

Irma ChacÃ³n

List of Publications by Year in descending order

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1,078
papers

31,927
citations

8181

76
h-index

22832

112
g-index

1090
all docs

1090
docs citations

1090
times ranked

16647
citing authors

#	ARTICLE	IF	CITATIONS
1	AN INEXACT TWO-STAGE STOCHASTIC PROGRAMMING MODEL FOR WATER RESOURCES MANAGEMENT UNDER UNCERTAINTY. Civil Engineering and Environmental Systems, 2000, 17, 95-118.	0.9	450
2	A GREY LINEAR PROGRAMMING APPROACH FOR MUNICIPAL SOLID WASTE MANAGEMENT PLANNING UNDER UNCERTAINTY. Civil Engineering and Environmental Systems, 1992, 9, 319-335.	0.2	429
3	Emerging usage of electrocoagulation technology for oil removal from wastewater: A review. Science of the Total Environment, 2017, 579, 537-556.	8.0	309
4	A hybrid inexact-stochastic water management model. European Journal of Operational Research, 1998, 107, 137-158.	5.7	295
5	Optimization of conversion of waste rapeseed oil with high FFA to biodiesel using response surface methodology. Renewable Energy, 2008, 33, 1678-1684.	8.9	272
6	Identification of optimal strategies for energy management systems planning under multiple uncertainties. Applied Energy, 2009, 86, 480-495.	10.1	254
7	Integrated soil and plant phosphorus management for crop and environment in China. A review. Plant and Soil, 2011, 349, 157-167.	3.7	248
8	A system dynamics approach for regional environmental planning and management: A study for the Lake Erhai Basin. Journal of Environmental Management, 2001, 61, 93-111.	7.8	238
9	An interval-parameter multi-stage stochastic programming model for water resources management under uncertainty. Advances in Water Resources, 2006, 29, 776-789.	3.8	235
10	IPWM: AN INTERVAL PARAMETER WATER QUALITY MANAGEMENT MODEL. Engineering Optimization, 1996, 26, 79-103.	2.6	224
11	Community-scale renewable energy systems planning under uncertainty—An interval chance-constrained programming approach. Renewable and Sustainable Energy Reviews, 2009, 13, 721-735.	16.4	208
12	Frequency, Immunogenetics, and Clinical Characteristics of Latent Autoimmune Diabetes in China (LADA China Study). Diabetes, 2013, 62, 543-550.	0.6	204
13	An integrated multi-criteria decision analysis and inexact mixed integer linear programming approach for solid waste management. Engineering Applications of Artificial Intelligence, 2003, 16, 543-554.	8.1	192
14	A study on DEM-derived primary topographic attributes for hydrologic applications: Sensitivity to elevation data resolution. Applied Geography, 2008, 28, 210-223.	3.7	181
15	Title is missing!. Environmental Modeling and Assessment, 2001, 6, 271-283.	2.2	172
16	Optimization of wastewater treatment alternative selection by hierarchy grey relational analysis. Journal of Environmental Management, 2007, 82, 250-259.	7.8	171
17	Grey linear programming, its solving approach, and its application. International Journal of Systems Science, 1993, 24, 159-172.	5.5	168
18	The Perspectives of Environmental Informatics and Systems Analysis. Journal of Environmental Informatics, 2003, 1, 1-7.	6.0	162

