

Xiaodong Zhang

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.

47
papers

1,007
citations

19
h-index

30
g-index

49
ext. papers

1,159
ext. citations

5.6
avg, IF

4.93
L-index

#	Paper	IF	Citations
47	Humic acid addition sequence and concentration affect sulfur incorporation, electron transfer, and reactivity of sulfidated nanoscale zero-valent iron.. <i>Chemosphere</i> , 2022 , 294, 133826	8.4	0
46	Robust decision support for seawater desalination system management under consideration of environmental pollution control.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	
45	Improved remediation of co-contaminated soils by heavy metals and PAHs with biosurfactant-enhanced soil washing.. <i>Scientific Reports</i> , 2022 , 12, 3801	4.9	1
44	A simulation-optimization approach for supporting conservative water allocation under uncertainties.. <i>Journal of Environmental Management</i> , 2022 , 315, 115073	7.9	
43	Managing conflicts and equitability in hierarchical decision making for water resources planning under fuzzy uncertainty: A case study of Yellow River, China. <i>Journal of Hydrology: Regional Studies</i> , 2021 , 38, 100963	3.6	1
42	gCN-P: a coupled g-CN/persulfate system for photocatalytic degradation of organic pollutants under simulated sunlight. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
41	Efficient degradation of bisphenol a with MoS/BiVO hetero-nanoflower as a heterogenous peroxymonosulfate activator under visible-light irradiation. <i>Chemosphere</i> , 2021 , 289, 133158	8.4	1
40	Regional-scale water-energy nexus management by a mixed Possibilistic-Flexible robust nonlinear programming model. <i>Journal of Hydrology</i> , 2021 , 603, 126852	6	1
39	Experimental Estimates of Optical Backscattering Associated With Submicron Particles in Clear Oceanic Waters. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087100	4.9	13
38	Predicting ground-level PM concentrations in the Beijing-Tianjin-Hebei region: A hybrid remote sensing and machine learning approach. <i>Environmental Pollution</i> , 2019 , 249, 735-749	9.3	36
37	Water Resources Utilization and Protection in the Coal Mining Area of Northern China. <i>Scientific Reports</i> , 2019 , 9, 1214	4.9	10
36	Cost-optimal design of pressure-based monitoring networks for carbon sequestration projects, with consideration of geological uncertainty. <i>International Journal of Greenhouse Gas Control</i> , 2018 , 71, 278-292	4.2	13
35	A Decentralized Bi-Level Fuzzy Two-Stage Decision Model for Flood Management. <i>Water Resources Management</i> , 2018 , 32, 1615-1629	3.7	7
34	Two-Stage Fracturing Wastewater Management in Shale Gas Development. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 1570-1579	3.9	3
33	Integrated modeling approach for optimal management of water, energy and food security nexus. <i>Advances in Water Resources</i> , 2017 , 101, 1-10	4.7	121
32	A remote sensing method for estimating regional reservoir area and evaporative loss. <i>Journal of Hydrology</i> , 2017 , 555, 213-227	6	31
31	Shale gas wastewater management under uncertainty. <i>Journal of Environmental Management</i> , 2016 , 165, 188-198	7.9	42

