

Li He

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.

108
papers

2,904
citations

33
h-index

50
g-index

113
ext. papers

3,443
ext. citations

6.3
avg, IF

5.93
L-index

#	Paper	IF	Citations
108	Analysis of the relationship between water and energy in China based on a multi-regional input-output method.. <i>Journal of Environmental Management</i> , 2022 , 309, 114680	7.9	1
107	Zirconium-modified biochar as the efficient adsorbent for low-concentration phosphate: performance and mechanism.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
106	Sulfide enhances the Fe(II)/Fe(III) cycle in Fe(III)-peroxymonosulfate system for rapid removal of organic contaminants: Treatment efficiency, kinetics and mechanism.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128970	12.8	0
105	Peroxymonosulfate (PMS) activation by mackinawite for the degradation of organic pollutants: Underappreciated role of dissolved sulfur derivatives. <i>Science of the Total Environment</i> , 2021 , 811, 151421	10.2	4
104	Highly selective electrochemical nitrate reduction using copper phosphide self-supported copper foam electrode: Performance, mechanism, and application. <i>Water Research</i> , 2021 , 193, 116881	12.5	33
103	Interaction of climate change, potentially toxic elements (PTEs), and topography on plant diversity and ecosystem functions in a high-altitude mountainous region of the Tibetan Plateau. <i>Chemosphere</i> , 2021 , 275, 130099	8.4	2
102	Sustainability appraisal of desired contaminated groundwater remediation strategies: an information-entropy-based stochastic multi-criteria preference model. <i>Environment, Development and Sustainability</i> , 2021 , 23, 1759-1779	4.5	45
101	Efficient degradation of bisphenol A via peroxydisulfate activation using in-situ N-doped carbon nanoparticles: Structure-function relationship and reaction mechanism. <i>Journal of Colloid and Interface Science</i> , 2021 , 586, 551-562	9.3	22
100	Electro-assisted autohydrogenotrophic reduction of perchlorate and microbial community in a dual-chamber biofilm-electrode reactor. <i>Chemosphere</i> , 2021 , 264, 128548	8.4	3
99	Intensified fragmentation and shrinkage of the polar climate zone in the Arctic. <i>International Journal of Climatology</i> , 2021 , 41, E3021	3.5	0
98	Dynamic rule of ecological risk transmission among ecological communities based on network environmental analysis. <i>Science of the Total Environment</i> , 2021 , 781, 146729	10.2	3
97	A system-scale environmental risk analysis with considering a conceptual conversion from material/energy flow to information flow under uncertainties. <i>Journal of Environmental Management</i> , 2021 , 300, 113775	7.9	0
96	Assessment of the Sustainable Utilization Level of Water Resources in the Wuhan Metropolitan Area Based on a Three-Dimensional Water Ecological Footprint Model. <i>Water (Switzerland)</i> , 2021 , 13, 3505	3	1
95	Using Principal Components Analysis and IDW Interpolation to Determine Spatial and Temporal Changes of Surface Water Quality of Xin'anjiang River in Huangshan, China. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	67
94	Electrochemical Cr(VI) removal from aqueous media using titanium as anode: Simultaneous indirect electrochemical reduction of Cr(VI) and in-situ precipitation of Cr(III). <i>Chemosphere</i> , 2020 , 260, 127537	8.4	42
93	Evaluation of biochar pyrolyzed from kitchen waste, corn straw, and peanut hulls on immobilization of Pb and Cd in contaminated soil. <i>Environmental Pollution</i> , 2020 , 261, 114133	9.3	40
92	Preparation of a novel iron-based biochar composite for removal of hexavalent chromium in water. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 9214-9226	5.1	14