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19	Hardness, COD and turbidity removals from produced water by electrocoagulation pretreatment prior to Reverse Osmosis membranes. <i>Desalination</i> , 2014, 344, 454-462.	8.2	157
20	A multistage fuzzy-stochastic programming model for supporting sustainable water-resources allocation and management. <i>Environmental Modelling and Software</i> , 2009, 24, 786-797.	4.5	144
21	Microbial community succession and lignocellulose degradation during agricultural waste composting. <i>Biodegradation</i> , 2007, 18, 793-802.	3.0	140
22	IFRP: A hybrid interval-parameter fuzzy robust programming approach for waste management planning under uncertainty. <i>Journal of Environmental Management</i> , 2007, 84, 1-11.	7.8	137
23	Aerobic degradation of bisphenol A by <i>Achromobacter xylosoxidans</i> strain B-16 isolated from compost leachate of municipal solid waste. <i>Chemosphere</i> , 2007, 68, 181-190.	8.2	135
24	A fuzzy-stochastic robust programming model for regional air quality management under uncertainty. <i>Engineering Optimization</i> , 2003, 35, 177-199.	2.6	134
25	Probabilistic assessment of remote sensing-based terrestrial vegetation vulnerability to drought stress of the Loess Plateau in China. <i>Remote Sensing of Environment</i> , 2019, 232, 111290.	11.0	133
26	An interval-parameter fuzzy nonlinear optimization model for stream water quality management under uncertainty. <i>European Journal of Operational Research</i> , 2007, 180, 1331-1357.	5.7	132
27	A MCDM-based expert system for climate-change impact assessment and adaptation planning – A case study for the Georgia Basin, Canada. <i>Expert Systems With Applications</i> , 2008, 34, 2164-2179.	7.6	132
28	Barriers to sustainable water-quality management. <i>Journal of Environmental Management</i> , 2001, 61, 1-23.	7.8	130
29	Cadmium removal from simulated wastewater to biomass byproduct of <i>Lentinus edodes</i> . <i>Bioresource Technology</i> , 2008, 99, 7034-7040.	9.6	119
30	Land allocation based on integrated GIS-optimization modeling at a watershed level. <i>Landscape and Urban Planning</i> , 2004, 66, 61-74.	7.5	115
31	Adsorption behavior of bisphenol A on sediments in Xiangjiang River, Central-south China. <i>Chemosphere</i> , 2006, 65, 1490-1499.	8.2	112
32	Identification of optimal strategies for improving eco-resilience to floods in ecologically vulnerable regions of a wetland. <i>Ecological Modelling</i> , 2011, 222, 360-369.	2.5	111
33	Anaerobic digestion of livestock manure in cold regions: Technological advancements and global impacts. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109494.	16.4	111
34	ITCLP: An inexact two-stage chance-constrained program for planning waste management systems. <i>Resources, Conservation and Recycling</i> , 2007, 49, 284-307.	10.8	107
35	Newly designed primer pair revealed dominant and diverse comammox amoA gene in full-scale wastewater treatment plants. <i>Bioresource Technology</i> , 2018, 270, 580-587.	9.6	107
36	Development of an artificial neural network model for predicting minimum miscibility pressure in CO ₂ flooding. <i>Journal of Petroleum Science and Engineering</i> , 2003, 37, 83-95.	4.2	105

