

Irma Chacn

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2555568/irma-chacon-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,035
papers

24,923
citations

68
h-index

100
g-index

1,090
ext. papers

28,239
ext. citations

5.7
avg, IF

7.69
L-index

#	Paper	IF	Citations
1035	AN INEXACT TWO-STAGE STOCHASTIC PROGRAMMING MODEL FOR WATER RESOURCES MANAGEMENT UNDER UNCERTAINTY. <i>Civil Engineering and Environmental Systems</i> , 2000 , 17, 95-118	2.1	409
1034	A GREY LINEAR PROGRAMMING APPROACH FOR MUNICIPAL SOLID WASTE MANAGEMENT PLANNING UNDER UNCERTAINTY. <i>Civil Engineering and Environmental Systems</i> , 1992 , 9, 319-335		383
1033	A hybrid inexact-stochastic water management model. <i>European Journal of Operational Research</i> , 1998 , 107, 137-158	5.6	268
1032	Optimization of conversion of waste rapeseed oil with high FFA to biodiesel using response surface methodology. <i>Renewable Energy</i> , 2008 , 33, 1678-1684	8.1	227
1031	An interval-parameter multi-stage stochastic programming model for water resources management under uncertainty. <i>Advances in Water Resources</i> , 2006 , 29, 776-789	4.7	215
1030	Identification of optimal strategies for energy management systems planning under multiple uncertainties. <i>Applied Energy</i> , 2009 , 86, 480-495	10.7	213
1029	Emerging usage of electrocoagulation technology for oil removal from wastewater: A review. <i>Science of the Total Environment</i> , 2017 , 579, 537-556	10.2	211
1028	IPWM: AN INTERVAL PARAMETER WATER QUALITY MANAGEMENT MODEL. <i>Engineering Optimization</i> , 1996 , 26, 79-103	2	200
1027	A system dynamics approach for regional environmental planning and management: a study for the Lake Erhai Basin. <i>Journal of Environmental Management</i> , 2001 , 61, 93-111	7.9	193
1026	Integrated soil and plant phosphorus management for crop and environment in China. A review. <i>Plant and Soil</i> , 2011 , 349, 157-167	4.2	185
1025	Community-scale renewable energy systems planning under uncertainty: An interval chance-constrained programming approach. <i>Renewable and Sustainable Energy Reviews</i> , 2009 , 13, 721-735	16.2	170
1024	An integrated multi-criteria decision analysis and inexact mixed integer linear programming approach for solid waste management. <i>Engineering Applications of Artificial Intelligence</i> , 2003 , 16, 543-554	7.2	159
1023	An Interval-Parameter Fuzzy-Stochastic Programming Approach for Municipal Solid Waste Management and Planning. <i>Environmental Modeling and Assessment</i> , 2001 , 6, 271-283	2	157
1022	Frequency, immunogenetics, and clinical characteristics of latent autoimmune diabetes in China (LADA China study): a nationwide, multicenter, clinic-based cross-sectional study. <i>Diabetes</i> , 2013 , 62, 543-50	0.9	153
1021	Grey linear programming, its solving approach, and its application. <i>International Journal of Systems Science</i> , 1993 , 24, 159-172	2.3	146
1020	A study on DEM-derived primary topographic attributes for hydrologic applications: Sensitivity to elevation data resolution. <i>Applied Geography</i> , 2008 , 28, 210-223	4.4	143
1019	The Perspectives of Environmental Informatics and Systems Analysis. <i>Journal of Environmental Informatics</i> , 2003 , 1, 1-7	3	137

1018	Optimization of wastewater treatment alternative selection by hierarchy grey relational analysis. <i>Journal of Environmental Management</i> , 2007 , 82, 250-9	7.9	130
1017	A multistage fuzzy-stochastic programming model for supporting sustainable water-resources allocation and management. <i>Environmental Modelling and Software</i> , 2009 , 24, 786-797	5.2	129
1016	A fuzzy-stochastic robust programming model for regional air quality management under uncertainty. <i>Engineering Optimization</i> , 2003 , 35, 177-199	2	123
1015	Hardness, COD and turbidity removals from produced water by electrocoagulation pretreatment prior to Reverse Osmosis membranes. <i>Desalination</i> , 2014 , 344, 454-462	10.3	121
1014	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	7.9	119
1013	Microbial community succession and lignocellulose degradation during agricultural waste composting. <i>Biodegradation</i> , 2007 , 18, 793-802	4.1	118
1012	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	5.6	114
1011	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, 181-90	8.4	110
1010	Barriers to sustainable water-quality management. <i>Journal of Environmental Management</i> , 2001 , 61, 1-23	7.9	105
1009	Cadmium removal from simulated wastewater to biomass byproduct of <i>Lentinus edodes</i> . <i>Bioresource Technology</i> , 2008 , 99, 7034-40	11	103
1008	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	3	100
1007	Land allocation based on integrated GIS-optimization modeling at a watershed level. <i>Landscape and Urban Planning</i> , 2004 , 66, 61-74	7.7	100
1006	ITCLP: An inexact two-stage chance-constrained program for planning waste management systems. <i>Resources, Conservation and Recycling</i> , 2007 , 49, 284-307	11.9	98
1005	Adsorption behavior of bisphenol A on sediments in Xiangjiang River, Central-south China. <i>Chemosphere</i> , 2006 , 65, 1490-9	8.4	98
1004	Grey fuzzy integer programming: An application to regional waste management planning under uncertainty. <i>Socio-Economic Planning Sciences</i> , 1995 , 29, 17-38	3.7	95
1003	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	7.8	93
1002	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	7.8	92
1001	An inexact two-stage water management model for planning agricultural irrigation under uncertainty. <i>Agricultural Water Management</i> , 2010 , 97, 1905-1914	5.9	91

1000	A two-stage inexact-stochastic programming model for planning carbon dioxide emission trading under uncertainty. <i>Applied Energy</i> , 2010 , 87, 1033-1047	10.7	90
999	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	5.6	86
998	Planning regional energy system in association with greenhouse gas mitigation under uncertainty. <i>Applied Energy</i> , 2011 , 88, 599-611	10.7	85
997	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	7.8	84
996	Planning of community-scale renewable energy management systems in a mixed stochastic and fuzzy environment. <i>Renewable Energy</i> , 2009 , 34, 1833-1847	8.1	82
995	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	3.5	82
994	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
993	GREY QUADRATIC PROGRAMMING AND ITS APPLICATION TO MUNICIPAL SOLID WASTE MANAGEMENT PLANNING UNDER UNCERTAINTY. <i>Engineering Optimization</i> , 1995 , 23, 201-223	2	80
992	Inexact multistage stochastic integer programming for water resources management under uncertainty. <i>Journal of Environmental Management</i> , 2008 , 88, 93-107	7.9	79
991	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	4.4	79
990	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	5.3	78
989	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	13.2	78
988	A Review on Optimization Modeling of Energy Systems Planning and GHG Emission Mitigation under Uncertainty. <i>Energies</i> , 2011 , 4, 1624-1656	3.1	78
987	Tribological study on hydrostatic slipper bearing with annular orifice damper for water hydraulic axial piston motor. <i>Tribology International</i> , 2006 , 39, 1342-1354	4.9	77
986	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	7.1	76
985	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, 303-10	4.1	76
984	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 ¹¹		75
983	Planning water resources management systems using a fuzzy-boundary interval-stochastic programming method. <i>Advances in Water Resources</i> , 2010 , 33, 1105-1117	4.7	75

982	Energy and environmental systems planning under uncertainty: An inexact fuzzy-stochastic programming approach. <i>Applied Energy</i> , 2010 , 87, 3189-3211	10.7	75
981	Municipal Solid Waste Management Under Uncertainty: A Mixed Interval Parameter Fuzzy-Stochastic Robust Programming Approach. <i>Environmental Engineering Science</i> , 2007 , 24, 338-352	2	75
980	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	7.9	75
979	An inexact optimization modeling approach for supporting energy systems planning and air pollution mitigation in Beijing city. <i>Energy</i> , 2012 , 37, 673-688	7.9	74
978	Radial interval chance-constrained programming for agricultural non-point source water pollution control under uncertainty. <i>Agricultural Water Management</i> , 2011 , 98, 1595-1606	5.9	72
977	Mixed interval fuzzy two-stage integer programming and its application to flood-diversion planning. <i>Engineering Optimization</i> , 2007 , 39, 163-183	2	72
976	SLFP: a stochastic linear fractional programming approach for sustainable waste management. <i>Waste Management</i> , 2011 , 31, 2612-9	8.6	71
975	Composting of lead-contaminated solid waste with inocula of white-rot fungus. <i>Bioresource Technology</i> , 2007 , 98, 320-6	11	71
974	Regional-scale electric power system planning under uncertainty: A multistage interval-stochastic integer linear programming approach. <i>Energy Policy</i> , 2010 , 38, 475-490	7.2	70
973	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	5.1	70
972	IFMP: Interval-fuzzy multistage programming for water resources management under uncertainty. <i>Resources, Conservation and Recycling</i> , 2008 , 52, 800-812	11.9	70
971	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	5.6	69
970	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	14.7	69
969	Microbial-growth inhibition during composting of food waste: effects of organic acids. <i>Bioresource Technology</i> , 2010 , 101, 5925-34	11	68
968	Development of distributed time-variant gain model for nonlinear hydrological systems. <i>Science in China Series D: Earth Sciences</i> , 2005 , 48, 713-723		68
967	Analysis of Solution Methods for Interval Linear Programming. <i>Journal of Environmental Informatics</i> , 2011 , 17, 54-64	3	68
966	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	3.5	67
965	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	2.8	67

964	A two-stage support-vector-regression optimization model for municipal solid waste management - a case study of Beijing, China. <i>Journal of Environmental Management</i> , 2011 , 92, 3023-37	7.9	66
963	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	3.9	65
962	Fuzzy-stochastic-based violation analysis method for planning water resources management systems with uncertain information. <i>Information Sciences</i> , 2009 , 179, 4261-4276	7.7	65
961	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	7.2	65
960	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	4	65
959	An interval-parameter minimax regret programming approach for power management systems planning under uncertainty. <i>Applied Energy</i> , 2011 , 88, 2835-2845	10.7	64
958	Effect of short-chain organic acids and pH on the behaviors of pyrene in soil-water system. <i>Chemosphere</i> , 2010 , 81, 1423-9	8.4	64
957	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	10.2	64
956	Inexact two-stage stochastic credibility constrained programming for water quality management. <i>Resources, Conservation and Recycling</i> , 2013 , 73, 122-132	11.9	63
955	Assessment of non-point source pollution using a spatial multicriteria analysis approach. <i>Ecological Modelling</i> , 2011 , 222, 313-321	3	63
954	Anaerobic digestion of livestock manure in cold regions: Technological advancements and global impacts. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109494	16.2	63
953	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	11	63
952	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	7.9	63
951	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	5.8	62
950	An interval-parameter waste-load-allocation model for river water quality management under uncertainty. <i>Environmental Management</i> , 2009 , 43, 999-1012	3.1	62
949	An Inexact Two-stage Fuzzy-stochastic Programming Model for Water Resources Management. <i>Water Resources Management</i> , 2008 , 22, 991-1016	3.7	62
948	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, 457-66	8.4	62
947	Simulation and optimization technologies for petroleum waste management and remediation process control. <i>Journal of Environmental Management</i> , 2009 , 90, 54-76	7.9	61

946	Development of an interval-valued fuzzy linear-programming method based on infinite cuts for water resources management. <i>Environmental Modelling and Software</i> , 2010 , 25, 354-361	5.2	60
945	Copulas-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	60
944	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	10.3	60
943	A simulation-based fuzzy chance-constrained programming model for optimal groundwater remediation under uncertainty. <i>Advances in Water Resources</i> , 2008 , 31, 1622-1635	4.7	59
942	A stepwise cluster analysis approach for downscaled climate projection –A Canadian case study. <i>Environmental Modelling and Software</i> , 2013 , 49, 141-151	5.2	57
941	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	5.6	57
940	A neural network predictive control system for paper mill wastewater treatment. <i>Engineering Applications of Artificial Intelligence</i> , 2003 , 16, 121-129	7.2	56
939	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	7.9	56
938	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	6	56
937	Planning of energy system management and GHG-emission control in the Municipality of Beijing –An inexact-dynamic stochastic programming model. <i>Energy Policy</i> , 2009 , 37, 4463-4473	7.2	55
936	IFTEM: An interval-fuzzy two-stage stochastic optimization model for regional energy systems planning under uncertainty. <i>Energy Policy</i> , 2009 , 37, 868-878	7.2	55
935	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	5.2	55
934	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	10.2	54
933	An interval full-infinite mixed-integer programming method for planning municipal energy systems –A case study of Beijing. <i>Applied Energy</i> , 2011 , 88, 2846-2862	10.7	54
932	A two-stage programming approach for water resources management under randomness and fuzziness. <i>Environmental Modelling and Software</i> , 2010 , 25, 1573-1581	5.2	54
931	Nitrification in natural waters with high suspended-solid content—a study for the Yellow River. <i>Chemosphere</i> , 2004 , 57, 1017-29	8.4	54
930	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	10.2	53
929	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	16.2	53