91	Tradeoffs in cost competitiveness and emission reduction within microgrid sustainable development considering price-based demand response. <i>Science of the Total Environment</i> , 2020 , 703, 135545	10.2	4
90	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
89	Enhanced anaerobic co-digestion of waste activated sludge and food waste by sulfidated microscale zerovalent iron: Insights in direct interspecies electron transfer mechanism. <i>Bioresource Technology</i> , 2020 , 316, 123901	11	37
88	Identifying optimal groundwater remediation strategies through a simulation-based PROMETHEE-TOPSIS approach: An application to a naphthalene-contaminated site. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020 , 26, 1550-1568	4.9	6
87	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
86	Evaluating the effect of biochar on mesophilic anaerobic digestion of waste activated sludge and microbial diversity. <i>Bioresource Technology</i> , 2019 , 294, 122235	11	29
85	Biogas production from anaerobic co-digestion of waste activated sludge: co-substrates and influencing parameters. <i>Reviews in Environmental Science and Biotechnology</i> , 2019 , 18, 771-793	13.9	33
84	Biological perchlorate reduction: which electron donor we can choose?. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 16906-16922	5.1	8
83	Metal-Organic Framework Supported Palladium Nanoparticles: Applications and Mechanisms. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1800557	3.1	13
82	An Importance Analysis-Based Weight Evaluation Framework for Identifying Key Components of Multi-Configuration Off-Grid Wind Power Generation Systems under Stochastic Data Inputs. <i>Energies</i> , 2019 , 12, 4372	3.1	3
81	Multi-party energy management and economics of integrated energy microgrid with PV/T and combined heat and power system. <i>IET Renewable Power Generation</i> , 2019 , 13, 451-461	2.9	16
80	Multiparty Energy Management for Grid-Connected Microgrids With Heat- and Electricity-Coupled Demand Response. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1887-1897	11.9	81
79	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
78	A three-level framework for balancing the tradeoffs among the energy, water, and air-emission implications within the life-cycle shale gas supply chains. <i>Resources, Conservation and Recycling</i> , 2018 , 133, 206-228	11.9	120
77	Game-based analysis of energy-water nexus for identifying environmental impacts during Shale gas operations under stochastic input. <i>Science of the Total Environment</i> , 2018 , 627, 1585-1601	10.2	94
76	Ecological vulnerability assessment for ecological conservation and environmental management. <i>Journal of Environmental Management</i> , 2018 , 206, 1115-1125	7.9	157
75	Synergistic management of flowback and produced waters during the upstream shale gas operations driven by non-cooperative stakeholders. <i>Journal of Natural Gas Science and Engineering</i> , 2018 , 52, 591-608	4.6	10
74	Optimal water resource management for sustainable development of the chemical industrial park under multi-uncertainty and multi-pollutant control. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 27245-27259	5.1	13

73	Chronic brain toxicity response of juvenile Chinese rare minnows (<i>Gobiocypris rarus</i>) to the neonicotinoid insecticides imidacloprid and nitenpyram. <i>Chemosphere</i> , 2018 , 210, 1006-1012	8.4	34
72	Temporal-Spatial System Dynamic Changes in Transboundary River Basin Treatment Costs. <i>Environmental Engineering Science</i> , 2018 , 35, 603-615	2	
71	Techno-economic potential of a renewable energy-based microgrid system for a sustainable large-scale residential community in Beijing, China. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 93, 631-641	16.2	48
70	Energy-environmental implications of shale gas extraction with considering a stochastic decentralized structure. <i>Fuel</i> , 2018 , 230, 226-243	7.1	8
69	Multi-criteria design of shale-gas-water supply chains and production systems towards optimal life cycle economics and greenhouse gas emissions under uncertainty. <i>Computers and Chemical Engineering</i> , 2018 , 109, 216-235	4	122
68	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
67	Stochastic dominant-subordinate-interactive scheduling optimization for interconnected microgrids with considering wind-photovoltaic-based distributed generations under uncertainty. <i>Energy</i> , 2017 , 130, 581-598	7.9	25
66	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
65	Meta-Modeling-Based Groundwater Remediation Optimization under Flexibility in Environmental Standard. <i>Water Environment Research</i> , 2017 , 89, 456-465	2.8	3
64	Optimization-based provincial hybrid renewable and non-renewable energy planning – A case study of Shanxi, China. <i>Energy</i> , 2017 , 128, 839-856	7.9	21
63	Advances in microbial fuel cells for wastewater treatment. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 71, 388-403	16.2	216
62	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	4.89	3
61	An overview on the application of advanced oxidation processes for the removal of naphthenic acids from water. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 1337-1370	11.1	20
60	Rough-interval-based multicriteria decision analysis for remediation of 1,1-dichloroethane contaminated groundwater. <i>Chemosphere</i> , 2017 , 168, 244-253	8.4	6
59	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
58	Vulnerability assessment of atmospheric environment driven by human impacts. <i>Science of the Total Environment</i> , 2016 , 571, 778-90	10.2	19
57	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
56	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

55	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
54	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	
53	A FRACTIONAL FUZZY SIMULATION METHOD FOR PREDICTING DISSOLVED TOLUENE AND OXYGEN CONCENTRATIONS IN AQUIFERS UNDER MICROBIAL ATTENUATION. <i>Environmental Engineering and Management Journal</i> , 2016 , 15, 1801-1811	0.6	
52	Uncertainty-based dynamic multimedia human health risk assessment for polycyclic aromatic hydrocarbons (PAHs) in a land oil exploitation area. <i>Human and Ecological Risk Assessment (HERA)</i> , 2016 , 22, 1552-1573	4.9	2
51	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
50	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
49	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
48	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
47	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
46	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
45	Planning of water resources management and pollution control for Heshui River watershed, China: A full credibility-constrained programming approach. <i>Science of the Total Environment</i> , 2015 , 524-525, 280-9	10.2	33
44	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
43	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
42	Fractional Fuzzy Simulation-Based Health Risk Assessment for Toluene Contaminated Aquifers. <i>Human and Ecological Risk Assessment (HERA)</i> , 2015 , 21, 397-414	4.9	3
41	Design of optimal groundwater remediation systems under flexible environmental-standard constraints. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 1008-19	5.1	6
40	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
39	Nonstationary desertification dynamics of desert oasis under climate change and human interference. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 11,878	4.4	6
38	A multi-echelon supply chain model for municipal solid waste management system. <i>Waste Management</i> , 2014 , 34, 553-61	8.6	42

