

Hongwei Lu

List of Publications by Citations

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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.

71
papers

1,905
citations

24
h-index

42
g-index

71
ext. papers

2,251
ext. citations

6.2
avg. IF

5.48
L-index

#	Paper	IF	Citations
71	Advances in microbial fuel cells for wastewater treatment. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 71, 388-403	16.2	216
70	Life cycle assessment of greenhouse gas emissions and water-energy optimization for shale gas supply chain planning based on multi-level approach: Case study in Barnett, Marcellus, Fayetteville, and Haynesville shales. <i>Energy Conversion and Management</i> , 2017 , 134, 382-398	10.6	172
69	Experimental and modeling approaches for food waste composting: a review. <i>Chemosphere</i> , 2013 , 93, 1247-57	8.4	151
68	Optimal water resources management and system benefit for the Marcellus shale-gas reservoir in Pennsylvania and West Virginia. <i>Journal of Hydrology</i> , 2016 , 540, 412-422	6	94
67	An inexact rough-interval fuzzy linear programming method for generating conjunctive water-allocation strategies to agricultural irrigation systems. <i>Applied Mathematical Modelling</i> , 2011 , 35, 4330-4340	4.5	81
66	Analysis of microplastics in a remote region of the Tibetan Plateau: Implications for natural environmental response to human activities. <i>Science of the Total Environment</i> , 2020 , 739, 140087	10.2	80
65	Drought characteristics and its elevation dependence in the Qinghai-Tibet plateau during the last half-century. <i>Scientific Reports</i> , 2020 , 10, 14323	4.9	59
64	Enhanced electrokinetic technologies with oxidization/reduction for organically-contaminated soil remediation. <i>Chemical Engineering Journal</i> , 2014 , 247, 111-124	14.7	52
63	Regional planning of new-energy systems within multi-period and multi-option contexts: A case study of Fengtai, Beijing, China. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 65, 356-372	16.2	51
62	Patch aggregation trends of the global climate landscape under future global warming scenario. <i>International Journal of Climatology</i> , 2020 , 40, 2674-2685	3.5	51
61	Vulnerability assessment of urban ecosystems driven by water resources, human health and atmospheric environment. <i>Journal of Hydrology</i> , 2016 , 536, 457-470	6	49
60	A leader-follower-interactive method for regional water resources management with considering multiple water demands and eco-environmental constraints. <i>Journal of Hydrology</i> , 2017 , 548, 121-134	6	45
59	An integrated model of water resources optimization allocation based on projection pursuit model Grey wolf optimization method in a transboundary river basin. <i>Journal of Hydrology</i> , 2018 , 559, 156-165	6	43
58	An environmental fairness based optimisation model for the decision-support of joint control over the water quantity and quality of a river basin. <i>Journal of Hydrology</i> , 2016 , 535, 366-376	6	41
57	A cloud model based multi-attribute decision making approach for selection and evaluation of groundwater management schemes. <i>Journal of Hydrology</i> , 2017 , 555, 881-893	6	38
56	Stochastic goal programming based groundwater remediation management under human-health-risk uncertainty. <i>Journal of Hazardous Materials</i> , 2014 , 279, 257-67	12.8	37
55	Greenhouse gas emissions control in integrated municipal solid waste management through mixed integer bilevel decision-making. <i>Journal of Hazardous Materials</i> , 2011 , 193, 112-9	12.8	36