928	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	53
927	Modeling of substrate degradation and oxygen consumption in waste composting processes. <i>Waste Management</i> , 2008 , 28, 1375-85	8.6	53
926	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	52
925	Interactive two-stage stochastic fuzzy programming for water resources management. <i>Journal of Environmental Management</i> , 2011 , 92, 1986-95	7.9	52
924	An interval-parameter two-stage stochastic integer programming model for environmental systems planning under uncertainty. <i>Engineering Optimization</i> , 2006 , 38, 461-483	2	52
923	Investigation of public perception towards rural sustainable development based on a two-level expert system. <i>Expert Systems With Applications</i> , 2009 , 36, 8910-8924	7.8	51
922	An Inexact Chance-constrained Quadratic Programming Model for Stream Water Quality Management. <i>Water Resources Management</i> , 2009 , 23, 661-695	3.7	51
921	Fuzzy Relation Analysis for Multicriteria Water Resources Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1999 , 125, 41-47	2.8	51
920	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		51
919	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	10.7	51
918	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	17.1	50
917	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	10.6	50
916	Multistage scenario-based interval-stochastic programming for planning water resources allocation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 781-792	3.5	50
915	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	7.9	50
914	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	11.9	50
913	IPEM: An Interval-parameter Energy Systems Planning Model. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2008 , 30, 1382-1399	1.6	50
912	An interval nonlinear program for the planning of waste management systems with economies-of-scale effects: A case study for the region of Hamilton, Ontario, Canada. <i>European Journal of Operational Research</i> , 2006 , 171, 349-372	5.6	50
911	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	9.6	49

910	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	3.5	49
909	Hydrologic risk analysis in the Yangtze River basin through coupling Gaussian mixtures into copulas. <i>Advances in Water Resources</i> , 2016 , 88, 170-185	4.7	49
908	Performance of ceramic disk filter coated with nano ZnO for removing Escherichia coli from water in small rural and remote communities of developing regions. <i>Environmental Pollution</i> , 2018 , 238, 52-62	9.3	48
907	An inexact two-stage stochastic robust programming for residential micro-grid management-based on random demand. <i>Energy</i> , 2014 , 67, 186-199	7.9	48
906	Electric-power systems planning and greenhouse-gas emission management under uncertainty. <i>Energy Conversion and Management</i> , 2012 , 57, 173-182	10.6	48
905	Planning carbon emission trading for Beijing's electric power systems under dual uncertainties. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 23, 113-128	16.2	48
904	Waste management with recourse: an inexact dynamic programming model containing fuzzy boundary intervals in objectives and constraints. <i>Journal of Environmental Management</i> , 2010 , 91, 1898-913	7.9	48
903	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,	5.4	48
902	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	48
901	A dynamic optimization approach for nonrenewable energy resources management under uncertainty. <i>Journal of Petroleum Science and Engineering</i> , 2000 , 26, 301-309	4.4	48
900	Scenario analysis of carbon emissions' anti-driving effect on Qingdao's energy structure adjustment with an optimization model, Part I: Carbon emissions peak value prediction. <i>Journal of Cleaner Production</i> , 2018 , 172, 466-474	10.3	48
899	A factorial ecologically-extended input-output model for analyzing urban GHG emissions metabolism system. <i>Journal of Cleaner Production</i> , 2018 , 200, 922-933	10.3	47
898	Planning of regional energy systems: An inexact mixed-integer fractional programming model. <i>Applied Energy</i> , 2014 , 113, 500-514	10.7	47
897	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, 1757-73	10.2	47
896	Water Resources Management and Planning under Uncertainty: an Inexact Multistage Joint-Probabilistic Programming Method. <i>Water Resources Management</i> , 2009 , 23, 2515-2538	3.7	47
895	An interval-parameter stochastic robust optimization model for supporting municipal solid waste management under uncertainty. <i>Waste Management</i> , 2010 , 30, 316-27	8.6	47
894	Application of a by-product of <i>Lentinus edodes</i> to the bioremediation of chromate contaminated water. <i>Journal of Hazardous Materials</i> , 2006 , 135, 249-55	12.8	47
893	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	6	47

892	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	5.2	46
891	Generalized fuzzy linear programming for decision making under uncertainty: Feasibility of fuzzy solutions and solving approach. <i>Information Sciences</i> , 2013 , 241, 12-27	7.7	46
890	An inexact fuzzy-chance-constrained two-stage mixed-integer linear programming approach for flood diversion planning under multiple uncertainties. <i>Advances in Water Resources</i> , 2010 , 33, 81-91	4.7	46
889	Inexact Two-Stage Stochastic Robust Optimization Model for Water Resources Management Under Uncertainty. <i>Environmental Engineering Science</i> , 2009 , 26, 1765-1776	2	46
888	Two-stage planning for sustainable water-quality management under uncertainty. <i>Journal of Environmental Management</i> , 2009 , 90, 2402-13	7.9	46
887	A fuzzy decision aid model for environmental performance assessment in waste recycling. <i>Environmental Modelling and Software</i> , 2008 , 23, 677-689	5.2	46
886	IFTSIP: interval fuzzy two-stage stochastic mixed-integer linear programming: a case study for environmental management and planning. <i>Civil Engineering and Environmental Systems</i> , 2006 , 23, 73-99	2.1	46
885	Inter-regional carbon flows embodied in electricity transmission: network simulation for energy-carbon nexus. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 118, 109511	16.2	46
884	Insights into the Toxicity of Triclosan to Green Microalga <i>Chlorococum</i> sp. Using Synchrotron-Based Fourier Transform Infrared Spectromicroscopy: Biophysiological Analyses and Roles of Environmental Factors. <i>Environmental Science & Technology</i> , 2018 , 52, 2295-2306	10.3	45
883	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	5.9	45
882	Multi-Source Multi-Sector Sustainable Water Supply Under Multiple Uncertainties: An Inexact Fuzzy-Stochastic Quadratic Programming Approach. <i>Water Resources Management</i> , 2013 , 27, 451-473	3.7	45
881	High-resolution temperature and precipitation projections over Ontario, Canada: a coupled dynamical-statistical approach. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015 , 141, 1137-1146	6.4	44
880	Efficiency of single and mixed Gemini/conventional micelles on solubilization of phenanthrene. <i>Chemical Engineering Journal</i> , 2011 , 168, 201-207	14.7	44
879	An integrated approach for climate-change impact analysis and adaptation planning under multi-level uncertainties. Part II. Case study. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 3051-3073	16.3	44
878	Impacts of future climate change on river discharge based on hydrological inference: A case study of the Grand River Watershed in Ontario, Canada. <i>Science of the Total Environment</i> , 2016 , 548-549, 198-210	10.2	43
877	A hybrid fuzzy-stochastic programming method for water trading within an agricultural system. <i>Agricultural Systems</i> , 2014 , 123, 71-83	6.1	43
876	A robust modeling approach for regional water management under multiple uncertainties. <i>Agricultural Water Management</i> , 2011 , 98, 1577-1588	5.9	43
875	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	3.5	43

874	Development of an inexact optimization model for coupled coal and power management in North China. <i>Energy Policy</i> , 2009 , 37, 4345-4363	7.2	43
873	An interval fixed-mix stochastic programming method for greenhouse gas mitigation in energy systems under uncertainty. <i>Energy</i> , 2010 , 35, 4627-4644	7.9	43
872	Hybrid Fuzzy-Stochastic Modeling Approach for Assessing Environmental Risks at Contaminated Groundwater Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2003 , 129, 79-88	2	43
871	An integrated gravity-driven ecological bed for wastewater treatment in subtropical regions: Process design, performance analysis, and greenhouse gas emissions assessment. <i>Journal of Cleaner Production</i> , 2019 , 212, 1143-1153	10.3	43
870	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	9.3	42
869	A copula-based fuzzy chance-constrained programming model and its application to electric power generation systems planning. <i>Applied Energy</i> , 2017 , 187, 291-309	10.7	42
868	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	10.7	42
867	I-VFRP: An interval-valued fuzzy robust programming approach for municipal waste-management planning under uncertainty. <i>Engineering Optimization</i> , 2009 , 41, 399-418	2	42
866	Identification of optimal plans for municipal solid waste management in an environment of fuzziness and two-layer randomness. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 147-164	3.5	42
865	A simulation-based interval two-stage stochastic model for agricultural non-point source pollution control through land retirement. <i>Science of the Total Environment</i> , 2006 , 361, 38-56	10.2	42
864	A probabilistic reasoning-based decision support system for selection of remediation technologies for petroleum-contaminated sites. <i>Expert Systems With Applications</i> , 2006 , 30, 783-795	7.8	42
863	Trash-Flow Allocation: Planning Under Uncertainty. <i>Interfaces</i> , 1998 , 28, 36-55	0.7	42
862	Bivariate hydrologic risk analysis based on a coupled entropy-copula method for the Xiangxi River in the Three Gorges Reservoir area, China. <i>Theoretical and Applied Climatology</i> , 2016 , 125, 381-397	3	41
861	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	10.2	41
860	Evaluation of remedial options for a benzene-contaminated site through a simulation-based fuzzy-MCDA approach. <i>Journal of Hazardous Materials</i> , 2012 , 213-214, 421-33	12.8	41
859	Ensemble Projections of Regional Climatic Changes over Ontario, Canada. <i>Journal of Climate</i> , 2015 , 28, 7327-7346	4.4	41
858	Ecological network analysis for an industrial solid waste metabolism system. <i>Environmental Pollution</i> , 2019 , 244, 279-287	9.3	41
857	Dynamic stochastic fractional programming for sustainable management of electric power systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 53, 553-563	5.1	40

856	A genetic-algorithm-aided stochastic optimization model for regional air quality management under uncertainty. <i>Journal of the Air and Waste Management Association</i> , 2010 , 60, 63-71	2.4	40
855	An inexact optimization model for regional energy systems planning in the mixed stochastic and fuzzy environment. <i>International Journal of Energy Research</i> , 2009 , 33, 443-468	4.5	40
854	Interval-parameter Two-stage Stochastic Semi-infinite Programming: Application to Water Resources Management under Uncertainty. <i>Water Resources Management</i> , 2009 , 23, 1001-1023	3.7	40
853	Fuzzy two-stage quadratic programming for planning solid waste management under uncertainty. <i>International Journal of Systems Science</i> , 2007 , 38, 219-233	2.3	40
852	Exchange of Ca ²⁺ , Mg ²⁺ and K ⁺ and uptake of H ⁺ , for the subtropical forest canopies influenced by acid rain in Shaoshan forest located in Central South China. <i>Plant Science</i> , 2005 , 168, 259-266	5.3	40
851	Planning municipal-scale mixed energy system for stimulating renewable energy under multiple uncertainties - The City of Qingdao in Shandong Province, China. <i>Energy</i> , 2019 , 166, 1120-1133	7.9	40
850	Effects of carbon and environmental tax on power mix planning - A case study of Hebei Province, China. <i>Energy</i> , 2018 , 143, 645-657	7.9	40
849	Planning sustainable electric-power system with carbon emission abatement through CDM under uncertainty. <i>Applied Energy</i> , 2015 , 140, 350-364	10.7	39
848	An integrated approach for water resources decision making under interactive and compound uncertainties. <i>Omega</i> , 2014 , 44, 32-40	7.2	39
847	An inexact two-stage stochastic programming model for water resources management in Nansihu Lake Basin, China. <i>Journal of Environmental Management</i> , 2013 , 127, 188-205	7.9	39
846	Projected increases in intensity and frequency of rainfall extremes through a regional climate modeling approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 13,271-13,286	4.4	39
845	Stepwise adsorption of phenanthrene at the fly ash-water interface as affected by solution chemistry: experimental and modeling studies. <i>Environmental Science & Technology</i> , 2012 , 46, 12742-50	10.3	39
844	Identifying Optimal Water Resources Allocation Strategies through an Interactive Multi-Stage Stochastic Fuzzy Programming Approach. <i>Water Resources Management</i> , 2012 , 26, 2015-2038	3.7	39
843	A dual-interval vertex analysis method and its application to environmental decision making under uncertainty. <i>European Journal of Operational Research</i> , 2010 , 200, 536-550	5.6	39
842	A stochastic optimization model under modeling uncertainty and parameter certainty for groundwater remediation design--part I. Model development. <i>Journal of Hazardous Materials</i> , 2010 , 176, 521-6	12.8	39
841	ISMISIP: an inexact stochastic mixed integer linear semi-infinite programming approach for solid waste management and planning under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008 , 22, 759-775	3.5	39
840	Modelling and measurement of two-layer-canopy interception losses in a subtropical evergreen forest of central-south China. <i>Hydrology and Earth System Sciences</i> , 2006 , 10, 65-77	5.5	39
839	Dynamic input-output analysis for energy metabolism system in the Province of Guangdong, China. <i>Journal of Cleaner Production</i> , 2018 , 196, 747-762	10.3	39

