Li He

List of Publications by Citations

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	Advances in microbial fuel cells for wastewater treatment. *Renewable and Sustainable Energy Reviews*, **2017**, 71, 388-403	16.2	216
107	Ecological vulnerability assessment for ecological conservation and environmental management. *Journal of Environmental Management*, **2018**, 206, 1115-1125	7.9	157
106	Experimental and modeling approaches for food waste composting: a review. *Chemosphere*, **2013**, 93, 1247-57	8.4	151
105	Multi-criteria design of shale-gas-water supply chains and production systems towards optimal life cycle economics and greenhouse gas emissions under uncertainty. *Computers and Chemical Engineering*, **2018**, 109, 216-235	4	122
104	A three-level framework for balancing the tradeoffs among the energy, water, and air-emission implications within the life-cycle shale gas supply chains. *Resources, Conservation and Recycling*, **2018**, 133, 206-228	11.9	120
103	Game-based analysis of energy-water nexus for identifying environmental impacts during Shale gas operations under stochastic input. *Science of the Total Environment*, **2018**, 627, 1585-1601	10.2	94
102	Optimal water resources management and system benefit for the Marcellus shale-gas reservoir in Pennsylvania and West Virginia. *Journal of Hydrology*, **2016**, 540, 412-422	6	94
101	Multiparty Energy Management for Grid-Connected Microgrids With Heat- and Electricity-Coupled Demand Response. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 1887-1897	11.9	81
100	An inexact rough-interval fuzzy linear programming method for generating conjunctive water-allocation strategies to agricultural irrigation systems. *Applied Mathematical Modelling*, **2011**, 35, 4330-4340	4.5	81
99	Using Principal Components Analysis and IDW Interpolation to Determine Spatial and Temporal Changes of Surface Water Quality of Xin'anjiang River in Huangshan, China. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	67
98	An integrated simulation, inference, and optimization method for identifying groundwater remediation strategies at petroleum-contaminated aquifers in western Canada. *Water Research*, **2008**, 42, 2629-39	12.5	63
97	An inexact reverse logistics model for municipal solid waste management systems. *Journal of Environmental Management*, **2011**, 92, 522-30	7.9	60
96	Optimization of surfactant-enhanced aquifer remediation for a laboratory BTEX system under parameter uncertainty. *Environmental Science & Technology*, **2008**, 42, 2009-14	10.3	54
95	Enhanced electrokinetic technologies with oxidization-reduction for organically-contaminated soil remediation. *Chemical Engineering Journal*, **2014**, 247, 111-124	14.7	52
94	Patch aggregation trends of the global climate landscape under future global warming scenario. *International Journal of Climatology*, **2020**, 40, 2674-2685	3.5	51
93	Vulnerability assessment of urban ecosystems driven by water resources, human health and atmospheric environment. *Journal of Hydrology*, **2016**, 536, 457-470	6	49
92	Techno-economic potential of a renewable energy-based microgrid system for a sustainable large-scale residential community in Beijing, China. *Renewable and Sustainable Energy Reviews*, **2018**, 93, 631-641	16.2	48

