of Tetrabromobisphenol A by adsorption on pinecone-derived activated charcoals: Synchrotron FTIR, kinetics and surface functionality analyses. *Bioresource Technology*, **2018**, 247, 812-820	11	75
46	Inexact two-stage stochastic credibility constrained programming for water quality management. *Resources, Conservation and Recycling*, **2013**, 73, 122-132	11.9	63
45	An evaluation of grid size uncertainty in empirical soil loss modeling with digital elevation models. *Environmental Modeling and Assessment*, **2005**, 10, 33-42	2	48
44	Insights into Long-Term Toxicity of Triclosan to Freshwater Green Algae in Lake Erie. *Environmental Science & Technology*, **2019**, 53, 2189-2198	10.3	37
43	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. *Environmental Science & Technology*, **2019**, 53, 9884-9894	10.3	32
42	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. *Journal of Hazardous Materials*, **2015**, 286, 144-51	12.8	32
41	A sustainable water-food-energy plan to confront climatic and socioeconomic changes using simulation-optimization approach. *Applied Energy*, **2019**, 236, 743-759	10.7	32
40	Water resources management under dual uncertainties: a factorial fuzzy two-stage stochastic programming approach. *Stochastic Environmental Research and Risk Assessment*, **2016**, 30, 795-811	3.5	21
39	Municipal solid waste management planning considering greenhouse gas emission trading under fuzzy environment. *Journal of Environmental Management*, **2014**, 135, 11-8	7.9	21
38	Market-based stochastic optimization of water resources systems for improving drought resilience and economic efficiency in arid regions. *Journal of Cleaner Production*, **2019**, 233, 522-537	10.3	20
37	Assessing Climate Change Impacts on Human-Perceived Temperature Extremes and Underlying Uncertainties. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 3800-3821	4.4	18
36	Review of aquatic toxicity of pharmaceuticals and personal care products to algae. *Journal of Hazardous Materials*, **2021**, 410, 124619	12.8	18
35	High-resolution projections of mean and extreme precipitations over China through PRECIS under RCPs. *Climate Dynamics*, **2018**, 50, 4037-4060	4.2	18
34	Future projections of temperature changes in Ottawa, Canada through stepwise clustered downscaling of multiple GCMs under RCPs. *Climate Dynamics*, **2019**, 52, 3455-3470	4.2	14
33	Functional PVDF ultrafiltration membrane for Tetrabromobisphenol-A (TBBPA) removal with high water recovery. *Water Research*, **2020**, 181, 115952	12.5	13
32	Phenanthrene Sorption on Palygorskite Modified with Gemini Surfactants: Insights from Modeling Studies and Effects of Aqueous Solution Chemistry. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	12

31	Amplified or exaggerated changes in perceived temperature extremes under global warming. *Climate Dynamics*, **2020**, 54, 117-127	4.2	12
30	Investigation of Changes in Extreme Temperature and Humidity Over China Through a Dynamical Downscaling Approach. *Earthls Future*, **2017**, 5, 1136-1155	7.9	11
29	Wastewater treatment in amine-based carbon capture. *Chemosphere*, **2019**, 222, 742-756	8.4	11
28	High-resolution projections of 21st century climate over the Athabasca River Basin through an integrated evaluation-classification-downscaling-based climate projection framework. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 2595-2615	4.4	10
27	Contract-out planning of solid waste management system under uncertainty: Case study on Toronto, Ontario, Canada. *Journal of Cleaner Production*, **2017**, 168, 1370-1380	10.3	10
26	Climate classification through recursive multivariate statistical inferences: a case study of the Athabasca River Basin, Canada. *International Journal of Climatology*, **2017**, 37, 1001-1012	3.5	8
25	Robust Planning of Environmental Management Systems with Adjustable Conservativeness under Compound Uncertainty. *Journal of Environmental Engineering, ASCE*, **2012**, 138, 208-222	2	8
24	Climate warming will not decrease perceived low-temperature extremes in China. *Climate Dynamics* , **2019**, 52, 5641-5656	4.2	8