838	Plasma-induced poly(acrylic acid)-TiO ₂ coated polyvinylidene fluoride membrane for produced water treatment: Synchrotron X-Ray, optimization, and insight studies. <i>Journal of Cleaner Production</i> , 2019 , 227, 772-783	10.3	38
837	Improving Robustness of Hydrologic Ensemble Predictions Through Probabilistic Pre- and Post-Processing in Sequential Data Assimilation. <i>Water Resources Research</i> , 2018 , 54, 2129-2151	5.4	38
836	An integrated optimization modeling approach for planning emission trading and clean-energy development under uncertainty. <i>Renewable Energy</i> , 2014 , 62, 31-46	8.1	38
835	Modeling of state of vegetation and soil erosion over large areas. <i>International Journal of Sediment Research</i> , 2008 , 23, 181-196	3	38
834	Transport behaviors of anionic azo dyes at interface between surfactant-modified flax shives and aqueous solution: Synchrotron infrared and adsorption studies. <i>Applied Surface Science</i> , 2017 , 405, 119-128	6.7	37
833	Insights into Long-Term Toxicity of Triclosan to Freshwater Green Algae in Lake Erie. <i>Environmental Science & Technology</i> , 2019 , 53, 2189-2198	10.3	37
832	A PCM-based stochastic hydrological model for uncertainty quantification in watershed systems. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 915-927	3.5	37
831	Integer fuzzy credibility constrained programming for power system management. <i>Energy</i> , 2012 , 38, 398-405	7.9	37
830	Simulation-based inexact chance-constrained nonlinear programming for eutrophication management in the Xiangxi Bay of Three Gorges Reservoir. <i>Journal of Environmental Management</i> , 2012 , 108, 54-65	7.9	37
829	Use of potassium dihydrogen phosphate and sawdust as adsorbents of ammoniacal nitrogen in aerobic composting process. <i>Journal of Hazardous Materials</i> , 2007 , 141, 736-44	12.8	37
828	The evolution of Resources Conservation and Recycling over the past 30 years: A bibliometric overview. <i>Resources, Conservation and Recycling</i> , 2018 , 134, 34-43	11.9	36
827	Reduction of Escherichia Coli using ceramic disk filter decorated by nano-TiO: A low-cost solution for household water purification. <i>Science of the Total Environment</i> , 2018 , 616-617, 1628-1637	10.2	36
826	Risk-based electric power system planning for climate change mitigation through multi-stage joint-probabilistic left-hand-side chance-constrained fractional programming: A Canadian case study. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 1056-1067	16.2	36
825	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
824	A dynamic inexact energy systems planning model for supporting greenhouse-gas emission management and sustainable renewable energy development under uncertainty: A case study for the City of Waterloo, Canada. <i>Renewable and Sustainable Energy Reviews</i> , 2009 , 13, 1836-1853	16.2	36
823	Investigation on the solubilization of polycyclic aromatic hydrocarbons in the presence of single and mixed Gemini surfactants. <i>Journal of Hazardous Materials</i> , 2011 , 190, 840-7	12.8	36
822	An inexact two-stage stochastic energy systems planning model for managing greenhouse gas emission at a municipal level. <i>Energy</i> , 2010 , 35, 2270-2280	7.9	36
821	ICCSIP: An Inexact Chance-Constrained Semi-infinite Programming Approach for Energy Systems Planning under Uncertainty. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2008 , 30, 1345-1366	1.6	36

820	Immobilization of tetrabromobisphenol A by pinecone-derived biochars at solid-liquid interface: Synchrotron-assisted analysis and role of inorganic fertilizer ions. <i>Chemical Engineering Journal</i> , 2017 , 321, 346-357	14.7	35
819	Planning Water Resources Allocation Under Multiple Uncertainties Through a Generalized Fuzzy Two-Stage Stochastic Programming Method. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1488-1504	8.3	35
818	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	6	35
817	Development of a stochastic simulation-optimization model for planning electric power systems – A case study of Shanghai, China. <i>Energy Conversion and Management</i> , 2014 , 86, 111-124	10.6	35
816	Research on low cavitation in water hydraulic two-stage throttle poppet valve. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2006 , 220, 167-179	1.5	35
815	Chance-constrained two-stage fractional optimization for planning regional energy systems in British Columbia, Canada. <i>Applied Energy</i> , 2015 , 154, 663-677	10.7	34
814	Gemini micellar enhanced ultrafiltration (GMEUF) process for the treatment of phenol wastewater. <i>Desalination</i> , 2013 , 311, 31-36	10.3	34
813	An interval-fuzzy two-stage stochastic programming model for planning carbon dioxide trading under uncertainty. <i>Energy</i> , 2011 , 36, 5677-5689	7.9	34
812	An interval-valued fuzzy linear programming with infinite cuts method for environmental management under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011 , 25, 211-222	2.5	34
811	A Dynamic Optimization Approach for Power Generation Planning under Uncertainty. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2008 , 30, 1413-1431	1.6	34
810	Long-Term Planning of an Integrated Solid Waste Management System under Uncertainty – Model Development. <i>Environmental Engineering Science</i> , 2005 , 22, 823-834	2	34
809	Development of a copula-based particle filter (CopPF) approach for hydrologic data assimilation under consideration of parameter interdependence. <i>Water Resources Research</i> , 2017 , 53, 4850-4875	5.4	33
808	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
807	The application of semicircular-buffer-based land use regression models incorporating wind direction in predicting quarterly NO ₂ and PM ₁₀ concentrations. <i>Atmospheric Environment</i> , 2015 , 103, 18-24	5.3	33
806	A fuzzy-stochastic simulation-optimization model for planning electric power systems with considering peak-electricity demand: A case study of Qingdao, China. <i>Energy</i> , 2016 , 98, 190-203	7.9	33
805	Planning renewable energy in electric power system for sustainable development under uncertainty – A case study of Beijing. <i>Applied Energy</i> , 2016 , 162, 772-786	10.7	33
804	A dual-interval fixed-mix stochastic programming method for water resources management under uncertainty. <i>Resources, Conservation and Recycling</i> , 2014 , 88, 50-66	11.9	33
803	High-Resolution Probabilistic Projections of Temperature Changes over Ontario, Canada. <i>Journal of Climate</i> , 2014 , 27, 5259-5284	4.4	33

802	Integrated modeling approach for sustainable municipal energy system planning and management A case study of Shenzhen, China. <i>Journal of Cleaner Production</i> , 2014 , 75, 143-156	10.3	33
801	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
800	An inexact fuzzy two-stage stochastic model for quantifying the efficiency of nonpoint source effluent trading under uncertainty. <i>Science of the Total Environment</i> , 2005 , 347, 21-34	10.2	33
799	Integrated environmental risk assessment for petroleum-contaminated sites - a North American case study. <i>Water Science and Technology</i> , 1998 , 38, 131-138	2.2	33
798	Future changes in precipitation extremes over China projected by a regional climate model ensemble. <i>Atmospheric Environment</i> , 2018 , 188, 142-156	5.3	33
797	Water resources management under uncertainty: factorial multi-stage stochastic program with chance constraints. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 945-957	3.5	32
796	A stepwise-cluster forecasting approach for monthly streamflows based on climate teleconnections. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1557-1569	3.5	32
795	A nonlinear fractional programming approach for environmental-economic power dispatch. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 78, 463-469	5.1	32
794	Interactive Toxicity of Triclosan and Nano-TiO to Green Alga in Lake Erie: A New Perspective Based on Fourier Transform Infrared Spectromicroscopy and Synchrotron-Based X-ray Fluorescence Imaging. <i>Environmental Science & Technology</i> , 2019 , 53, 9884-9894	10.3	32
793	Enhancement of soil retention for phenanthrene in binary cationic gemini and nonionic surfactant mixtures: characterizing two-step adsorption and partition processes through experimental and modeling approaches. <i>Journal of Hazardous Materials</i> , 2015 , 286, 144-51	12.8	32
792	A robust approach for planning electric power systems associated with environmental policy analysis. <i>Electric Power Systems Research</i> , 2013 , 95, 99-111	3.5	32
791	A Fuzzy Robust Nonlinear Programming Model for Stream Water Quality Management. <i>Water Resources Management</i> , 2009 , 23, 2913-2940	3.7	32
790	A coupled simulation-optimization approach for groundwater remediation design under uncertainty: an application to a petroleum-contaminated site. <i>Environmental Pollution</i> , 2009 , 157, 2485-92	8.3	32
789	Development of a GHG-mitigation oriented inexact dynamic model for regional energy system management. <i>Energy</i> , 2011 , 36, 3388-3398	7.9	32
788	A fuzzy composting process model. <i>Journal of the Air and Waste Management Association</i> , 2007 , 57, 535-541	5.0	32
787	An Inexact Fuzzy-robust Two-stage Programming Model for Managing Sulfur Dioxide Abatement Under Uncertainty. <i>Environmental Modeling and Assessment</i> , 2008 , 13, 77-91	2	32
786	Assessment of cleaner production options for alcohol industry of China: a study in the Shouguang Alcohol Factory. <i>Journal of Cleaner Production</i> , 2006 , 14, 94-103	10.3	32
785	Integrated Simulation-Optimization Approach for Real-Time Dynamic Modeling and Process Control of Surfactant-Enhanced Remediation at Petroleum-Contaminated Sites. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2003 , 7, 95-105		32

784	Metabolism of urban wastewater: Ecological network analysis for Guangdong Province, China. <i>Journal of Cleaner Production</i> , 2019 , 217, 510-519	10.3	31
783	Carbon and air pollutants constrained energy planning for clean power generation with a robust optimization model: A case study of Jining City, China. <i>Applied Energy</i> , 2014 , 136, 150-167	10.7	31
782	Inexact two-stage stochastic partial programming: application to water resources management under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 281-293	3.5	31
781	Enhanced aqueous solubility of naphthalene and pyrene by binary and ternary Gemini cationic and conventional nonionic surfactants. <i>Chemosphere</i> , 2012 , 89, 1347-53	8.4	31
780	Factorial two-stage stochastic programming for water resources management. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011 , 25, 67-78	3.5	31
779	Planning of municipal solid waste management systems under dual uncertainties: a hybrid interval stochastic programming approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 707-720	3.5	31
778	Optimization of regional economic and environmental systems under fuzzy and random uncertainties. <i>Journal of Environmental Management</i> , 2011 , 92, 2010-20	7.9	31
777	An integrated two-stage optimization model for the development of long-term waste-management strategies. <i>Science of the Total Environment</i> , 2008 , 392, 175-86	10.2	31
776	Characterization and Evaluation of Elevation Data Uncertainty in Water Resources Modeling with GIS. <i>Water Resources Management</i> , 2008 , 22, 959-972	3.7	31
775	Ecological network analysis for urban metabolism and carbon emissions based on input-output tables: A case study of Guangdong province. <i>Ecological Modelling</i> , 2018 , 383, 118-126	3	30
774	Drought Occurring With Hot Extremes: Changes Under Future Climate Change on Loess Plateau, China. <i>Earth's Future</i> , 2019 , 7, 587-604	7.9	30
773	Coupled planning of water resources and agricultural landuse based on an inexact-stochastic programming model. <i>Frontiers of Earth Science</i> , 2014 , 8, 70-80	1.7	30
772	A robust risk analysis method for water resources allocation under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 713-723	3.5	30
771	A polynomial chaos ensemble hydrologic prediction system for efficient parameter inference and robust uncertainty assessment. <i>Journal of Hydrology</i> , 2015 , 530, 716-733	6	30
770	. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 897-908	8.3	30
769	Improved solubilities of PAHs by multi-component Gemini surfactant systems with different spacer lengths. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 423, 50-57	5.1	30
768	Fuzzy robust credibility-constrained programming for environmental management and planning. <i>Journal of the Air and Waste Management Association</i> , 2010 , 60, 711-21	2.4	30
767	Building channel networks for flat regions in digital elevation models. <i>Hydrological Processes</i> , 2009 , 23, 2879-2887	3.3	30