#	Reference	IF	Cit.
91	A leader-follower-interactive method for regional water resources management with considering multiple water demands and eco-environmental constraints. *Journal of Hydrology*, **2017**, 548, 121-134	6	45
90	Identifying optimal regional solid waste management strategies through an inexact integer programming model containing infinite objectives and constraints. *Waste Management*, **2009**, 29, 21-31	8.6	45
89	Sustainability appraisal of desired contaminated groundwater remediation strategies: an information-entropy-based stochastic multi-criteria preference model. *Environment, Development and Sustainability*, **2021**, 23, 1759-1779	4.5	45
88	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). *Chemosphere*, **2020**, 260, 127537	8.4	42
87	A multi-echelon supply chain model for municipal solid waste management system. *Waste Management*, **2014**, 34, 553-61	8.6	42
86	Evaluation of biochar pyrolyzed from kitchen waste, corn straw, and peanut hulls on immobilization of Pb and Cd in contaminated soil. *Environmental Pollution*, **2020**, 261, 114133	9.3	40
85	Stochastic goal programming based groundwater remediation management under human-health-risk uncertainty. *Journal of Hazardous Materials*, **2014**, 279, 257-67	12.8	37
84	Enhanced anaerobic co-digestion of waste activated sludge and food waste by sulfidated microscale zerovalent iron: Insights in direct interspecies electron transfer mechanism. *Bioresource Technology*, **2020**, 316, 123901	11	37
83	Greenhouse gas emissions control in integrated municipal solid waste management through mixed integer bilevel decision-making. *Journal of Hazardous Materials*, **2011**, 193, 112-9	12.8	36
82	Monte Carlo-based interval transformation analysis for multi-criteria decision analysis of groundwater management strategies under uncertain naphthalene concentrations and health risks. *Journal of Hydrology*, **2016**, 539, 468-477	6	35
81	Chronic brain toxicity response of juvenile Chinese rare minnows (Gobiocypris rarus) to the neonicotinoid insecticides imidacloprid and nitenpyram. *Chemosphere*, **2018**, 210, 1006-1012	8.4	34
80	An inexact bi-level simulation-optimization model for conjunctive regional renewable energy planning and air pollution control for electric power generation systems. *Applied Energy*, **2016**, 183, 969-983	10.7	34
79	Biogas production from anaerobic co-digestion of waste activated sludge: co-substrates and influencing parameters. *Reviews in Environmental Science and Biotechnology*, **2019**, 18, 771-793	13.9	33
78	Planning of water resources management and pollution control for Heshui River watershed, China: A full credibility-constrained programming approach. *Science of the Total Environment*, **2015**, 524-525, 280-9	10.2	33
77	Fuzzy Inexact Mixed-Integer Semiinfinite Programming for Municipal Solid Waste Management Planning. *Journal of Environmental Engineering, ASCE*, **2008**, 134, 572-581	2	33
76	Highly selective electrochemical nitrate reduction using copper phosphide self-supported copper foam electrode: Performance, mechanism, and application. *Water Research*, **2021**, 193, 116881	12.5	33
75	Wavelet-based multiresolution analysis for data cleaning and its application to water quality management systems. *Expert Systems With Applications*, **2008**, 35, 1301-1310	7.8	32
74	Graphene oxide coated quartz sand as a high performance adsorption material in the application of water treatment. *RSC Advances*, **2015**, 5, 8037-8043	3.7	31

73	Evaluating the effect of biochar on mesophilic anaerobic digestion of waste activated sludge and microbial diversity. *Bioresource Technology*, **2019**, 294, 122235	11	29
72	Inexact rough-interval two-stage stochastic programming for conjunctive water allocation problems. *Journal of Environmental Management*, **2009**, 91, 261-9	7.9	27
71	Stochastic dominant-subordinate-interactive scheduling optimization for interconnected microgrids with considering wind-photovoltaic-based distributed generations under uncertainty. *Energy*, **2017**, 130, 581-598	7.9	25
70	An Interval-Parameter Fuzzy-Stochastic Programming Approach for Air Quality Management under Uncertainty. *Environmental Engineering Science*, **2008**, 25, 895-910	2	25