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37	Grey fuzzy integer programming: An application to regional waste management planning under uncertainty. <i>Socio-Economic Planning Sciences</i> , 1995, 29, 17-38.	5.0	104
38	An optimization-model-based interactive decision support system for regional energy management systems planning under uncertainty. <i>Expert Systems With Applications</i> , 2009, 36, 3470-3482.	7.6	104
39	An integrated scenario-based multi-criteria decision support system for water resources management and planning – A case study in the Haihe River Basin. <i>Expert Systems With Applications</i> , 2010, 37, 8242-8254.	7.6	104
40	Removal of Tetrabromobisphenol A by adsorption on pinecone-derived activated charcoals: Synchrotron FTIR, kinetics and surface functionality analyses. <i>Bioresource Technology</i> , 2018, 247, 812-820.	9.6	103
41	Abundance and community composition of comammox bacteria in different ecosystems by a universal primer set. <i>Science of the Total Environment</i> , 2019, 691, 146-155.	8.0	100
42	A two-stage inexact-stochastic programming model for planning carbon dioxide emission trading under uncertainty. <i>Applied Energy</i> , 2010, 87, 1033-1047.	10.1	98
43	Planning regional energy system in association with greenhouse gas mitigation under uncertainty. <i>Applied Energy</i> , 2011, 88, 599-611.	10.1	97
44	Land use regression models coupled with meteorology to model spatial and temporal variability of NO ₂ and PM ₁₀ in Changsha, China. <i>Atmospheric Environment</i> , 2015, 116, 272-280.	4.1	97
45	An inexact two-stage water management model for planning agricultural irrigation under uncertainty. <i>Agricultural Water Management</i> , 2010, 97, 1905-1914.	5.6	96
46	A derivative algorithm for inexact quadratic program – application to environmental decision-making under uncertainty. <i>European Journal of Operational Research</i> , 2001, 128, 570-586.	5.7	94
47	Assessment of non-point source pollution using a spatial multicriteria analysis approach. <i>Ecological Modelling</i> , 2011, 222, 313-321.	2.5	94
48	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.	4.2	94
49	Emerging N-nitrosamines and N-nitramines from amine-based post-combustion CO ₂ capture – A review. <i>Chemical Engineering Journal</i> , 2018, 335, 921-935.	12.7	94
50	A Review on Optimization Modeling of Energy Systems Planning and GHG Emission Mitigation under Uncertainty. <i>Energies</i> , 2011, 4, 1624-1656.	3.1	93
51	How a carbon tax will affect an emission-intensive economy: A case study of the Province of Saskatchewan, Canada. <i>Energy</i> , 2018, 159, 817-826.	8.8	93
52	Inexact multistage stochastic integer programming for water resources management under uncertainty. <i>Journal of Environmental Management</i> , 2008, 88, 93-107.	7.8	92
53	An inexact stochastic-fuzzy optimization model for agricultural water allocation and land resources utilization management under considering effective rainfall. <i>Ecological Indicators</i> , 2018, 92, 301-311.	6.3	92
54	Removal of sulfonated humic acid from aqueous phase by modified coal fly ash waste: Equilibrium and kinetic adsorption studies. <i>Fuel</i> , 2016, 165, 264-271.	6.4	91

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55	Examining the applicability of different sampling techniques in the development of decomposition-based streamflow forecasting models. <i>Journal of Hydrology</i> , 2019, 568, 534-550.	5.4	91
56	Planning of community-scale renewable energy management systems in a mixed stochastic and fuzzy environment. <i>Renewable Energy</i> , 2009, 34, 1833-1847.	8.9	90
57	Development of distributed time-variant gain model for nonlinear hydrological systems. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 713-723.	0.9	89
58	ITOM: an interval-parameter two-stage optimization model for stochastic planning of water resources systems. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 125-133.	4.0	89
59	Energy and environmental systems planning under uncertaintyâ€”An inexact fuzzy-stochastic programming approach. <i>Applied Energy</i> , 2010, 87, 3189-3211.	10.1	88
60	GREY QUADRATIC PROGRAMMING AND ITS APPLICATION TO MUNICIPAL SOLID WASTE MANAGEMENT PLANNING UNDER UNCERTAINTY. <i>Engineering Optimization</i> , 1995, 23, 201-223.	2.6	87
61	Co-degradation with glucose of four surfactants, CTAB, Triton X-100, SDS and Rhamnolipid, in liquid culture media and compost matrix. <i>Biodegradation</i> , 2007, 18, 303-310.	3.0	87
62	Microbial-growth inhibition during composting of food waste: Effects of organic acids. <i>Bioresource Technology</i> , 2010, 101, 5925-5934.	9.6	86
63	An inexact two-stage mixed integer linear programming method for solid waste management in the City of Regina. <i>Journal of Environmental Management</i> , 2006, 81, 188-209.	7.8	85
64	Tribological study on hydrostatic slipper bearing with annular orifice damper for water hydraulic axial piston motor. <i>Tribology International</i> , 2006, 39, 1342-1354.	5.9	83
65	Radial interval chance-constrained programming for agricultural non-point source water pollution control under uncertainty. <i>Agricultural Water Management</i> , 2011, 98, 1595-1606.	5.6	83
66	Composting of lead-contaminated solid waste with inocula of white-rot fungus. <i>Bioresource Technology</i> , 2007, 98, 320-326.	9.6	82
67	Municipal Solid Waste Management Under Uncertainty: A Mixed Interval Parameter Fuzzy-Stochastic Robust Programming Approach. <i>Environmental Engineering Science</i> , 2007, 24, 338-352.	1.6	81
68	Water Quality Index: A Fuzzy River-Pollution Decision Support Expert System. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2007, 133, 95-105.	2.6	81
69	Two-stage fuzzy chance-constrained programming: application to water resources management under dual uncertainties. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009, 23, 349-359.	4.0	81
70	SLFP: A stochastic linear fractional programming approach for sustainable waste management. <i>Waste Management</i> , 2011, 31, 2612-2619.	7.4	81
71	A two-stage support-vector-regression optimization model for municipal solid waste management â€” A case study of Beijing, China. <i>Journal of Environmental Management</i> , 2011, 92, 3023-3037.	7.8	81
72	Planning water resources management systems using a fuzzy-boundary interval-stochastic programming method. <i>Advances in Water Resources</i> , 2010, 33, 1105-1117.	3.8	80