766	A Fuzzy-Set Approach for Addressing Uncertainties in Risk Assessment of Hydrocarbon-Contaminated Site. <i>Water, Air, and Soil Pollution</i> , 2006 , 171, 5-18	2.6	30
765	Probabilistic Prediction for Monthly Streamflow through Coupling Stepwise Cluster Analysis and Quantile Regression Methods. <i>Water Resources Management</i> , 2016 , 30, 5313-5331	3.7	30
764	Planning carbon dioxide mitigation of Qingdao's electric power systems under dual uncertainties. <i>Journal of Cleaner Production</i> , 2016 , 139, 473-487	10.3	30
763	Transfer of virtual water embodied in food: A new perspective. <i>Science of the Total Environment</i> , 2019 , 659, 872-883	10.2	30
762	Assessment of uncertainty effects on crop planning and irrigation water supply using a Monte Carlo simulation based dual-interval stochastic programming method. <i>Journal of Cleaner Production</i> , 2017 , 149, 945-967	10.3	29
761	A robust optimization modelling approach for managing water and farmland use between anthropogenic modification and ecosystems protection under uncertainties. <i>Ecological Engineering</i> , 2015 , 76, 95-109	3.9	29
760	Planning Agricultural Water Resources System Associated With Fuzzy and Random Features ¹ . <i>Journal of the American Water Resources Association</i> , 2011 , 47, 841-860	2.1	29
759	Inexact de Novo programming for water resources systems planning. <i>European Journal of Operational Research</i> , 2009 , 199, 531-541	5.6	29
758	Health-risk-based groundwater remediation system optimization through clusterwise linear regression. <i>Environmental Science & Technology</i> , 2008 , 42, 9237-43	10.3	29
757	A Stepwise-Inference-Based Optimization System for Supporting Remediation of Petroleum-Contaminated Sites. <i>Water, Air, and Soil Pollution</i> , 2007 , 185, 349-368	2.6	29
756	ITSSIP: Interval-parameter two-stage stochastic semi-infinite programming for environmental management under uncertainty. <i>Environmental Modelling and Software</i> , 2008 , 23, 1422-1437	5.2	29
755	An inexact two-stage mixed integer linear programming model for waste management under uncertainty. <i>Civil Engineering and Environmental Systems</i> , 2004 , 21, 187-206	2.1	29
754	Long-Term Planning of an Integrated Solid Waste Management System under Uncertainty ^{II} . A North American Case Study. <i>Environmental Engineering Science</i> , 2005 , 22, 835-853	2	29
753	Parameter uncertainty and temporal dynamics of sensitivity for hydrologic models: A hybrid sequential data assimilation and probabilistic collocation method. <i>Environmental Modelling and Software</i> , 2016 , 86, 30-49	5.2	29
752	Analyzing climate change impacts on water resources under uncertainty using an integrated simulation-optimization approach. <i>Journal of Hydrology</i> , 2018 , 556, 523-538	6	29
751	Enhanced nitrogen removal in the treatment of rural domestic sewage using vertical-flow multi-soil-layering systems: Experimental and modeling insights. <i>Journal of Environmental Management</i> , 2019 , 240, 273-284	7.9	28
750	Multicriteria decision making under uncertainty: An advanced ordered weighted averaging operator for planning electric power systems. <i>Engineering Applications of Artificial Intelligence</i> , 2012 , 25, 72-81	7.2	28
749	Inexact fuzzy-stochastic mixed-integer programming approach for long-term planning of waste management--Part A: methodology. <i>Journal of Environmental Management</i> , 2009 , 91, 461-70	7.9	28

748	An interval-based possibilistic programming method for waste management with cost minimization and environmental-impact abatement under uncertainty. <i>Science of the Total Environment</i> , 2010 , 408, 4296-308	10.2	28
747	Land resources adaptation planning under changing climate—study for the Mackenzie Basin. <i>Resources, Conservation and Recycling</i> , 1998 , 24, 95-119	11.9	28
746	A robust flexible-probabilistic programming method for planning municipal energy system with considering peak-electricity price and electric vehicle. <i>Energy Conversion and Management</i> , 2017 , 137, 97-112	10.6	27
745	Integrated GHG emissions and emission relationships analysis through a disaggregated ecologically-extended input-output model; A case study for Saskatchewan, Canada. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 106, 97-109	16.2	27
744	Ecological network analysis of an urban water metabolic system based on input-output model: A case study of Guangdong, China. <i>Science of the Total Environment</i> , 2019 , 670, 369-378	10.2	27
743	Development of a Stepwise-Clustered Hydrological Inference Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04015008	1.8	27
742	An inexact mixed risk-aversion two-stage stochastic programming model for water resources management under uncertainty. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2964-75	5.1	27
741	A Bayesian-based multilevel factorial analysis method for analyzing parameter uncertainty of hydrological model. <i>Journal of Hydrology</i> , 2017 , 553, 750-762	6	27
740	Interval-parameter Fuzzy-stochastic Semi-infinite Mixed-integer Linear Programming for Waste Management under Uncertainty. <i>Environmental Modeling and Assessment</i> , 2009 , 14, 521-537	2	27
739	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
738	An Integrated Simulation-Assessment Approach for Evaluating Health Risks of Groundwater Contamination Under Multiple Uncertainties. <i>Water Resources Management</i> , 2010 , 24, 3349-3369	3.7	27
737	Interval-parameter robust quadratic programming for water quality management under uncertainty. <i>Engineering Optimization</i> , 2008 , 40, 613-635	2	27
736	Robust optimisation for inexact water quality management under uncertainty. <i>Civil Engineering and Environmental Systems</i> , 2008 , 25, 167-184	2.1	27
735	Effect of biodelignification of rice straw on humification and humus quality by Phanerochaete chrysosporium and Streptomyces badius. <i>International Biodeterioration and Biodegradation</i> , 2008 , 61, 331-336	4.8	27
734	A factorial dual-objective rural environmental management model. <i>Journal of Cleaner Production</i> , 2016 , 124, 204-216	10.3	27
733	Modeling Water Trading under Uncertainty for Supporting Water Resources Management in an Arid Region. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04015058	2.8	26
732	Robust cost-risk tradeoff for day-ahead schedule optimization in residential microgrid system under worst-case conditional value-at-risk consideration. <i>Energy</i> , 2018 , 153, 324-337	7.9	26
731	A simulation-based water-environment management model for regional sustainability in compound wetland ecosystem under multiple uncertainties. <i>Ecological Modelling</i> , 2016 , 334, 60-77	3	26

730	Violation analysis on two-step method for interval linear programming. <i>Information Sciences</i> , 2014 , 281, 85-96	7.7	26
729	A sequential factorial analysis approach to characterize the effects of uncertainties for supporting air quality management. <i>Atmospheric Environment</i> , 2013 , 67, 304-312	5.3	26
728	A coupled ensemble filtering and probabilistic collocation approach for uncertainty quantification of hydrological models. <i>Journal of Hydrology</i> , 2015 , 530, 255-272	6	26
727	A Hybrid Dynamic Dual Interval Programming for Irrigation Water Allocation under Uncertainty. <i>Water Resources Management</i> , 2012 , 26, 1183-1200	3.7	26
726	A mathematical model for identifying an optimal waste management policy under uncertainty. <i>Applied Mathematical Modelling</i> , 2012 , 36, 2658-2673	4.5	26
725	A two-stage mixed-integer fuzzy programming with interval-valued membership functions approach for flood-diversion planning. <i>Journal of Environmental Management</i> , 2013 , 117, 208-18	7.9	26
724	An interval-valued minimax-regret analysis approach for the identification of optimal greenhouse-gas abatement strategies under uncertainty. <i>Energy Policy</i> , 2011 , 39, 4313-4324	7.2	26
723	An interval-based regret-analysis method for identifying long-term municipal solid waste management policy under uncertainty. <i>Journal of Environmental Management</i> , 2011 , 92, 1484-94	7.9	26
722	Robust interval linear programming for environmental decision making under uncertainty. <i>Engineering Optimization</i> , 2012 , 44, 1321-1336	2	26
721	A fuzzy-based simulation method for modelling hydrological processes under uncertainty. <i>Hydrological Processes</i> , 2010 , 24, 3718-3732	3.3	26
720	Violation analysis for solid waste management systems: an interval fuzzy programming approach. <i>Journal of Environmental Management</i> , 2002 , 65, 431-446	7.9	26
719	A risk-based interactive multi-stage stochastic programming approach for water resources planning under dual uncertainties. <i>Advances in Water Resources</i> , 2016 , 94, 217-230	4.7	26
718	Multivariate flood risk analysis for Wei River. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 225-242	3.5	25
717	Investigating future precipitation changes over China through a high-resolution regional climate model ensemble. <i>Earth's Future</i> , 2017 , 5, 285-303	7.9	25
716	Multistage stochastic inexact chance-constraint programming for an integrated biomass-municipal solid waste power supply management under uncertainty. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 41, 1244-1254	16.2	25
715	Optimization of electric power systems with cost minimization and environmental-impact mitigation under multiple uncertainties. <i>Applied Energy</i> , 2018 , 221, 249-267	10.7	25
714	A simulation-based fuzzy possibilistic programming model for coal blending management with consideration of human health risk under uncertainty. <i>Applied Energy</i> , 2014 , 133, 1-13	10.7	25
713	Planning municipal-scale energy systems under functional interval uncertainties. <i>Renewable Energy</i> , 2012 , 39, 71-84	8.1	25

712	A modeling approach for investigating climate change impacts on renewable energy utilization. <i>International Journal of Energy Research</i> , 2012 , 36, 764-777	4.5	25
711	An inexact programming method for agricultural irrigation systems under parameter uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 759-768	3.5	25
710	Identification of relationship between sunspots and natural runoff in the Yellow River based on discrete wavelet analysis. <i>Expert Systems With Applications</i> , 2009 , 36, 3309-3318	7.8	25
709	AN INDEPENDENT VARIABLE CONTROLLED GREY FUZZY LINEAR PROGRAMMING APPROACH FOR WASTE FLOW ALLOCATION PLANNING. <i>Engineering Optimization</i> , 2000 , 33, 87-111	2	25
708	A fractional factorial probabilistic collocation method for uncertainty propagation of hydrologic model parameters in a reduced dimensional space. <i>Journal of Hydrology</i> , 2015 , 529, 1129-1146	6	24
707	Inexact stochastic optimization model for industrial water resources allocation under considering pollution charges and revenue-risk control. <i>Journal of Cleaner Production</i> , 2018 , 203, 109-124	10.3	24
706	Bivariate probabilistic quantification of drought impacts on terrestrial vegetation dynamics in mainland China. <i>Journal of Hydrology</i> , 2019 , 577, 123980	6	24
705	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
704	Optimization of the industrial structure facing sustainable development in resource-based city subjected to water resources under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 659-673	3.5	24
703	A robust optimization method for planning regional-scale electric power systems and managing carbon dioxide. <i>International Journal of Electrical Power and Energy Systems</i> , 2012 , 40, 70-84	5.1	24
702	Feasibility-based inexact fuzzy programming for electric power generation systems planning under dual uncertainties. <i>Applied Energy</i> , 2011 , 88, 4642-4654	10.7	24
701	Inexact fuzzy-stochastic constraint-softened programming - A case study for waste management. <i>Waste Management</i> , 2009 , 29, 2165-77	8.6	24
700	FSWM: A hybrid fuzzy-stochastic water-management model for agricultural sustainability under uncertainty. <i>Agricultural Water Management</i> , 2009 , 96, 1807-1818	5.9	24
699	Simulation-based optimization of dual-phase vacuum extraction to remove nonaqueous phase liquids in subsurface. <i>Water Resources Research</i> , 2008 , 44,	5.4	24
698	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
697	Planning water resources systems with interval stochastic dynamic programming. <i>Water Resources Management</i> , 2007 , 21, 997-1014	3.7	24
696	Ecological network analysis of an energy metabolism system based on input-output tables: Model development and case study for Guangdong. <i>Journal of Cleaner Production</i> , 2019 , 227, 434-446	10.3	23
695	Dynamic analysis of industrial solid waste metabolism at aggregated and disaggregated levels. <i>Journal of Cleaner Production</i> , 2019 , 221, 817-827	10.3	23