23	Evolution of the Scientific Literature on Input□Output Analysis: A Bibliometric Analysis of 1990□2017. *Sustainability*, **2018**, 10, 3135	3.6	8
22	Analyzing the Biochemical Alteration of Green Algae During Chronic Exposure to Triclosan Based on Synchrotron-Based Fourier Transform Infrared Spectromicroscopy. *Analytical Chemistry*, **2019**, 91, 7798-7806	7.8	7
21	Exploring the biophysicochemical alteration of green alga Asterococcus superbus interactively affected by nanoparticles, triclosan and illumination. *Journal of Hazardous Materials*, **2020**, 398, 122855	12.8	7
20	Water Resources and Farmland Management in the Songhua River Watershed under Interval and Fuzzy Uncertainties. *Water Resources Management*, **2018**, 32, 4177-4200	3.7	7
19	Factorial fuzzy programming for planning water resources management systems. *Journal of Environmental Planning and Management*, **2016**, 59, 1855-1872	2.8	6
18	Insight into sorption mechanism of phenanthrene onto gemini modified palygorskite through a multi-level fuzzy-factorial inference approach. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2016**, 51, 759-68	2.3	6
17	Recursive multivariate principal-monotonicity inferential climate downscaling. *Quarterly Journal of the Royal Meteorological Society*, **2017**, 143, 2780-2796	6.4	5
16	Immobilization of TBBPA on pyrogenic carbon subjected to natural organic matter under freeze□thawing conditions: insights into surface functionalization, coverage processes and binding affinity. *Environmental Science: Nano*, **2020**, 7, 472-485	7.1	5
15	Assessment of climate change impacts on energy capacity planning in Ontario, Canada using high-resolution regional climate model. *Journal of Cleaner Production*, **2020**, 274, 123026	10.3	5
14	Probabilistic Projections of Hydrological Droughts Through Convection-Permitting Climate Simulations and Multimodel Hydrological Predictions. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD032914	4.4	5

13	Waste Management Model Associated with Public-Private Partnership in Hamilton, Ontario, Canada. *Journal of Environmental Engineering, ASCE*, **2016**, 142, 04015086	2	4
12	Projected Changes in Abrupt Shifts Between Dry and Wet Extremes Over China Through an Ensemble of Regional Climate Model Simulations. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD033894	4.4	4
11	Risk Aversion Based Inexact Stochastic Dynamic Programming Approach for Water Resources Management Planning under Uncertainty. *Sustainability*, **2019**, 11, 6926	3.6	4
10	Editorial Overview: Emissions of Microplastics and Their Control in the Environment. *Journal of Environmental Engineering, ASCE*, **2021**, 147, 01821002	2	3
9	Identification of Policies Based on Assessment-Optimization Model to Confront Vulnerable Resources System with Large Population Scale in a Big City.. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	3
8	Adapting to Changing Labor Productivity as a Result of Intensified Heat Stress in a Changing Climate. *GeoHealth*, **2021**, 5, e2020GH000313	5	2
7	Inexact fuzzy integer chance constraint programming approach for noise control within an urban environment. *Engineering Optimization*, **2016**, 48, 1350-1364	2	2
6	Multi-regional industrial wastewater metabolism analysis for the Yangtze River Economic Belt, China. *Environmental Pollution*, **2021**, 284, 117118	9.3	2
5	A weighted ensemble of regional climate projections for exploring the spatiotemporal evolution of multidimensional drought risks in a changing climate. *Climate Dynamics*,1	4.2	1
4	Machine learning approaches for improving near-real-time IMERG rainfall estimates by integrating Cloud Properties from NOAA CDR PATMOSX. *Journal of Hydrometeorology*, **2021**,	3.7	1
3	Increased occurrence of daylight hot extremes in a warming climate. *Climate Dynamics*,1	4.2	0
2	A Factorial Ecological-Extended Physical Input-Output Model for Identifying Optimal Urban Solid Waste Path in Fujian Province, China. *Sustainability*, **2021**, 13, 8341	3.6	0
1	Upholding labor productivity with intensified heat stress: Robust planning for adaptation to climate change under uncertainty. *Journal of Cleaner Production*, **2021**, 322, 129083	10.3	0