54	Monte Carlo-based interval transformation analysis for multi-criteria decision analysis of groundwater management strategies under uncertain naphthalene concentrations and health risks. <i>Journal of Hydrology</i> , 2016 , 539, 468-477	6	35
53	An inexact bi-level simulation-optimization model for conjunctive regional renewable energy planning and air pollution control for electric power generation systems. <i>Applied Energy</i> , 2016 , 183, 969-983	10.7	34
52	Fuzzy Inexact Mixed-Integer Semiinfinite Programming for Municipal Solid Waste Management Planning. <i>Journal of Environmental Engineering, ASCE</i> , 2008 , 134, 572-581	2	33
51	Graphene oxide coated quartz sand as a high performance adsorption material in the application of water treatment. <i>RSC Advances</i> , 2015 , 5, 8037-8043	3.7	31
50	Spatio-temporal variational characteristics analysis of heavy metals pollution in water of the typical northern rivers, China. <i>Journal of Hydrology</i> , 2018 , 559, 787-793	6	28
49	Inexact rough-interval two-stage stochastic programming for conjunctive water allocation problems. <i>Journal of Environmental Management</i> , 2009 , 91, 261-9	7.9	27
48	A credibility-based chance-constrained optimization model for integrated agricultural and water resources management: A case study in South Central China. <i>Journal of Hydrology</i> , 2016 , 537, 408-418	6	25
47	Greenhouse gas mitigation-induced rough-interval programming for municipal solid waste management. <i>Journal of the Air and Waste Management Association</i> , 2008 , 58, 1546-59	2.4	24
46	A bilevel groundwater management model with minimization of stochastic health risks at the leader level and remediation cost at the follower level. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2547-2571	3.5	20
45	Trace metal element pollution of soil and water resources caused by small-scale metallic ore mining activities: a case study from a sphalerite mine in North China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 24630-24644	5.1	20
44	An Interval Mixed-Integer Semi-Infinite Programming Method for Municipal Solid Waste Management. <i>Journal of the Air and Waste Management Association</i> , 2009 , 59, 236-246	2.4	20
43	Relationship between urbanisation and pollutant emissions in transboundary river basins under the strategy of the Belt and Road Initiative. <i>Chemosphere</i> , 2018 , 203, 11-20	8.4	18
42	An inexact stochastic optimization model for agricultural irrigation management with a case study in China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 281-295	3.5	18
41	Integrated suitability, vulnerability and sustainability indicators for assessing the global potential of aquifer thermal energy storage. <i>Applied Energy</i> , 2019 , 239, 747-756	10.7	17
40	Bivariate interval semi-infinite programming with an application to environmental decision-making analysis. <i>European Journal of Operational Research</i> , 2011 , 211, 452-465	5.6	17
39	A Two-Phase Optimization Model Based on Inexact Air Dispersion Simulation for Regional Air Quality Control. <i>Water, Air, and Soil Pollution</i> , 2010 , 211, 121-134	2.6	16
38	Planning for Regional Water System Sustainability Through Water Resources Security Assessment Under Uncertainties. <i>Water Resources Management</i> , 2018 , 32, 3135-3153	3.7	15
37	Optimal groundwater security management policies by control of inexact health risks under dual uncertainty in slope factors. <i>Chemosphere</i> , 2018 , 198, 161-173	8.4	14

36	An interval-valued triangular fuzzy modified multi-attribute preference model for prioritization of groundwater resources management. <i>Journal of Hydrology</i> , 2018 , 562, 335-345	6	14
35	Quasi-Monte Carlo based global uncertainty and sensitivity analysis in modeling free product migration and recovery from petroleum-contaminated aquifers. <i>Journal of Hazardous Materials</i> , 2012 , 219-220, 133-40	12.8	13
34	Vegetation response to climate zone dynamics and its impacts on surface soil water content and albedo in China. <i>Science of the Total Environment</i> , 2020 , 747, 141537	10.2	12
33	Network environmental analysis based ecological risk assessment of a naphthalene-contaminated groundwater ecosystem under varying remedial schemes. <i>Journal of Hydrology</i> , 2016 , 543, 612-624	6	12
32	Human health risk constrained naphthalene-contaminated groundwater remediation management through an improved credibility method. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 16120-16136	5.1	10
31	A multi-level method for groundwater remediation management accommodating non-competitive objectives. <i>Journal of Hydrology</i> , 2019 , 570, 531-543	6	10
30	Impact of thermal condition on vegetation feedback under greening trend of China. <i>Science of the Total Environment</i> , 2021 , 785, 147380	10.2	10
29	Characterization of temperature difference between the neighbouring days in China and its potential driving factors. <i>International Journal of Climatology</i> , 2019 , 39, 4659-4668	3.5	9
28	Optimization-based multicriteria decision analysis for identification of desired petroleum-contaminated groundwater remediation strategies. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 9505-14	5.1	9
27	Changes in global climate heterogeneity under the 21st century global warming. <i>Ecological Indicators</i> , 2021 , 130, 108075	5.8	9
26	Control of stochastic carcinogenic and noncarcinogenic risks in groundwater remediation through an integrated optimization design model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 2159-2172	3.5	8
25	Enhanced Cd transport in the soil-plant-atmosphere continuum (SPAC) system by tobacco (<i>Nicotiana tabacum</i> L.). <i>Chemosphere</i> , 2019 , 225, 395-405	8.4	7
24	Integrated watershed management through multi-level and stepwise optimization for allocation of total load of water pollutants at large scales. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	7
23	GHG emission control and solid waste management for megacities with inexact inputs: a case study in Beijing, China. <i>Journal of Hazardous Materials</i> , 2015 , 284, 92-102	12.8	6
22	Meta-modeling-based health risk assessment of naphthalene-contaminated groundwater at a coal-fired power plant. <i>Human and Ecological Risk Assessment (HERA)</i> , 2016 , 22, 1602-1619	4.9	6
21	Rough-interval-based multicriteria decision analysis for remediation of 1,1-dichloroethane contaminated groundwater. <i>Chemosphere</i> , 2017 , 168, 244-253	8.4	6
20	Spatial Variation, Pollution Assessment and Source Identification of Major Nutrients in Surface Sediments of Nansi Lake, China. <i>Water (Switzerland)</i> , 2017 , 9, 444	3	6
19	Characterization of monochlorobenzene contamination in soils using geostatistical interpolation and 3D visualization for agrochemical industrial sites in southeast China. <i>Archives of Environmental Protection</i> , 2016 , 42, 17-24		6