69	A credibility-based chance-constrained optimization model for integrated agricultural and water resources management: A case study in South Central China. *Journal of Hydrology*, **2016**, 537, 408-418	6	25
68	Greenhouse gas mitigation-induced rough-interval programming for municipal solid waste management. *Journal of the Air and Waste Management Association*, **2008**, 58, 1546-59	2.4	24
67	Efficient degradation of bisphenol A via peroxydisulfate activation using in-situ N-doped carbon nanoparticles: Structure-function relationship and reaction mechanism. *Journal of Colloid and Interface Science*, **2021**, 586, 551-562	9.3	22
66	Optimization-based provincial hybrid renewable and non-renewable energy planning ΠA case study of Shanxi, China. *Energy*, **2017**, 128, 839-856	7.9	21
65	A bilevel groundwater management model with minimization of stochastic health risks at the leader level and remediation cost at the follower level. *Stochastic Environmental Research and Risk Assessment*, **2017**, 31, 2547-2571	3.5	20
64	An overview on the application of advanced oxidation processes for the removal of naphthenic acids from water. *Critical Reviews in Environmental Science and Technology*, **2017**, 47, 1337-1370	11.1	20
63	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. *Ecohydrology*, **2012**, 5, 768-778	2.5	20
62	An Interval Mixed-Integer Semi-Infinite Programming Method for Municipal Solid Waste Management. *Journal of the Air and Waste Management Association*, **2009**, 59, 236-246	2.4	20
61	Vulnerability assessment of atmospheric environment driven by human impacts. *Science of the Total Environment*, **2016**, 571, 778-90	10.2	19
60	An inexact stochastic optimization model for agricultural irrigation management with a case study in China. *Stochastic Environmental Research and Risk Assessment*, **2014**, 28, 281-295	3.5	18
59	Identification of Optimal Urban Solid Waste Flow Schemes under Impacts of Energy Prices. *Environmental Engineering Science*, **2008**, 25, 685-696	2	18
58	Bivariate interval semi-infinite programming with an application to environmental decision-making analysis. *European Journal of Operational Research*, **2011**, 211, 452-465	5.6	17
57	Dual-Interval Linear Programming Model and Its Application to Solid Waste Management Planning. *Environmental Engineering Science*, **2009**, 26, 1033-1045	2	16
56	A Two-Phase Optimization Model Based on Inexact Air Dispersion Simulation for Regional Air Quality Control. *Water, Air, and Soil Pollution*, **2010**, 211, 121-134	2.6	16

55	Multi-party energy management and economics of integrated energy microgrid with PV/T and combined heat and power system. *IET Renewable Power Generation*, **2019**, 13, 451-461	2.9	16
54	Planning for Regional Water System Sustainability Through Water Resources Security Assessment Under Uncertainties. *Water Resources Management*, **2018**, 32, 3135-3153	3.7	15
53	A fuzzy inexact two-phase programming approach to solving optimal allocation problems in water resources management. *Applied Mathematical Modelling*, **2014**, 38, 5502-5514	4.5	14
52	Preparation of a novel iron-based biochar composite for removal of hexavalent chromium in water. *Environmental Science and Pollution Research*, **2020**, 27, 9214-9226	5.1	14
51	Metal□Organic Framework Supported Palladium Nanoparticles: Applications and Mechanisms. *Particle and Particle Systems Characterization*, **2019**, 36, 1800557	3.1	13
50	Optimal water resource management for sustainable development of the chemical industrial park under multi-uncertainty and multi-pollutant control. *Environmental Science and Pollution Research*, **2018**, 25, 27245-27259	5.1	13
49	Quasi-Monte Carlo based global uncertainty and sensitivity analysis in modeling free product migration and recovery from petroleum-contaminated aquifers. *Journal of Hazardous Materials*, **2012**, 219-220, 133-40	12.8	13
48	Vegetation response to climate zone dynamics and its impacts on surface soil water content and albedo in China. *Science of the Total Environment*, **2020**, 747, 141537	10.2	12
47	Network environmental analysis based ecological risk assessment of a naphthalene-contaminated groundwater ecosystem under varying remedial schemes. *Journal of Hydrology*, **2016**, 543, 612-624	6	12