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73	An inexact optimization modeling approach for supporting energy systems planning and air pollution mitigation in Beijing city. <i>Energy</i> , 2012, 37, 673-688.	8.8	80
74	A stepwise cluster analysis approach for downscaled climate projection – A Canadian case study. <i>Environmental Modelling and Software</i> , 2013, 49, 141-151.	4.5	80
75	Mixed interval-fuzzy two-stage integer programming and its application to flood-diversion planning. <i>Engineering Optimization</i> , 2007, 39, 163-183.	2.6	79
76	Removal of Cd ²⁺ from synthetic wastewater using micellar-enhanced ultrafiltration with hollow fiber membrane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 294, 140-146.	4.7	79
77	IFMP: Interval-fuzzy multistage programming for water resources management under uncertainty. <i>Resources, Conservation and Recycling</i> , 2008, 52, 800-812.	10.8	78
78	Fuzzy-stochastic-based violation analysis method for planning water resources management systems with uncertain information. <i>Information Sciences</i> , 2009, 179, 4261-4276.	6.9	77
79	Removal of Tannin from Aqueous Solution by Adsorption onto Treated Coal Fly Ash: Kinetic, Equilibrium, and Thermodynamic Studies. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15923-15931.	3.7	77
80	Regional-scale electric power system planning under uncertainty – A multistage interval-stochastic integer linear programming approach. <i>Energy Policy</i> , 2010, 38, 475-490.	8.8	76
81	Scenario analysis of carbon emissions' anti-driving effect on Qingdao's energy structure adjustment with an optimization model, Part 2: Carbon emissions peak value prediction. <i>Journal of Cleaner Production</i> , 2018, 172, 466-474.	9.3	76
82	Analysis of Solution Methods for Interval Linear Programming. <i>Journal of Environmental Informatics</i> , 2011, 17, 54-64.	6.0	76
83	Effect of short-chain organic acids and pH on the behaviors of pyrene in soil-water system. <i>Chemosphere</i> , 2010, 81, 1423-1429.	8.2	75
84	A multi-level Taguchi-factorial two-stage stochastic programming approach for characterization of parameter uncertainties and their interactions: An application to water resources management. <i>European Journal of Operational Research</i> , 2015, 240, 572-581.	5.7	75
85	Adsorption of anionic azo dyes from aqueous solution on cationic gemini surfactant-modified flax shives: Synchrotron infrared, optimization and modeling studies. <i>Journal of Cleaner Production</i> , 2018, 172, 1986-1997.	9.3	75
86	Copula-based risk analysis for inter-seasonal combinations of wet and dry conditions under a changing climate. <i>International Journal of Climatology</i> , 2019, 39, 2005-2021.	3.5	75
87	Inexact two-stage stochastic credibility constrained programming for water quality management. <i>Resources, Conservation and Recycling</i> , 2013, 73, 122-132.	10.8	74
88	Comparison of interpolation methods for estimating spatial distribution of precipitation in Ontario, Canada. <i>International Journal of Climatology</i> , 2014, 34, 3745-3751.	3.5	74
89	Inter-regional carbon flows embodied in electricity transmission: network simulation for energy-carbon nexus. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 118, 109511.	16.4	74
90	Simulation-based process optimization for surfactant-enhanced aquifer remediation at heterogeneous DNAPL-contaminated sites. <i>Science of the Total Environment</i> , 2007, 381, 17-37.	8.0	73