18	Importance Analysis of Groundwater Remediation Systems. <i>Water Resources Management</i> , 2014 , 28, 115-129	3.7	5
17	Bi-Level Decision-Making Approach for GHG Emissions Control and Municipal Solid Waste Management under Parameter Uncertainty: A Case Study in Beijing, China. <i>Polish Journal of Environmental Studies</i> , 2016 , 25, 1435-1451	2.3	5
16	A microbial growth kinetics model driven by hybrid stochastic colored noises in the water environment. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2047-2056	3.5	4
15	A tempo-spatial-distributed multi-objective decision-making model for ecological restoration management of water-deficient rivers. <i>Journal of Hydrology</i> , 2016 , 542, 860-874	6	4
14	Pollutant source analysis and tempo-spatial analysis of pollutant discharge intensity in a transboundary river basin. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 1336-1354	5.1	4
13	Meta-Modeling-Based Groundwater Remediation Optimization under Flexibility in Environmental Standard. <i>Water Environment Research</i> , 2017 , 89, 456-465	2.8	3
12	Optimal control of greenhouse gas emissions and system cost for integrated municipal solid waste management with considering a hierarchical structure. <i>Waste Management and Research</i> , 2017 , 35, 874-889	4	3
11	Change and attribution of pan evaporation throughout the Qinghai-Tibet Plateau during 1979-2017 using China meteorological forcing dataset. <i>International Journal of Climatology</i> ,	3.5	3
10	A semiparametric statistical approach for forecasting SO ₂ and NO _x concentrations. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 7985-95	5.1	2
9	Intensification of the dispersion of the global climatic landscape and its potential as a new climate change indicator. <i>Environmental Research Letters</i> , 2020 , 15, 114032	6.2	2
8	The pattern of virtual water transfer in China: From the perspective of the virtual water hypothesis. <i>Journal of Cleaner Production</i> , 2022 , 346, 131232	10.3	2
7	Quantifying the effects of meteorological change between neighboring days on human thermal comfort in China. <i>Theoretical and Applied Climatology</i> , 2022 , 147, 1345-1357	3	0
6	Patterns of carbon footprints of main grains production in China: a comparison between main and non-main producing areas. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
5	Intensified fragmentation and shrinkage of the polar climate zone in the Arctic. <i>International Journal of Climatology</i> , 2021 , 41, E3021	3.5	0
4	Characterization of integrated noises driving bacterial degradation kinetics in the water environment by Fourier transform algorithm. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 343-351	3.5	
3	Temporal-Spatial System Dynamic Changes in Transboundary River Basin Treatment Costs. <i>Environmental Engineering Science</i> , 2018 , 35, 603-615	2	
2	Temporal and spatial heterogeneity of recent lake surface water temperature trends in the Qinghai-Tibet Plateau. <i>Geocarto International</i> , 1-19	2.7	
1	DEVELOPMENT OF A DECISION SUPPORT SYSTEM BASED ON STOCHASTIC NONLINEAR OPTIMIZATION FOR PETROLEUM-CONTAMINATED SITE MANAGEMENT. <i>Environmental Engineering and Management Journal</i> , 2017 , 16, 1423-1434	0.6	