37	A decomposition model to analyze effect of SO ₂ emission density of China. <i>Journal of Central South University</i> , 2014 , 21, 701-708	2.1	1
36	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
35	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
34	Enhanced electrokinetic technologies with oxidization-reduction for organically-contaminated soil remediation. <i>Chemical Engineering Journal</i> , 2014 , 247, 111-124	14.7	52
33	The Effects of Noises in the Marr-Pirt Model. <i>Applied Mechanics and Materials</i> , 2014 , 615, 282-285	0.3	
32	A Risk-Assessment Optimal Model for Groundwater Optimization with Chance-Constrained Programming. <i>Advanced Materials Research</i> , 2014 , 955-959, 1760-1763	0.5	
31	A fuzzy inexact two-phase programming approach to solving optimal allocation problems in water resources management. <i>Applied Mathematical Modelling</i> , 2014 , 38, 5502-5514	4.5	14
30	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
29	Importance Analysis of Groundwater Remediation Systems. <i>Water Resources Management</i> , 2014 , 28, 115-129	3.7	5
28	Degradation kinetics of dense nonaqueous phase liquids in the environment under impacts of mixed white and colored noises. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1947-1955	3.5	5
27	A model to determine the lake nutrient standards for drinking water sources in Yunnan-Guizhou Plateau Ecoregion, China. <i>Journal of Environmental Sciences</i> , 2013 , 25, 1773-83	6.4	5
26	Experimental and modeling approaches for food waste composting: a review. <i>Chemosphere</i> , 2013 , 93, 1247-57	8.4	151
25	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
24	Fuzzy constrained optimization of eco-friendly reservoir operation using self-adaptive genetic algorithm: a case study of a cascade reservoir system in the Yalong River, China. <i>Ecohydrology</i> , 2012 , 5, 768-778	2.5	20
23	A Multi-Objective Optimal Model for a Petroleum-Contaminated Aquifer Groundwater Remediation in Western Canada. <i>Advanced Materials Research</i> , 2012 , 518-523, 2054-2057	0.5	1
22	Risk Assessment for Petroleum Contamination Exposure in Groundwater. <i>Advanced Materials Research</i> , 2012 , 518-523, 987-990	0.5	
21	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
20	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

19	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
18	An inexact reverse logistics model for municipal solid waste management systems. <i>Journal of Environmental Management</i> , 2011 , 92, 522-30	7.9	60
17	Inexact Fuzzy Full-Infinite Mixed-Integer Programming Method for an Integrated Air and Waste Management System. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2011 , 137, 370-380	2.2	7
16	Characterization of Petroleum-Hydrocarbon Fate and Transport in Homogeneous and Heterogeneous Aquifers Using a Generalized Uncertainty Estimation Method. <i>Journal of Environmental Engineering, ASCE</i> , 2011 , 137, 1-8	2	5
15	Integrated Fuzzy Ranking Analysis for Assessing the Quality of Composting Products. <i>Journal of Environmental Engineering, ASCE</i> , 2010 , 136, 508-519	2	6
14	Prediction of dust fall concentrations in urban atmospheric environment through support vector regression. <i>Central South University</i> , 2010 , 17, 307-315		5
13	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
12	Dual-Interval Linear Programming Model and Its Application to Solid Waste Management Planning. <i>Environmental Engineering Science</i> , 2009 , 26, 1033-1045	2	16
11	Multi-stage optimal design for groundwater remediation: a hybrid bi-level programming approach. <i>Journal of Contaminant Hydrology</i> , 2009 , 108, 64-76	3.9	9
10	Identifying optimal regional solid waste management strategies through an inexact integer programming model containing infinite objectives and constraints. <i>Waste Management</i> , 2009 , 29, 21-31	8.6	45
9	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
8	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
7	An integrated simulation, inference, and optimization method for identifying groundwater remediation strategies at petroleum-contaminated aquifers in western Canada. <i>Water Research</i> , 2008 , 42, 2629-39	12.5	63
6	An Interval-Parameter Fuzzy-Stochastic Programming Approach for Air Quality Management under Uncertainty. <i>Environmental Engineering Science</i> , 2008 , 25, 895-910	2	25
5	Optimization of surfactant-enhanced aquifer remediation for a laboratory BTEX system under parameter uncertainty. <i>Environmental Science & Technology</i> , 2008 , 42, 2009-14	10.3	54
4	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
3	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
2	Identification of Optimal Urban Solid Waste Flow Schemes under Impacts of Energy Prices. <i>Environmental Engineering Science</i> , 2008 , 25, 685-696	2	18

- 1 Wavelet-based multiresolution analysis for data cleaning and its application to water quality management systems. *Expert Systems With Applications*, **2008**, 35, 1301-1310

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