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91	An integrated optimization approach and multi-criteria decision analysis for supporting the waste-management system of the City of Beijing, China. <i>Engineering Applications of Artificial Intelligence</i> , 2010, 23, 620-631.	8.1	73
92	Switchable heat transfer mechanisms of nucleation and convection by wettability match of evaporator and condenser for heat pipes: Nano-structured surface effect. <i>Nano Energy</i> , 2017, 38, 313-325.	16.0	73
93	Review of aquatic toxicity of pharmaceuticals and personal care products to algae. <i>Journal of Hazardous Materials</i> , 2021, 410, 124619.	12.4	73
94	Capacity Planning for an Integrated Waste Management System Under Uncertainty: a North American Case Study. <i>Waste Management and Research</i> , 1997, 15, 523-546.	3.9	72
95	Environmentally-extended input-output simulation for analyzing production-based and consumption-based industrial greenhouse gas mitigation policies. <i>Applied Energy</i> , 2018, 232, 69-78.	10.1	71
96	A neural network predictive control system for paper mill wastewater treatment. <i>Engineering Applications of Artificial Intelligence</i> , 2003, 16, 121-129.	8.1	70
97	Treatment of rural domestic wastewater using multi-soil-layering systems: Performance evaluation, factorial analysis and numerical modeling. <i>Science of the Total Environment</i> , 2018, 644, 536-546.	8.0	70
98	An Inexact Two-stage Fuzzy-stochastic Programming Model for Water Resources Management. <i>Water Resources Management</i> , 2008, 22, 991-1016.	3.9	69
99	An interval-parameter minimax regret programming approach for power management systems planning under uncertainty. <i>Applied Energy</i> , 2011, 88, 2835-2845.	10.1	69
100	Biodegradation of polycyclic aromatic hydrocarbons in the natural waters of the Yellow River: Effects of high sediment content on biodegradation. <i>Chemosphere</i> , 2006, 65, 457-466.	8.2	68
101	Simulation and optimization technologies for petroleum waste management and remediation process control. <i>Journal of Environmental Management</i> , 2009, 90, 54-76.	7.8	68
102	Plasma-induced PAA-ZnO coated PVDF membrane for oily wastewater treatment: Preparation, optimization, and characterization through Taguchi OA design and synchrotron-based X-ray analysis. <i>Journal of Membrane Science</i> , 2019, 582, 70-82.	8.2	68
103	A stepwise cluster analysis method for predicting air quality in an urban environment. <i>Atmospheric Environment Part B Urban Atmosphere</i> , 1992, 26, 349-357.	0.5	67
104	Development of an interval-valued fuzzy linear-programming method based on infinite λ -cuts for water resources management. <i>Environmental Modelling and Software</i> , 2010, 25, 354-361.	4.5	67
105	Nitrification in natural waters with high suspended-solid content – A study for the Yellow River. <i>Chemosphere</i> , 2004, 57, 1017-1029.	8.2	66
106	A simulation-based fuzzy chance-constrained programming model for optimal groundwater remediation under uncertainty. <i>Advances in Water Resources</i> , 2008, 31, 1622-1635.	3.8	66
107	Incorporation of Inexact Dynamic Optimization with Fuzzy Relation Analysis for Integrated Climate Change Impact Study. <i>Journal of Environmental Management</i> , 1996, 48, 45-68.	7.8	65
108	Modeling the effects of elevation data resolution on the performance of topography-based watershed runoff simulation. <i>Environmental Modelling and Software</i> , 2007, 22, 1250-1260.	4.5	65