694	An optimization model for regional micro-grid system management based on hybrid inexact stochastic-fuzzy chance-constrained programming. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 64, 1025-1039	5.1	23
693	Planning regional-scale electric power systems under uncertainty: A case study of Jing-Jin-Ji region, China. <i>Applied Energy</i> , 2018 , 212, 834-849	10.7	23
692	An inexact robust nonlinear optimization method for energy systems planning under uncertainty. <i>Renewable Energy</i> , 2012 , 47, 55-66	8.1	23
691	A recourse-based nonlinear programming model for stream water quality management. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 207-223	3.5	23
690	An interval-parameter two-stage stochastic fuzzy program with type-2 membership functions: an application to water resources management. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1493-1506	3.5	23
689	A robust simulation-optimization modeling system for effluent trading--a case study of nonpoint source pollution control. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 5036-53	5.1	23
688	A Two-Step Infinite Cuts Fuzzy Linear Programming Method in Determination of Optimal Allocation Strategies in Agricultural Irrigation Systems. <i>Water Resources Management</i> , 2009 , 23, 2249-2269	3.7	23
687	An Inexact Two-Stage Quadratic Program for Water Resources Planning. <i>Journal of Environmental Informatics</i> , 2007 , 10, 99-105	3	23
686	Threshold flux and limiting flux for micellar enhanced ultrafiltration as affected by feed water: experimental and modeling studies. <i>Journal of Cleaner Production</i> , 2016 , 112, 1241-1251	10.3	22
685	Uncertainty analysis for effluent trading planning using a Bayesian estimation-based simulation-optimization modeling approach. <i>Water Research</i> , 2017 , 116, 159-181	12.5	22
684	Towards robust quantification and reduction of uncertainty in hydrologic predictions: Integration of particle Markov chain Monte Carlo and factorial polynomial chaos expansion. <i>Journal of Hydrology</i> , 2017 , 548, 484-497	6	22
683	Achieving the objective of ecological planning for arid inland river basin under uncertainty based on ecological risk assessment. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 1485-1501	3.5	22
682	A non-probabilistic programming approach enabling risk-aversion analysis for supporting sustainable watershed development. <i>Journal of Cleaner Production</i> , 2016 , 112, 4771-4788	10.3	22
681	An inexact robust optimization method for supporting carbon dioxide emissions management in regional electric-power systems. <i>Energy Economics</i> , 2013 , 40, 441-456	8.3	22
680	A scenario-based modeling approach for emergency evacuation management and risk analysis under multiple uncertainties. <i>Journal of Hazardous Materials</i> , 2013 , 246-247, 234-44	12.8	22
679	Enhanced Coagulation/Flocculation by Combining Diatomite with Synthetic Polymers for Oily Wastewater Treatment. <i>Separation Science and Technology</i> , 2014 , 49, 999-1007	2.5	22
678	Adsorption of Cu and Zn onto Mn/Fe Oxides and Organic Materials in the Extractable Fractions of River Surficial Sediments. <i>Soil and Sediment Contamination</i> , 2009 , 18, 87-101	3.2	22
677	A generalized fuzzy linear programming approach for environmental management problem under uncertainty. <i>Journal of the Air and Waste Management Association</i> , 2012 , 62, 72-86	2.4	22

676	Inexact Multistage Stochastic Quadratic Programming Method for Planning Water Resources Systems under Uncertainty. <i>Environmental Engineering Science</i> , 2007 , 24, 1361-1378	2	22
675	SEWHAPM: Development of a Water Hydraulic Axial Piston Motor for Underwater Tool Systems. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2005 , 219, 639-655	1.3	22
674	Exploring the decentralized treatment of sulfamethoxazole-contained poultry wastewater through vertical-flow multi-soil-layering systems in rural communities. <i>Water Research</i> , 2021 , 188, 116480	12.5	22
673	An inexact fixed-mix fuzzy-stochastic programming model for heat supply management in wind power heating system under uncertainty. <i>Journal of Cleaner Production</i> , 2016 , 112, 1717-1728	10.3	21
672	A multistage stochastic robust optimization model with fuzzy probability distribution for water supply management under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 125-143	3.5	21
671	A two-stage fuzzy chance-constrained water management model. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 12437-12454	5.1	21
670	Projected increases in near-surface air temperature over Ontario, Canada: a regional climate modeling approach. <i>Climate Dynamics</i> , 2015 , 45, 1381-1393	4.2	21
669	A copula-based fuzzy interval-random programming approach for planning water-energy nexus system under uncertainty. <i>Energy</i> , 2020 , 196, 117063	7.9	21
668	Electric power system planning with renewable energy accommodation for supporting the sustainable development of Tangshan City, China. <i>Journal of Cleaner Production</i> , 2016 , 139, 1308-1325	10.3	21
667	Water resources management under dual uncertainties: a factorial fuzzy two-stage stochastic programming approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 795-811	3.5	21
666	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
665	Flexible interval mixed-integer bi-infinite programming for environmental systems management under uncertainty. <i>Journal of Environmental Management</i> , 2009 , 90, 1802-13	7.9	21
664	A fuzzy linear programming approach for municipal solid-waste management under uncertainty. <i>Engineering Optimization</i> , 2009 , 41, 1081-1101	2	21
663	Incorporating Climate Change into Risk Assessment Using Grey Mathematical Programming. <i>Journal of Environmental Management</i> , 1997 , 49, 107-123	7.9	21
662	Effects of rhamnolipid on degradation of granular organic substrate from kitchen waste by a <i>Pseudomonas aeruginosa</i> strain. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007 , 58, 91-7	6	21
661	Flood Vulnerability to Climate Change through Hydrological Modeling. <i>Water International</i> , 2005 , 30, 31-39	2.4	21
660	A biophysiological perspective on enhanced nitrate removal from decentralized domestic sewage using gravitational-flow multi-soil-layering systems. <i>Chemosphere</i> , 2020 , 240, 124868	8.4	21
659	Network analysis of different types of food flows: Establishing the interaction between food flows and economic flows. <i>Resources, Conservation and Recycling</i> , 2019 , 143, 143-153	11.9	21

658	A factorial CGE model for analyzing the impacts of stepped carbon tax on Chinese economy and carbon emission. <i>Science of the Total Environment</i> , 2021 , 759, 143512	10.2	21
657	Market-based stochastic optimization of water resources systems for improving drought resilience and economic efficiency in arid regions. <i>Journal of Cleaner Production</i> , 2019 , 233, 522-537	10.3	20
656	A robust possibilistic mixed-integer programming method for planning municipal electric power systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 73, 757-772	5.1	20
655	A dynamic model to optimize municipal electric power systems by considering carbon emission trading under uncertainty. <i>Energy</i> , 2015 , 88, 636-649	7.9	20
654	Integrated inexact energy systems planning under climate change: A case study of Yukon Territory, Canada. <i>Applied Energy</i> , 2018 , 229, 493-504	10.7	20
653	Development of a clusterwise-linear-regression-based forecasting system for characterizing DNAPL dissolution behaviors in porous media. <i>Science of the Total Environment</i> , 2012 , 433, 141-50	10.2	20
652	A fuzzy-Markov-chain-based analysis method for reservoir operation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 375-391	3.5	20
651	Modeling for planning municipal electric power systems associated with air pollution control – A case study of Beijing. <i>Energy</i> , 2013 , 60, 168-186	7.9	20
650	Studies of membrane fouling mechanisms involved in the micellar-enhanced ultrafiltration using blocking models. <i>RSC Advances</i> , 2015 , 5, 48484-48491	3.7	20
649	A two-stage inexact joint-probabilistic programming method for air quality management under uncertainty. <i>Journal of Environmental Management</i> , 2011 , 92, 813-26	7.9	20
648	A semi-infinite analysis-based inexact two-stage stochastic fuzzy linear programming approach for water resources management. <i>Engineering Optimization</i> , 2009 , 41, 73-85	2	20
647	Application of Bayesian Regularized BP Neural Network Model for Trend Analysis, Acidity and Chemical Composition of Precipitation in North Carolina. <i>Water, Air, and Soil Pollution</i> , 2006 , 172, 167-184 ^{2,6}	2.6	20
646	Selective electrochemical molecular recognition of benzenediol isomers using molecularly imprinted TiO ₂ film electrodes. <i>Analytica Chimica Acta</i> , 2004 , 506, 31-39	6.6	20
645	Development of an expert system for tackling the public's perception to climate-change impacts on petroleum industry. <i>Expert Systems With Applications</i> , 2005 , 29, 817-829	7.8	20
644	Optimizing water resources allocation and soil salinity control for supporting agricultural and environmental sustainable development in Central Asia. <i>Science of the Total Environment</i> , 2020 , 704, 135281	10.2	20
643	Effluent trading planning and its application in water quality management: A factor-interaction perspective. <i>Environmental Research</i> , 2019 , 168, 286-305	7.9	20
642	Identification of water quality management policy of watershed system with multiple uncertain interactions using a multi-level-factorial risk-inference-based possibilistic-probabilistic programming approach. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 14980-15000	5.1	19
641	Scenario analysis of a sustainable water-food nexus optimization with consideration of population-economy regulation in Beijing-Tianjin-Hebei region. <i>Journal of Cleaner Production</i> , 2019 , 228, 927-940	10.3	19

640	A bi-level chance-constrained programming method for quantifying the effectiveness of water-trading to water-food-ecology nexus in Amu Darya River basin of Central Asia. <i>Environmental Research</i> , 2020 , 183, 109229	7.9	19
639	Multi-stage stochastic fuzzy random programming for food-water-energy nexus management under uncertainties. <i>Resources, Conservation and Recycling</i> , 2020 , 155, 104665	11.9	19
638	Measurement of air-pollution inequality through a three-perspective accounting model. <i>Science of the Total Environment</i> , 2019 , 696, 133937	10.2	19
637	Modeling regional ecosystem development under uncertainty [A case study for New Binhai District of Tianjin. <i>Ecological Modelling</i> , 2014 , 288, 127-142	3	19
636	Development of an inexact two-stage stochastic model with downside risk control for water quality management and decision analysis under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 1555-1575	3.5	19
635	Fuzzy two-stage non-point source pollution management model for agricultural systems [A case study for the Lake Tai Basin, China. <i>Agricultural Water Management</i> , 2013 , 121, 27-41	5.9	19
634	A linearization and parameterization approach to tri-objective linear programming problems for power generation expansion planning. <i>Energy</i> , 2015 , 87, 240-250	7.9	19
633	An interval-parameter mean-CVaR two-stage stochastic programming approach for waste management under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 167-187	3.7	19
632	Strategic agricultural land-use planning in response to water-supplier variation in a China's rural region. <i>Agricultural Systems</i> , 2012 , 108, 19-28	6.1	19
631	Inexact Chance-Constrained Waste-Load Allocation Model for Water Quality Management of Xiangxihe River. <i>Journal of Environmental Engineering, ASCE</i> , 2013 , 139, 1178-1197	2	19
630	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
629	A simulation-aided factorial analysis approach for characterizing interactive effects of system factors on composting processes. <i>Science of the Total Environment</i> , 2008 , 402, 268-77	10.2	19
628	Long-Term Planning of Waste Management System in the City of Regina [An Integrated Inexact Optimization Approach. <i>Environmental Modeling and Assessment</i> , 2001 , 6, 285-296	2	19
627	A grey hop, skip, and jump approach: generating alternatives for expansion planning of waste management facilities. <i>Canadian Journal of Civil Engineering</i> , 1996 , 23, 1207-1219	1.3	19
626	Climate-change impacts on electricity demands at a metropolitan scale: A case study of Guangzhou, China. <i>Applied Energy</i> , 2020 , 261, 114295	10.7	19
625	Risk analysis for water resources management under dual uncertainties through factorial analysis and fuzzy random value-at-risk. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2265-2280	3.5	18
624	Assessing Climate Change Impacts on Human-Perceived Temperature Extremes and Underlying Uncertainties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 3800-3821	4.4	18
623	Inexact Multistage Fuzzy-Stochastic Programming Model for Water Resources Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04015027	2.8	18