30	Energy-water nexus: Balancing the tradeoffs between two-level decision makers. <i>Applied Energy</i> , 2016 , 183, 77-87	10.7	99
29	Conjunctive surface water and groundwater management under climate change. <i>Frontiers in Environmental Science</i> , 2015 , 3,	4.8	16
28	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
27	Identification of management strategies for CO2 capture and sequestration under uncertainty through inexact modeling. <i>Applied Energy</i> , 2014 , 113, 310-317	10.7	24
26	Optimization of environmental management strategies through a dynamic stochastic possibilistic multiobjective program. <i>Journal of Hazardous Materials</i> , 2013 , 246-247, 257-66	12.8	18
25	Potential Subsurface Impacts of CO2 Stream Impurities on Geologic Carbon Storage. <i>Energy Procedia</i> , 2013 , 37, 4552-4559	2.3	16
24	Optimal design of pressure-based, leakage detection monitoring networks for geologic carbon sequestration repositories. <i>International Journal of Greenhouse Gas Control</i> , 2013 , 19, 251-261	4.2	33
23	An integrated multi-level watershed-reservoir modeling system for examining hydrological and biogeochemical processes in small prairie watersheds. <i>Water Research</i> , 2012 , 46, 1207-24	12.5	18
22	Development of an interval multi-stage stochastic programming model for regional energy systems planning and GHG emission control under uncertainty. <i>International Journal of Energy Research</i> , 2012 , 36, 1161-1174	4.5	10
21	A Fuzzy Simulation-Based Optimization Approach for Groundwater Remediation Design at Contaminated Aquifers. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-13	1.1	7
20	Assessment of BTEX-induced health risk under multiple uncertainties at a petroleum-contaminated site: An integrated fuzzy stochastic approach. <i>Water Resources Research</i> , 2011 , 47,	5.4	10
19	Multi-period calibration of a semi-distributed hydrological model based on hydroclimatic clustering. <i>Advances in Water Resources</i> , 2011 , 34, 1292-1303	4.7	41
18	Uncertainty assessment of climate change impacts on the hydrology of small prairie wetlands. <i>Journal of Hydrology</i> , 2011 , 396, 94-103	6	70
17	Model-based decision support system for water quality management under hybrid uncertainty. <i>Expert Systems With Applications</i> , 2011 , 38, 2809-2816	7.8	25
16	Development of a GHG-mitigation oriented inexact dynamic model for regional energy system management. <i>Energy</i> , 2011 , 36, 3388-3398	7.9	32
15	Possibilistic Stochastic Water Management Model for Agricultural Nonpoint Source Pollution. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2011 , 137, 101-112	2.8	26
14	DESPU: Dynamic Optimization for Energy Systems Planning Under Uncertainty. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2011 , 6, 321-338	3.1	4
13	Inexact Community-Scale Energy Systems Planning Model. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2010 , 136, 195-207	2.2	10

12	Inhibitory Effects of Organic Acids on Bacteria Growth During Food Waste Composting. <i>Compost Science and Utilization</i> , 2010 , 18, 55-63	1.2	9
11	Modeling Biosurfactant-Enhanced Bioremediation Processes for Petroleum-Contaminated Sites. <i>Petroleum Science and Technology</i> , 2010 , 28, 1211-1221	1.4	5
10	Planning of municipal solid waste management under dual uncertainties. <i>Waste Management and Research</i> , 2010 , 28, 673-84	4	12
9	A fuzzy-robust stochastic multiobjective programming approach for petroleum waste management planning. <i>Applied Mathematical Modelling</i> , 2010 , 34, 2778-2788	4.5	32
8	Development of a decision-support system for rural eco-environmental management in Yongxin County, Jiangxi Province, China. <i>Environmental Modelling and Software</i> , 2010 , 25, 24-42	5.2	20
7	EMDSS: An optimization-based decision support system for energy systems management under changing climate conditions [An application to the Toronto-Niagara Region, Canada. <i>Expert Systems With Applications</i> , 2010 , 37, 5040-5051	7.8	19
6	CCEM: A City-cluster Energy Systems Planning Model. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2009 , 31, 273-286	1.6	11
5	Robust stochastic fuzzy possibilistic programming for environmental decision making under uncertainty. <i>Science of the Total Environment</i> , 2009 , 408, 192-201	10.2	37
4	Inexact de Novo programming for water resources systems planning. <i>European Journal of Operational Research</i> , 2009 , 199, 531-541	5.6	29
3	Petroleum-contaminated groundwater remediation systems design: A data envelopment analysis based approach. <i>Expert Systems With Applications</i> , 2009 , 36, 5666-5672	7.8	31
2	Optimal decision schemes for agricultural water quality management planning with imprecise objective. <i>Agricultural Water Management</i> , 2009 , 96, 1723-1731	5.9	34
1	Development of a decision support system for groundwater pollution control at coal-mining contaminated sites		1