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109	Modeling of substrate degradation and oxygen consumption in waste composting processes. <i>Waste Management</i> , 2008, 28, 1375-1385.	7.4	65
110	An evaluation of grid size uncertainty in empirical soil loss modeling with digital elevation models. <i>Environmental Modeling and Assessment</i> , 2005, 10, 33-42.	2.2	64
111	An Interval-Parameter Waste-Load-Allocation Model for River Water Quality Management Under Uncertainty. <i>Environmental Management</i> , 2009, 43, 999-1012.	2.7	64
112	Interactive two-stage stochastic fuzzy programming for water resources management. <i>Journal of Environmental Management</i> , 2011, 92, 1986-1995.	7.8	64
113	Robust planning of energy management systems with environmental and constraint-conservative considerations under multiple uncertainties. <i>Energy Conversion and Management</i> , 2013, 65, 471-486.	9.2	63
114	Ecological network analysis for an industrial solid waste metabolism system. <i>Environmental Pollution</i> , 2019, 244, 279-287.	7.5	63
115	A two-stage fuzzy robust integer programming approach for capacity planning of environmental management systems. <i>European Journal of Operational Research</i> , 2008, 189, 399-420.	5.7	62
116	A two-stage programming approach for water resources management under randomness and fuzziness. <i>Environmental Modelling and Software</i> , 2010, 25, 1573-1581.	4.5	62
117	Assessment of parameter uncertainty in hydrological model using a Markov-Chain-Monte-Carlo-based multilevel-factorial-analysis method. <i>Journal of Hydrology</i> , 2016, 538, 471-486.	5.4	62
118	An interval nonlinear program for the planning of waste management systems with economies-of-scale effectsâ€”A case study for the region of Hamilton, Ontario, Canada. <i>European Journal of Operational Research</i> , 2006, 171, 349-372.	5.7	61
119	Development of an optimization model for energy systems planning in the Region of Waterloo. <i>International Journal of Energy Research</i> , 2008, 32, 988-1005.	4.5	61
120	Molecular toxicity of triclosan and carbamazepine to green algae <i>Chlorococcum</i> sp.: A single cell view using synchrotron-based Fourier transform infrared spectromicroscopy. <i>Environmental Pollution</i> , 2017, 226, 12-20.	7.5	61
121	Effects of carbon and environmental tax on power mix planning - A case study of Hebei Province, China. <i>Energy</i> , 2018, 143, 645-657.	8.8	61
122	Fuzzy Relation Analysis for Multicriteria Water Resources Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1999, 125, 41-47.	2.6	60
123	Development of a forecasting system for supporting remediation design and process control based on NAPL-biodegradation simulation and stepwise-cluster analysis. <i>Water Resources Research</i> , 2006, 42, .	4.2	60
124	Planning of energy system management and GHG-emission control in the Municipality of Beijingâ€”An inexact-dynamic stochastic programming model. <i>Energy Policy</i> , 2009, 37, 4463-4473.	8.8	60
125	An interval full-infinite mixed-integer programming method for planning municipal energy systems â€” A case study of Beijing. <i>Applied Energy</i> , 2011, 88, 2846-2862.	10.1	60
126	A multi-sectoral decomposition and decoupling analysis of carbon emissions in Guangdong province, China. <i>Journal of Environmental Management</i> , 2021, 298, 113485.	7.8	60