622	A coupled dynamical-copula downscaling approach for temperature projections over the Canadian Prairies. <i>Climate Dynamics</i> , 2018 , 51, 2413-2431	4.2	18
621	Assessment of climate change impacts on watershed in cold-arid region: an integrated multi-GCM-based stochastic weather generator and stepwise cluster analysis method. <i>Climate Dynamics</i> , 2016 , 47, 191-209	4.2	18
620	A copula-based chance-constrained waste management planning method: An application to the city of Regina, Saskatchewan, Canada. <i>Journal of the Air and Waste Management Association</i> , 2016 , 66, 307-284	2.4	18
619	A factorial environment-oriented input-output model for diagnosing urban air pollution. <i>Journal of Cleaner Production</i> , 2019 , 237, 117731	10.3	18
618	Optimization Model for Planning Regional Water Resource Systems under Uncertainty. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 238-249	2.8	18
617	Inexact fuzzy two-stage programming for water resources management in an environment of fuzziness and randomness. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 261-280	3.5	18
616	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
615	Interval multistage joint-probabilistic integer programming approach for water resources allocation and management. <i>Journal of Environmental Management</i> , 2013 , 128, 615-24	7.9	18
614	An inexact simulation-based stochastic optimization method for identifying effluent trading strategies of agricultural nonpoint sources. <i>Agricultural Water Management</i> , 2015 , 152, 72-90	5.9	18
613	Simulation-Based Inexact Rough-Interval Programming for Agricultural Irrigation Management: A Case Study in the Yongxin County, China. <i>Water Resources Management</i> , 2012 , 26, 4163-4182	3.7	18
612	Interval-fuzzy stochastic optimization for regional energy systems planning and greenhouse-gas emission management under uncertainty: a case study for the Province of Ontario, Canada. <i>Climatic Change</i> , 2011 , 104, 353-378	4.5	18
611	An inventory-theory-based interval-parameter two-stage stochastic programming model for water resources management. <i>Engineering Optimization</i> , 2011 , 43, 999-1018	2	18
610	An Inexact Mix-Integer Two-Stage Linear Programming Model for Supporting the Management of a Low-Carbon Energy System in China. <i>Energies</i> , 2011 , 4, 1657-1686	3.1	18
609	Inexact Fuzzy-Stochastic Programming for Water Resources Management Under Multiple Uncertainties. <i>Environmental Modeling and Assessment</i> , 2010 , 15, 111-124	2	18
608	Risk management of BTEX contamination in ground water--an integrated fuzzy approach. <i>Ground Water</i> , 2008 , 46, 755-67	2.4	18
607	An integrated numerical and physical modeling system for an enhanced in situ bioremediation process. <i>Environmental Pollution</i> , 2006 , 144, 872-85	9.3	18
606	Dynamic wastewater-induced research based on input-output analysis for Guangdong Province, China. <i>Environmental Pollution</i> , 2020 , 256, 113502	9.3	18
605	Removal of Escherichia Coli from water using functionalized porous ceramic disk filter coated with Fe/TiO ₂ nano-composites. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101013	6.7	18

604	Review of aquatic toxicity of pharmaceuticals and personal care products to algae. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124619	12.8	18
603	High-resolution projections of mean and extreme precipitations over China through PRECIS under RCPs. <i>Climate Dynamics</i> , 2018 , 50, 4037-4060	4.2	18
602	A fuzzy-stochastic power system planning model: Reflection of dual objectives and dual uncertainties. <i>Energy</i> , 2017 , 123, 664-676	7.9	17
601	Development of integrated approaches for hydrological data assimilation through combination of ensemble Kalman filter and particle filter methods. <i>Journal of Hydrology</i> , 2017 , 550, 412-426	6	17
600	Modeling of Water Resources Allocation and Water Quality Management for Supporting Regional Sustainability under Uncertainty in an Arid Region. <i>Water Resources Management</i> , 2017 , 31, 3699-3721	3.7	17
599	Two-Stage Chance-Constrained Fractional Programming for Sustainable Water Quality Management under Uncertainty. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04014074	2.8	17
598	A fractional-factorial probabilistic-possibilistic optimization framework for planning water resources management systems with multi-level parametric interactions. <i>Journal of Environmental Management</i> , 2016 , 172, 97-106	7.9	17
597	Ecological and economic analyses of the forest metabolism system: A case study of Guangdong Province, China. <i>Ecological Indicators</i> , 2018 , 95, 131-140	5.8	17
596	Biophysiological and factorial analyses in the treatment of rural domestic wastewater using multi-soil-layering systems. <i>Journal of Environmental Management</i> , 2018 , 226, 83-94	7.9	17
595	Inexact Copula-Based Stochastic Programming Method for Water Resources Management under Multiple Uncertainties. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 04018069 ^{2,8}	2.8	17
594	Risk assessment of agricultural irrigation water under interval functions. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 693-704	3.5	17
593	Interactive Fuzzy Boundary Interval Programming for Air Quality Management Under Uncertainty. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	17
592	A simulation program on change trend of pollutant concentration under water pollution accidents and its application in Heshangshan drinking water source area. <i>Journal of Cleaner Production</i> , 2017 , 167, 326-336	10.3	17
591	A Factorial-based Dynamic Analysis Method for Reservoir Operation Under Fuzzy-stochastic Uncertainties. <i>Water Resources Management</i> , 2013 , 27, 4591-4610	3.7	17
590	Optimal water resource planning under fixed budget by interval-parameter credibility constrained programming. <i>Engineering Optimization</i> , 2011 , 43, 879-889	2	17
589	An inexact-stochastic with recourse model for developing regional economic-ecological sustainability under uncertainty. <i>Ecological Modelling</i> , 2011 , 222, 370-379	3	17
588	Interval-parameter semi-infinite fuzzy-stochastic mixed-integer programming approach for environmental management under multiple uncertainties. <i>Waste Management</i> , 2010 , 30, 521-31	8.6	17
587	Optimization of regional waste management systems based on inexact semi-infinite programming. <i>Canadian Journal of Civil Engineering</i> , 2008 , 35, 987-998	1.3	17

586	Integrated Capacity Planning for Electricity Generation: A Fuzzy Environmental Policy Analysis Approach. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2008 , 3, 259-279	3.1	17
585	Fuzzy logic control for a petroleum separation process. <i>Engineering Applications of Artificial Intelligence</i> , 2008 , 21, 835-845	7.2	17
584	Three-perspective energy-carbon nexus analysis for developing China's policies of CO-emission mitigation. <i>Science of the Total Environment</i> , 2020 , 705, 135857	10.2	17
583	Robust Subsampling ANOVA Methods for Sensitivity Analysis of Water Resource and Environmental Models. <i>Water Resources Management</i> , 2020 , 34, 3199-3217	3.7	17
582	A novel multi-stage fuzzy stochastic programming for electricity system structure optimization and planning with energy-water nexus - A case study of Tianjin, China. <i>Energy</i> , 2020 , 190, 116418	7.9	17
581	A multi-reservoir based water-hydroenergy management model for identifying the risk horizon of regional resources-energy policy under uncertainties. <i>Energy Conversion and Management</i> , 2017 , 143, 66-84	10.6	16
580	An inexact joint-probabilistic programming method for risk assessment in water resources allocation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1287-1301	3.5	16
579	Synergetic optimization management of crop-biomass coproduction with food-energy-water nexus under uncertainties. <i>Journal of Cleaner Production</i> , 2020 , 258, 120645	10.3	16
578	Analyzing the carbon mitigation potential of tradable green certificates based on a TGC-FFSRO model: A case study in the Beijing-Tianjin-Hebei region, China. <i>Science of the Total Environment</i> , 2018 , 630, 469-486	10.2	16
577	A type-2 fuzzy interval programming approach for conjunctive use of surface water and groundwater under uncertainty. <i>Information Sciences</i> , 2016 , 340-341, 209-227	7.7	16
576	An enhanced fuzzy robust optimization model for regional solid waste management under uncertainty. <i>Engineering Optimization</i> , 2016 , 48, 1869-1886	2	16
575	Probabilistic Inference Coupled with Possibilistic Reasoning for Robust Estimation of Hydrologic Parameters and Piecewise Characterization of Interactive Uncertainties. <i>Journal of Hydrometeorology</i> , 2016 , 17, 1243-1260	3.7	16
574	Factorial Two-Stage Irrigation System Optimization Model. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04015056	1.1	16
573	Projected changes in temperature, precipitation, and their extremes over China through the RegCM. <i>Climate Dynamics</i> , 2019 , 53, 5859-5880	4.2	16
572	A Robust Inexact Joint-optimal but Interval Type-2 Fuzzy Boundary Linear Programming (RIJ-IT2FBLP) for energy systems planning under uncertainty. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 56, 19-32	5.1	16
571	An interval-parameter chance-constrained dynamic programming approach for capacity planning under uncertainty. <i>Resources, Conservation and Recycling</i> , 2012 , 62, 37-50	11.9	16
570	Development of an inexact risk-aversion optimization model for regional carbon constrained electricity system planning under uncertainty. <i>Energy Conversion and Management</i> , 2015 , 94, 353-364	10.6	16
569	Inexact Mathematical Modeling for the Identification of Water Trading Policy under Uncertainty. <i>Water (Switzerland)</i> , 2014 , 6, 229-252	3	16

568	Coupling fuzzy-chance constrained program with minimax regret analysis for water quality management. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 1769-1784	3.5	16
567	An interval full-infinite programming approach for energy systems planning under multiple uncertainties. <i>International Journal of Electrical Power and Energy Systems</i> , 2012 , 43, 375-383	5.1	16
566	An inexact fuzzy-chance-constrained air quality management model. <i>Journal of the Air and Waste Management Association</i> , 2010 , 60, 805-19	2.4	16
565	Dual-Interval Linear Programming Model and Its Application to Solid Waste Management Planning. <i>Environmental Engineering Science</i> , 2009 , 26, 1033-1045	2	16
564	A robust interval-based minimax-regret analysis approach for the identification of optimal water-resources-allocation strategies under uncertainty. <i>Resources, Conservation and Recycling</i> , 2009 , 54, 86-96	11.9	16
563	A Simulation-Based Optimization Approach for Water Quality Management of Xiangxihe River Under Uncertainty. <i>Environmental Engineering Science</i> , 2012 , 29, 270-283	2	16
562	Dual inexact fuzzy chance-constrained programming for planning waste management systems. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 1163-1174	3.5	16
561	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
560	An interval full-infinite programming method to supporting environmental decision-making. <i>Engineering Optimization</i> , 2008 , 40, 709-728	2	16
559	Prioritizing groundwater remediation policies: a fuzzy compatibility analysis decision aid. <i>Journal of Environmental Management</i> , 2007 , 82, 13-23	7.9	16
558	NRSRM: A Decision Support System and Visualization Software for the Management of Petroleum-Contaminated Sites. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2006 , 28, 199-220	1.6	16
557	An energy systems modelling approach for the planning of power generation: a North American case study. <i>International Journal of Computer Applications in Technology</i> , 2005 , 22, 151	0.7	16
556	Risk assessment of a petroleum-contaminated site through a multi-phase and multi-component modeling approach. <i>Journal of Petroleum Science and Engineering</i> , 2000 , 26, 273-281	4.4	16
555	Optimal design and sensitivity analysis of the stand-alone hybrid energy system with PV and biomass-CHP for remote villages. <i>Energy</i> , 2021 , 225, 120323	7.9	16
554	Dynamically-downscaled probabilistic projections of precipitation changes: A Canadian case study. <i>Environmental Research</i> , 2016 , 148, 86-101	7.9	16
553	Dynamically-downscaled projections of changes in temperature extremes over China. <i>Climate Dynamics</i> , 2018 , 50, 1045-1066	4.2	16
552	Assessment of Acid Enhancement Schemes for Electrokinetic Remediation of Cd/Pb Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	15
551	Fuzzy interval programming for energy and environmental systems management under constraint-violation and energy-substitution effects: A case study for the City of Beijing. <i>Energy Economics</i> , 2014 , 46, 375-394	8.3	15

550	A queue-based interval-fuzzy programming approach for electric-power systems planning. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 47, 337-350	5.1	15
549	A Recourse-Based Interval Fuzzy Programming Model for Point-Nonpoint Source Effluent Trading under Uncertainty. <i>Journal of the American Water Resources Association</i> , 2014 , 50, 1191-1207	2.1	15
548	A Hybrid Interval-Robust Optimization Model for Water Quality Management. <i>Environmental Engineering Science</i> , 2013 , 30, 248-263	2	15
547	Inexact joint-probabilistic stochastic programming for water resources management under uncertainty. <i>Engineering Optimization</i> , 2010 , 42, 1023-1037	2	15
546	Optimization of Remediation Operations at Petroleum-Contaminated Sites through a Simulation-based Stochastic-MCDA Approach. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2008 , 30, 1300-1326	1.6	15
545	Modeling of Vegetation-Erosion Dynamics in Watershed Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2004 , 130, 792-800	2	15
544	Simulation-based risk assessment of contaminated sites under remediation scenarios, planning periods, and land-use patterns—Canadian case study. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005 , 19, 146-157	3.5	15
543	Input-output modeling analysis with a detailed disaggregation of energy sectors for climate change policy-making: A case study of Saskatchewan, Canada. <i>Renewable Energy</i> , 2020 , 151, 1307-1317	8.1	15
542	Discrete principal-monotonicity inference for hydro-system analysis under irregular nonlinearities, data uncertainties, and multivariate dependencies. Part I: methodology development. <i>Hydrological Processes</i> , 2016 , 30, 4255	3.3	15
541	Convex contractive interval linear programming for resources and environmental systems management. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 205-224	3.5	14
540	Development of PCA-based cluster quantile regression (PCA-CQR) framework for streamflow prediction: Application to the Xiangxi river watershed, China. <i>Applied Soft Computing Journal</i> , 2017 , 51, 280-293	7.5	14
539	Development of an interval-credibility-chance constrained energy-water nexus system planning model—case study of Xiamen, China. <i>Energy</i> , 2019 , 181, 677-693	7.9	14
538	Removal of Sulfonated Humic Acid through a Hybrid Electrocoagulation-Ultrafiltration Process. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 5793-5801	3.9	14
537	Synchronic interval Gaussian mixed-integer programming for air quality management. <i>Science of the Total Environment</i> , 2015 , 538, 986-96	10.2	14
536	Modeling for regional ecosystem sustainable development under uncertainty—A case study of Dongying, China. <i>Science of the Total Environment</i> , 2015 , 533, 462-75	10.2	14
535	How to balance ecosystem services and economic benefits? - A case study in the Pearl River Delta, China. <i>Journal of Environmental Management</i> , 2020 , 271, 110917	7.9	14
534	Identifying water resources management strategies in adaptation to climate change under uncertainty. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2018 , 23, 553-578	3.9	14
533	Evaluation of Uncertainties in Input Data and Parameters of a Hydrological Model Using a Bayesian Framework: A Case Study of a Snowmelt-Precipitation-Driven Watershed. <i>Journal of Hydrometeorology</i> , 2016 , 17, 2333-2350	3.7	14