46	Synergistic management of flowback and produced waters during the upstream shale gas operations driven by non-cooperative stakeholders. *Journal of Natural Gas Science and Engineering*, **2018**, 52, 591-608	4.6	10
45	Optimization-based multicriteria decision analysis for identification of desired petroleum-contaminated groundwater remediation strategies. *Environmental Science and Pollution Research*, **2015**, 22, 9505-14	5.1	9
44	Multi-stage optimal design for groundwater remediation: a hybrid bi-level programming approach. *Journal of Contaminant Hydrology*, **2009**, 108, 64-76	3.9	9
43	Biological perchlorate reduction: which electron donor we can choose?. *Environmental Science and Pollution Research*, **2019**, 26, 16906-16922	5.1	8
42	Energy-environmental implications of shale gas extraction with considering a stochastic decentralized structure. *Fuel*, **2018**, 230, 226-243	7.1	8
41	Control of stochastic carcinogenic and noncarcinogenic risks in groundwater remediation through an integrated optimization design model. *Stochastic Environmental Research and Risk Assessment*, **2015**, 29, 2159-2172	3.5	8
40	Inexact Fuzzy Full-Infinite Mixed-Integer Programming Method for an Integrated Air and Waste Management System. *Journal of the Urban Planning and Development Division, ASCE*, **2011**, 137, 370-380	2.2	7
39	GHG emission control and solid waste management for megacities with inexact inputs: a case study in Beijing, China. *Journal of Hazardous Materials*, **2015**, 284, 92-102	12.8	6
38	Design of optimal groundwater remediation systems under flexible environmental-standard constraints. *Environmental Science and Pollution Research*, **2015**, 22, 1008-19	5.1	6

37	Meta-modeling-based health risk assessment of naphthalene-contaminated groundwater at a coal-fired power plant. *Human and Ecological Risk Assessment (HERA)*, **2016**, 22, 1602-1619	4.9	6
36	Rough-interval-based multicriteria decision analysis for remediation of 1,1-dichloroethane contaminated groundwater. *Chemosphere*, **2017**, 168, 244-253	8.4	6
35	Nonstationary desertification dynamics of desert oasis under climate change and human interference. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 11,878	4.4	6
34	Integrated Fuzzy Ranking Analysis for Assessing the Quality of Composting Products. *Journal of Environmental Engineering, ASCE*, **2010**, 136, 508-519	2	6
33	Characterization of monochlorobenzene contamination in soils using geostatistical interpolation and 3D visualization for agrochemical industrial sites in southeast China. *Archives of Environmental Protection*, **2016**, 42, 17-24		6
32	Identifying optimal groundwater remediation strategies through a simulation-based PROMETHEE-TOPSIS approach: An application to a naphthalene-contaminated site. *Human and Ecological Risk Assessment (HERA)*, **2020**, 26, 1550-1568	4.9	6
31	Degradation kinetics of dense nonaqueous phase liquids in the environment under impacts of mixed white and colored noises. *Stochastic Environmental Research and Risk Assessment*, **2013**, 27, 1947-1955	3.5	5
30	A model to determine the lake nutrient standards for drinking water sources in Yunnan-Guizhou Plateau Ecoregion, China. *Journal of Environmental Sciences*, **2013**, 25, 1773-83	6.4	5
29	Importance Analysis of Groundwater Remediation Systems. *Water Resources Management*, **2014**, 28, 115-129	3.7	5
28	Characterization of Petroleum-Hydrocarbon Fate and Transport in Homogeneous and Heterogeneous Aquifers Using a Generalized Uncertainty Estimation Method. *Journal of Environmental Engineering, ASCE*, **2011**, 137, 1-8	2	5
27	Prediction of dust fall concentrations in urban atmospheric environment through support vector regression. *Central South University*, **2010**, 17, 307-315		5
26	A microbial growth kinetics model driven by hybrid stochastic colored noises in the water environment. *Stochastic Environmental Research and Risk Assessment*, **2017**, 31, 2047-2056	3.5	4
25	Peroxymonosulfate (PMS) activation by mackinawite for the degradation of organic pollutants: Underappreciated role of dissolved sulfur derivatives. *Science of the Total Environment*, **2021**, 811, 151421	10.2	4