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127	Perspectives on environmental applications of hexagonal boron nitride nanomaterials. <i>Nano Today</i> , 2022, 44, 101486.	11.9	60
128	An inexact two-stage stochastic robust programming for residential micro-grid management-based on random demand. <i>Energy</i> , 2014, 67, 186-199.	8.8	59
129	Insights into Long-Term Toxicity of Triclosan to Freshwater Green Algae in Lake Erie. <i>Environmental Science & Technology</i> , 2019, 53, 2189-2198.	10.0	59
130	Hybrid Fuzzy-Stochastic Modeling Approach for Assessing Environmental Risks at Contaminated Groundwater Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2003, 129, 79-88.	1.4	58
131	IFTEM: An interval-fuzzy two-stage stochastic optimization model for regional energy systems planning under uncertainty. <i>Energy Policy</i> , 2009, 37, 868-878.	8.8	58
132	Generalized fuzzy linear programming for decision making under uncertainty: Feasibility of fuzzy solutions and solving approach. <i>Information Sciences</i> , 2013, 241, 12-27.	6.9	58
133	Maximum entropy-Gumbel-Hougaard copula method for simulation of monthly streamflow in Xiangxi river, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 833-846.	4.0	58
134	Insights into the Toxicity of Triclosan to Green Microalga <i>Chlorococum sp.</i> Using Synchrotron-Based Fourier Transform Infrared Spectromicroscopy: Biophysiological Analyses and Roles of Environmental Factors. <i>Environmental Science & Technology</i> , 2018, 52, 2295-2306.	10.0	58
135	Performance of ceramic disk filter coated with nano ZnO for removing <i>Escherichia coli</i> from water in small rural and remote communities of developing regions. <i>Environmental Pollution</i> , 2018, 238, 52-62.	7.5	58
136	A factorial ecologically-extended input-output model for analyzing urban GHG emissions metabolism system. <i>Journal of Cleaner Production</i> , 2018, 200, 922-933.	9.3	58
137	An interval-parameter two-stage stochastic integer programming model for environmental systems planning under uncertainty. <i>Engineering Optimization</i> , 2006, 38, 461-483.	2.6	57
138	An inexact dynamic optimization model for municipal solid waste management in association with greenhouse gas emission control. <i>Journal of Environmental Management</i> , 2009, 90, 396-409.	7.8	57
139	Water Resources Management and Planning under Uncertainty: an Inexact Multistage Joint-Probabilistic Programming Method. <i>Water Resources Management</i> , 2009, 23, 2515-2538.	3.9	57
140	An inexact chance-constrained programming model for water quality management in Binhai New Area of Tianjin, China. <i>Science of the Total Environment</i> , 2011, 409, 1757-1773.	8.0	57
141	Reference evapotranspiration forecasting based on local meteorological and global climate information screened by partial mutual information. <i>Journal of Hydrology</i> , 2018, 561, 764-779.	5.4	57
142	Drought Occurring With Hot Extremes: Changes Under Future Climate Change on Loess Plateau, China. <i>Earth's Future</i> , 2019, 7, 587-604.	6.3	57
143	A biophysiological perspective on enhanced nitrate removal from decentralized domestic sewage using gravitational-flow multi-soil-layering systems. <i>Chemosphere</i> , 2020, 240, 124868.	8.2	57
144	Investigation of publicâ€™s perception towards rural sustainable development based on a two-level expert system. <i>Expert Systems With Applications</i> , 2009, 36, 8910-8924.	7.6	56

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145	An inexact programming approach for supporting ecologically sustainable water supply with the consideration of uncertain water demand by ecosystems. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011, 25, 721-735.	4.0	56
146	Hydrologic risk analysis in the Yangtze River basin through coupling Gaussian mixtures into copulas. <i>Advances in Water Resources</i> , 2016, 88, 170-185.	3.8	56
147	Crop planning and water resource allocation for sustainable development of an irrigation region in China under multiple uncertainties. <i>Agricultural Water Management</i> , 2016, 166, 53-69.	5.6	56
148	An Inexact Chance-constrained Quadratic Programming Model for Stream Water Quality Management. <i>Water Resources Management</i> , 2009, 23, 661-695.	3.9	55
149	SRCCP: A stochastic robust chance-constrained programming model for municipal solid waste management under uncertainty. <i>Resources, Conservation and Recycling</i> , 2009, 53, 352-363.	10.8	55
150	An integrated approach for climate-change impact analysis and adaptation planning under multi-level uncertainties. Part I: Methodology. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2779-2790.	16.4	55
151	Electric-power systems planning and greenhouse-gas emission management under uncertainty. <i>Energy Conversion and Management</i> , 2012, 57, 173-182.	9.2	55
152	An interval-valued fuzzy-stochastic programming approach and its application to municipal solid waste management. <i>Environmental Modelling and Software</i> , 2012, 29, 24-36.	4.5	55
153	Transport of anionic azo dyes from aqueous solution to gemini surfactant-modified wheat bran: Synchrotron infrared, molecular interaction and adsorption studies. <i>Science of the Total Environment</i> , 2017, 595, 723-732.	8.0	55
154	A copula-based flexible-stochastic programming method for planning regional energy system under multiple uncertainties: A case study of the urban agglomeration of Beijing and Tianjin. <i>Applied Energy</i> , 2018, 210, 60-74.	10.1	55
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