532	Interval-fuzzy municipal-scale energy model for identification of optimal strategies for energy management – A case study of Tianjin, China. <i>Renewable Energy</i> , 2016 , 86, 1161-1177	8.1	14
531	Future projections of temperature changes in Ottawa, Canada through stepwise clustered downscaling of multiple GCMs under RCPs. <i>Climate Dynamics</i> , 2019 , 52, 3455-3470	4.2	14
530	A solution to the water resources crisis in wetlands: development of a scenario-based modeling approach with uncertain features. <i>Science of the Total Environment</i> , 2013 , 442, 515-26	10.2	14
529	CVaR-based factorial stochastic optimization of water resources systems with correlated uncertainties. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 1543-1553	3.5	14
528	A two-stage interval-stochastic water trading model for allocating water resources of Kaidu-Kongque River in northwestern China. <i>Journal of Hydroinformatics</i> , 2015 , 17, 551-569	2.6	14
527	Solubilization of mixed polycyclic aromatic hydrocarbons through a rhamnolipid biosurfactant. <i>Journal of Environmental Quality</i> , 2011 , 40, 477-83	3.4	14
526	The Optimization of Energy Systems under Changing Policies of Greenhouse-gas Emission Control – A Study for the Province of Saskatchewan, Canada. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2010 , 32, 1587-1602	1.6	14
525	Interval-parameter robust optimization for environmental management under uncertainty. <i>Canadian Journal of Civil Engineering</i> , 2009 , 36, 592-606	1.3	14
524	Integer programming with random-boundary intervals for planning municipal power systems. <i>Applied Energy</i> , 2010 , 87, 2506-2516	10.7	14
523	Quality evaluation for composting products through fuzzy latent component analysis. <i>Resources, Conservation and Recycling</i> , 2008 , 52, 1132-1140	11.9	14
522	A GIS-based modeling system for petroleum waste management. <i>Water Science and Technology</i> , 2003 , 47, 309-317	2.2	14
521	Exploring the use of ceramic disk filter coated with Ag/ZnO nanocomposites as an innovative approach for removing Escherichia coli from household drinking water. <i>Chemosphere</i> , 2020 , 245, 125545 ^{8.4}	8.4	14
520	A stochastic multi-objective optimization model for renewable energy structure adjustment management – A case study for the city of Dalian, China. <i>Ecological Indicators</i> , 2019 , 97, 476-485	5.8	14
519	Evolution of virtual water metabolic network in developing regions: A case study of Guangdong province. <i>Ecological Indicators</i> , 2020 , 108, 105750	5.8	14
518	A scenario-based interval-stochastic basic-possibilistic programming method for planning sustainable energy system under uncertainty: A case study of Beijing, China. <i>Journal of Cleaner Production</i> , 2018 , 197, 1454-1471	10.3	14
517	A review on graphitic carbon nitride (g-CN) based hybrid membranes for water and wastewater treatment. <i>Science of the Total Environment</i> , 2021 , 792, 148462	10.2	14
516	A production-emission nexus based stochastic-fuzzy model for identification of urban industry-environment policy under uncertainty. <i>Journal of Cleaner Production</i> , 2017 , 154, 61-82	10.3	13
515	Development of an inexact-variance hydrological modeling system for analyzing interactive effects of multiple uncertain parameters. <i>Journal of Hydrology</i> , 2015 , 528, 94-107	6	13

514	A pseudo-optimal inexact stochastic interval T2 fuzzy sets approach for energy and environmental systems planning under uncertainty: A case study for Xiamen City of China. <i>Applied Energy</i> , 2015 , 138, 71-90	10.7	13
513	Inexact Optimization Model for Supporting Waste-Load Allocation in the Xiangxi River Basin of the Three Gorges Reservoir Region, China. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014093	5	13
512	Functional PVDF ultrafiltration membrane for Tetrabromobisphenol-A (TBBPA) removal with high water recovery. <i>Water Research</i> , 2020 , 181, 115952	12.5	13
511	Planning a sustainable regional irrigated production and forest protection under land and water stresses with multiple uncertainties. <i>Journal of Cleaner Production</i> , 2018 , 188, 751-762	10.3	13
510	Air pollutant and CO2 emissions mitigation in urban energy systems through a fuzzy possibilistic programming method under uncertainty. <i>Journal of Cleaner Production</i> , 2018 , 192, 115-137	10.3	13
509	Multilevel Factorial Fractional Programming for Sustainable Water Resources Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016063	2.8	13
508	A duality theorem-based algorithm for inexact quadratic programming problems: Application to waste management under uncertainty. <i>Engineering Optimization</i> , 2016 , 48, 562-581	2	13
507	An inexact optimization model for energy-environment systems management in the mixed fuzzy, dual-interval and stochastic environment. <i>Renewable Energy</i> , 2014 , 64, 153-163	8.1	13
506	Solid waste management under uncertainty: a generalized fuzzy linear programming approach. <i>Civil Engineering and Environmental Systems</i> , 2014 , 31, 331-346	2.1	13
505	Interval-parameter chance-constrained fuzzy multi-objective programming for water pollution control with sustainable wetland management. <i>Procedia Environmental Sciences</i> , 2012 , 13, 2316-2335		13
504	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
503	Planning an Agricultural Water Resources Management System: A Two-Stage Stochastic Fractional Programming Model. <i>Sustainability</i> , 2015 , 7, 9846-9863	3.6	13
502	Removal of phenol from synthetic waste water using Gemini micellar-enhanced ultrafiltration (GMEUF). <i>Journal of Hazardous Materials</i> , 2012 , 235-236, 128-37	12.8	13
501	SIFNP: Simulation-Based Interval-Fuzzy Nonlinear Programming for Seasonal Planning of Stream Water Quality Management. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2051-2072	2.6	13
500	Managing water resources system in a mixed inexact environment using superiority and inferiority measures. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 681-693	3.5	13
499	Inexact stochastic dynamic programming method and application to water resources management in Shandong China under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1207-1219	3.5	13
498	An IPINP model for the assessment of filter allocation and replacement strategies in a hydraulic contamination control system under uncertainty. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2009 , 223, 999-1015	1.3	13
497	Dual-Interval Two-Stage Optimization for Flood Management and Risk Analyses. <i>Water Resources Management</i> , 2009 , 23, 2141-2162	3.7	13

496	Characterizing Uncertainties Associated with Contaminant Transport Modeling through a Coupled Fuzzy-Stochastic Approach. <i>Water, Air, and Soil Pollution</i> , 2009 , 197, 331-348	2.6	13
495	Inexact fuzzy-stochastic mixed integer programming approach for long-term planning of waste management---Part B: case study. <i>Journal of Environmental Management</i> , 2009 , 91, 441-60	7.9	13
494	A high-order compact difference scheme for 2D Laplace and Poisson equations in non-uniform grid systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 379-398	3.7	13
493	Analysis of Suspended Sediment Transport in Open-Channel Flows: Kinetic-Model-Based Simulation. <i>Journal of Hydraulic Engineering</i> , 2008 , 134, 328-339	1.8	13
492	Interval stochastic quadratic programming approach for municipal solid waste management. <i>Journal of Environmental Engineering and Science</i> , 2008 , 7, 569-579	0.8	13
491	Effects of Weak Acids on Canopy Leaching and Uptake Processes in a Coniferous-Deciduous Mixed Evergreen Forest in Central-South China. <i>Water, Air, and Soil Pollution</i> , 2006 , 172, 39-55	2.6	13
490	A hybrid GIS-supported watershed modelling system: application to the Lake Erhai basin, China. <i>Hydrological Sciences Journal</i> , 1999 , 44, 597-610	3.5	13
489	A Stochastic Optimization Model for Carbon-Emission Reduction Investment and Sustainable Energy Planning under Cost-Risk Control. <i>Journal of Environmental Informatics</i> ,	3	13
488	Multi-Dimensional Hypothetical Fuzzy Risk Simulation model for Greenhouse Gas mitigation policy development. <i>Applied Energy</i> , 2020 , 261, 114348	10.7	13
487	Identifying drought propagation by simultaneously considering linear and nonlinear dependence in the Wei River basin of the Loess Plateau, China. <i>Journal of Hydrology</i> , 2020 , 591, 125287	6	13
486	Bayesian interval robust optimization for sustainable energy system planning in Qiqihar City, China. <i>Energy Economics</i> , 2016 , 60, 357-376	8.3	13
485	A developed fuzzy-stochastic optimization for coordinating human activity and eco-environmental protection in a regional wetland ecosystem under uncertainties. <i>Ecological Engineering</i> , 2016 , 97, 207-230	3.9	13
484	A generalized fuzzy chance-constrained energy systems planning model for Guangzhou, China. <i>Energy</i> , 2018 , 165, 191-204	7.9	13
483	A multi-sectoral decomposition and decoupling analysis of carbon emissions in Guangdong province, China. <i>Journal of Environmental Management</i> , 2021 , 298, 113485	7.9	13
482	Distributed mixed-integer fuzzy hierarchical programming for municipal solid waste management. Part I: System identification and methodology development. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 7236-7252	5.1	12
481	Development of an Improved Fuzzy Robust Chance-Constrained Programming Model for Air Quality Management. <i>Environmental Modeling and Assessment</i> , 2015 , 20, 535-548	2	12
480	An inexact programming approach for urban electric power systems management under random-interval-parameter uncertainty. <i>Applied Mathematical Modelling</i> , 2015 , 39, 1757-1768	4.5	12
479	Planning energy-water nexus systems based on a dual risk aversion optimization method under multiple uncertainties. <i>Journal of Cleaner Production</i> , 2020 , 255, 120100	10.3	12

478	Inexact Inventory Theory-Based Waste Management Planning Model for the City of Xiamen, China. <i>Journal of Environmental Engineering, ASCE</i> , 2016 , 142, 04016013	2	12
477	Phenanthrene Sorption on Palygorskite Modified with Gemini Surfactants: Insights from Modeling Studies and Effects of Aqueous Solution Chemistry. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	12
476	An interval parameter optimization model for sustainable power systems planning under uncertainty. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 54, 631-641	5.1	12
475	Electric power systems planning in association with air pollution control and uncertainty analysis. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 61, 563-575	5.1	12
474	Energy systems planning and GHG-emission control under uncertainty in the province of Liaoning, China [A dynamic inexact energy systems optimization model. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 53, 142-158	5.1	12
473	An open-source software package for multivariate modeling and clustering: applications to air quality management. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 14220-33	5.1	12
472	An inexact inventory-theory-based chance-constrained programming model for solid waste management. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 1939-1955	3.5	12
471	Inexact two-phase fuzzy programming and its application to municipal solid waste management. <i>Engineering Applications of Artificial Intelligence</i> , 2012 , 25, 1529-1536	7.2	12
470	An experimental study on the bio-surfactant-assisted remediation of crude oil and salt contaminated soils. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 306-13	2.3	12
469	An Interval-Parameter Chance-Constraint Mixed-Integer Programming for Energy Systems Planning Under Uncertainty. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2011 , 6, 192-205	3.1	12
468	Hybrid Inexact Optimization Approach with Data Envelopment Analysis for Environment Management and Planning in the City of Beijing, China. <i>Environmental Engineering Science</i> , 2012 , 29, 313-327		12
467	Modeling of a permeate flux of cross-flow membrane filtration of colloidal suspensions: A wavelet network approach. <i>International Journal of Environmental Science and Technology</i> , 2009 , 6, 395-406	3.3	12
466	IFMEP: an interval fuzzy multiobjective environmental planning model for urban systems. <i>Civil Engineering and Environmental Systems</i> , 2008 , 25, 99-125	2.1	12
465	A Temperature-Guided Three-Stage Inoculation Method for Municipal Solid Wastes Composting. <i>Environmental Engineering Science</i> , 2007 , 24, 745-754	2	12
464	Global climate change and regional sustainable development: the case of Mackenzie Basin in Canada. <i>Integrated Assessment: an International Journal</i> , 2000 , 1, 21-36		12
463	A mitigation simulation method for urban NOx emissions based on input-output analysis. <i>Journal of Cleaner Production</i> , 2020 , 249, 119338	10.3	12
462	Use of Nano-TiO2 self-assembled flax fiber as a new initiative for immiscible oil/water separation. <i>Journal of Cleaner Production</i> , 2020 , 249, 119352	10.3	12
461	Development of an integrated multivariate trend-frequency analysis method: Spatial-temporal characteristics of climate extremes under global warming for Central Asia. <i>Environmental Research</i> , 2021 , 195, 110859	7.9	12