24	Tradeoffs in cost competitiveness and emission reduction within microgrid sustainable development considering price-based demand response. *Science of the Total Environment*, **2020**, 703, 135545	10.2	4
23	Meta-Modeling-Based Groundwater Remediation Optimization under Flexibility in Environmental Standard. *Water Environment Research*, **2017**, 89, 456-465	2.8	3
22	Fractional Fuzzy Simulation-Based Health Risk Assessment for Toluene Contaminated Aquifers. *Human and Ecological Risk Assessment (HERA)*, **2015**, 21, 397-414	4.9	3
21	Optimal control of greenhouse gas emissions and system cost for integrated municipal solid waste management with considering a hierarchical structure. *Waste Management and Research*, **2017**, 35, 874-889	4	3
20	An Importance Analysis-Based Weight Evaluation Framework for Identifying Key Components of Multi-Configuration Off-Grid Wind Power Generation Systems under Stochastic Data Inputs. *Energies*, **2019**, 12, 4372	3.1	3

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19	Electro-assisted autohydrogenotrophic reduction of perchlorate and microbial community in a dual-chamber biofilm-electrode reactor. *Chemosphere*, **2021**, 264, 128548	8.4	3
18	Dynamic rule of ecological risk transmission among ecological communities based on network environmental analysis. *Science of the Total Environment*, **2021**, 781, 146729	10.2	3
17	A semiparametric statistical approach for forecasting SO_2 and NOx concentrations. *Environmental Science and Pollution Research*, **2014**, 21, 7985-95	5.1	2
16	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. *Chemosphere*, **2021**, 275, 130099	8.4	2
15	Uncertainty-based dynamic multimedia human health risk assessment for polycyclic aromatic hydrocarbons (PAHs) in a land oil exploitation area. *Human and Ecological Risk Assessment (HERA)*, **2016**, 22, 1552-1573	4.9	2
14	A decomposition model to analyze effect of SO2 emission density of China. *Journal of Central South University*, **2014**, 21, 701-708	2.1	1
13	A Multi-Objective Optimal Model for a Petroleum-Contaminated Aquifer Groundwater Remediation in Western Canada. *Advanced Materials Research*, **2012**, 518-523, 2054-2057	0.5	1
12	Analysis of the relationship between water and energy in China based on a multi-regional input-output method.. *Journal of Environmental Management*, **2022**, 309, 114680	7.9	1
11	Assessment of the Sustainable Utilization Level of Water Resources in the Wuhan Metropolitan Area Based on a Three-Dimensional Water Ecological Footprint Model. *Water (Switzerland)*, **2021**, 13, 3505	3	1
10	Intensified fragmentation and shrinkage of the polar climate zone in the Arctic. *International Journal of Climatology*, **2021**, 41, E3021	3.5	0
9	A system-scale environmental risk analysis with considering a conceptual conversion from material/energy flow to information flow under uncertainties. *Journal of Environmental Management*, **2021**, 300, 113775	7.9	0
8	Zirconium-modified biochar as the efficient adsorbent for low-concentration phosphate: performance and mechanism.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
7	Sulfide enhances the Fe(II)/Fe(III) cycle in Fe(III)-peroxymonosulfate system for rapid removal of organic contaminants: Treatment efficiency, kinetics and mechanism.. *Journal of Hazardous Materials*, **2022**, 435, 128970	12.8	0
6	Characterization of integrated noises driving bacterial degradation kinetics in the water environment by Fourier transform algorithm. *Stochastic Environmental Research and Risk Assessment*, **2016**, 30, 343-351	3.5	
5	Temporal-Spatial System Dynamic Changes in Transboundary River Basin Treatment Costs. *Environmental Engineering Science*, **2018**, 35, 603-615	2	
4	The Effects of Noises in the Marr-Pirt Model. *Applied Mechanics and Materials*, **2014**, 615, 282-285	0.3	
3	A Risk-Assessment Optimal Model for Groundwater Optimization with Chance-Constrained Programming. *Advanced Materials Research*, **2014**, 955-959, 1760-1763	0.5	
2	Risk Assessment for Petroleum Contamination Exposure in Groundwater. *Advanced Materials Research*, **2012**, 518-523, 987-990	0.5	

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