460	Future Changes in Precipitation Extremes Over Canada: Driving Factors and Inherent Mechanism. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 5783-5803	4.4	12
459	A hybrid fuzzy-stochastic technique for planning peak electricity management under multiple uncertainties. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 62, 252-264	7.2	11
458	An inexact cost-risk balanced model for regional energy structure adjustment management and resources environmental effect analysis-a case study of Shandong province, China. <i>Energy</i> , 2017 , 126, 374-391	7.9	11
457	An interactive optimization model for energy systems planning associated with clean-energy development under uncertainty. <i>International Journal of Energy Research</i> , 2017 , 41, 482-501	4.5	11
456	Investigation of Changes in Extreme Temperature and Humidity Over China Through a Dynamical Downscaling Approach. <i>Earth's Future</i> , 2017 , 5, 1136-1155	7.9	11
455	Municipal solid waste management planning for Xiamen City, China: a stochastic fractional inventory-theory-based approach. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 24243-24260	5.1	11
454	Development of a Fuzzy-Boundary Interval Programming Method for Water Quality Management Under Uncertainty. <i>Water Resources Management</i> , 2015 , 29, 1169-1191	3.7	11
453	Energy-water nexus planning of regional electric power system within an inexact optimization model in Tangshan City, China. <i>Journal of Cleaner Production</i> , 2020 , 266, 121997	10.3	11
452	Effects of Y on the Deformation Mechanisms of Extruded Mg-Y Sheets During Room-Temperature Compression. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020 , 51, 2738-2751	2.3	11
451	PRECIS-projected increases in temperature and precipitation over Canada. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018 , 144, 588-603	6.4	11
450	An optimization decision support approach for risk analysis of carbon emission trading in electric power systems. <i>Environmental Modelling and Software</i> , 2015 , 67, 43-56	5.2	11
449	An optimization model for water resources allocation risk analysis under uncertainty. <i>Journal of Hydroinformatics</i> , 2014 , 16, 144-164	2.6	11
448	Development of a Fuzzy-Queue-Based Interval Linear Programming Model for Municipal Solid Waste Management. <i>Environmental Engineering Science</i> , 2010 , 27, 451-468	2	11
447	Inexact fuzzy-stochastic quadratic programming approach for waste management under multiple uncertainties. <i>Engineering Optimization</i> , 2011 , 43, 525-539	2	11
446	An optimisation-based environmental decision support system for sustainable development in a rural area in China. <i>Civil Engineering and Environmental Systems</i> , 2009 , 26, 65-83	2.1	11
445	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
444	Nitrogen conservation in simulated food waste aerobic composting process with different Mg and P salt mixtures. <i>Journal of the Air and Waste Management Association</i> , 2011 , 61, 771-7	2.4	11
443	Long-term planning of waste diversion under interval and probabilistic uncertainties. <i>Resources, Conservation and Recycling</i> , 2010 , 54, 449-461	11.9	11

442	Examining dynamic interactions among experimental factors influencing hydrologic data assimilation with the ensemble Kalman filter. <i>Journal of Hydrology</i> , 2017 , 554, 743-757	6	11
441	Low-cost microbiological purification using a new ceramic disk filter functionalized by chitosan/TiO ₂ nanocomposites. <i>Separation and Purification Technology</i> , 2020 , 248, 116984	8.3	11
440	Robust regional low-carbon electricity system planning with energy-water nexus under uncertainties and complex policy guidelines. <i>Journal of Cleaner Production</i> , 2020 , 252, 119800	10.3	11
439	A multi-scenario factorial analysis and multi-regional input-output model for analyzing CO ₂ emission reduction path in Jing-Jin-Ji region. <i>Journal of Cleaner Production</i> , 2021 , 300, 126782	10.3	11
438	Wastewater treatment in amine-based carbon capture. <i>Chemosphere</i> , 2019 , 222, 742-756	8.4	11
437	Stepwise clustering future meteorological drought projection and multi-level factorial analysis under climate change: A case study of the Pearl River Basin, China. <i>Environmental Research</i> , 2021 , 196, 110368	7.9	11
436	Removal of arsenic from water through ceramic filter modified by nano-CeO ₂ : A cost-effective approach for remote areas. <i>Science of the Total Environment</i> , 2021 , 750, 141510	10.2	11
435	Identifying the key sectors for regional energy, water and carbon footprints from production-, consumption- and network-based perspectives. <i>Science of the Total Environment</i> , 2021 , 764, 142821	10.2	11
434	A hybrid land-water-environment model for identification of ecological effect and risk under uncertain meteorological precipitation in an agroforestry ecosystem. <i>Science of the Total Environment</i> , 2018 , 633, 1613-1628	10.2	11
433	Investigation into the influencing factors and adsorption characteristics in the removal of sulfonamide antibiotics by carbonaceous materials. <i>Journal of Cleaner Production</i> , 2021 , 319, 128692	10.3	11
432	High-resolution projections of 21st century climate over the Athabasca River Basin through an integrated evaluation-classification-downscaling-based climate projection framework. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 2595-2615	4.4	10
431	Development of a fuel management model for a multi-source district heating system under multi-uncertainty and multi-dimensional constraints. <i>Energy Conversion and Management</i> , 2017 , 153, 243-256	10.6	10
430	A robust inexact trapezoidal T2 fuzzy approach coupling possibility degrees for solid waste disposal allocation with integrated optimal greenhouse gas control under uncertainty. <i>Journal of Cleaner Production</i> , 2019 , 221, 753-767	10.3	10
429	Critical factors and their effects on product maturity in food waste composting. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 217	3.1	10
428	An inexact stochastic fuzzy jointed chance-constrained programming for regional energy system management under uncertainty. <i>Engineering Optimization</i> , 2015 , 47, 788-804	2	10
427	Analyzing the performance of clean development mechanism for electric power systems under uncertain environment. <i>Renewable Energy</i> , 2018 , 123, 382-397	8.1	10
426	Stochastic optimization model for water allocation on a watershed scale considering wetland ecological water requirement. <i>Ecological Indicators</i> , 2018 , 92, 330-341	5.8	10
425	An optimization model design for energy systems planning and management under considering air pollution control in Tangshan City, China. <i>Journal of Process Control</i> , 2016 , 47, 58-77	3.9	10

424	A Factorial Dual-Interval Programming Approach for Planning Municipal Waste Management Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2016 , 142, 04016033	2	10
423	A hybrid factorial stepwise-cluster analysis method for streamflow simulation in a case study in northwestern China. <i>Hydrological Sciences Journal</i> , 2016 , 61, 2775-2788	3.5	10
422	Inexact mixed-integer programming with interval-valued membership function for sustainable power-generation capacity planning. <i>Journal of Cleaner Production</i> , 2016 , 122, 52-66	10.3	10
421	Contract-out planning of solid waste management system under uncertainty: Case study on Toronto, Ontario, Canada. <i>Journal of Cleaner Production</i> , 2017 , 168, 1370-1380	10.3	10
420	An Interval Fuzzy-Stochastic Chance-Constrained Programming Based Energy-Water Nexus Model for Planning Electric Power Systems. <i>Energies</i> , 2017 , 10, 1914	3.1	10
419	Risk analysis for Shanghai's electric power system under multiple uncertainties. <i>Energy</i> , 2015 , 87, 104-119	9	10
418	Agricultural farming planning and water resources management under fuzzy uncertainty. <i>Engineering Optimization</i> , 2014 , 46, 270-288	2	10
417	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
416	Dual-Interval Fuzzy Stochastic Programming Method for Long-Term Planning of Municipal Solid Waste Management. <i>Journal of Computing in Civil Engineering</i> , 2010 , 24, 188-202	5	10
415	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
414	Interval-Based Air Quality Index Optimization Model for Regional Environmental Management Under Uncertainty. <i>Environmental Engineering Science</i> , 2009 , 26, 1585-1597	2	10
413	Dynamic analysis for solid waste management systems: an inexact multistage integer programming approach. <i>Journal of the Air and Waste Management Association</i> , 2009 , 59, 279-92	2.4	10
412	An interactive inexact-fuzzy approach for multiobjective planning of water resource systems. <i>Water Science and Technology</i> , 1997 , 36, 235-242	2.2	10
411	An inexact stochastic quadratic programming method for municipal solid waste management. <i>Civil Engineering and Environmental Systems</i> , 2008 , 25, 139-155	2.1	10
410	Modelling of Atrazine Loss in Surface Runoff from Agricultural Watershed. <i>Water Quality Research Journal of Canada</i> , 2003 , 38, 585-606	1.7	10
409	Uptake of atmospheric mercury by deionized water and aqueous solutions of inorganic salts at acidic, neutral and alkaline pH. <i>Chemosphere</i> , 2002 , 49, 341-51	8.4	10
408	Projected changes in wind speed and its energy potential in China using a high-resolution regional climate model. <i>Wind Energy</i> , 2020 , 23, 471-485	3.4	10
407	A multi-source virtual water metabolism model for urban systems. <i>Journal of Cleaner Production</i> , 2020 , 275, 124107	10.3	10

406	Development of a factorial water policy simulation approach from production and consumption perspectives. <i>Water Research</i> , 2021 , 193, 116892	12.5	10
405	Exploration of nanocellulose washing agent for the green remediation of phenanthrene-contaminated soil. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123861	12.8	10
404	Hydrologic Impacts of Ensemble-RCM-Projected Climate Changes in the Athabasca River Basin, Canada. <i>Journal of Hydrometeorology</i> , 2018 , 19, 1953-1971	3.7	10
403	An inexact two-stage fractional energy systems planning model. <i>Energy</i> , 2018 , 160, 275-289	7.9	10
402	Segmented carbon tax may significantly affect the regional and national economy and environment-a CGE-based analysis for Guangdong Province. <i>Energy</i> , 2021 , 231, 120958	7.9	10
401	A stochastic programming with imprecise probabilities model for planning water resources systems under multiple uncertainties. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 2169-2178	7.5	9
400	Regional heuristic interval recourse power system analysis for electricity and environmental systems planning in Eastern China. <i>Resources, Conservation and Recycling</i> , 2017 , 122, 185-201	11.9	9
399	Immobilization of phenanthrene onto gemini surfactant modified sepiolite at solid/aqueous interface: Equilibrium, thermodynamic and kinetic studies. <i>Science of the Total Environment</i> , 2017 , 598, 619-627	10.2	9
398	Improved performance of a PRECIS ensemble in simulating near-surface air temperature over China. <i>Climate Dynamics</i> , 2019 , 52, 6691-6704	4.2	9
397	Multi-dimensional diagnosis model for the sustainable development of regions facing water scarcity problem: A case study for Guangdong, China. <i>Science of the Total Environment</i> , 2020 , 734, 139394	10.2	9
396	A factorial Bayesian copula framework for partitioning uncertainties in multivariate risk inference. <i>Environmental Research</i> , 2020 , 183, 109215	7.9	9
395	Evaluating the added values of regional climate modeling over China at different resolutions. <i>Science of the Total Environment</i> , 2020 , 718, 137350	10.2	9
394	Dynamically-downscaled temperature and precipitation changes over Saskatchewan using the PRECIS model. <i>Climate Dynamics</i> , 2018 , 50, 1321-1334	4.2	9
393	Risk Assessment for Ecological Planning of Arid Inland River Basins Under Hydrological and Management Uncertainties. <i>Water Resources Management</i> , 2016 , 30, 1415-1431	3.7	9
392	Risk-based factorial probabilistic inference for optimization of flood control systems with correlated uncertainties. <i>European Journal of Operational Research</i> , 2016 , 249, 258-269	5.6	9
391	Taguchi-factorial type-2 fuzzy random optimization model for planning conjunctive water management with compound uncertainties. <i>Environmental Modelling and Software</i> , 2017 , 97, 184-200	5.2	9
390	Chance-Constrained Dynamic Programming for Multiple Water Resources Allocation Management Associated with Risk-Aversion Analysis: A Case Study of Beijing, China. <i>Water (Switzerland)</i> , 2017 , 9, 596	3	9
389	Urban water resources allocation under the uncertainties of water supply and demand: a case study of Urumqi, China. <i>Environmental Earth Sciences</i> , 2015 , 74, 3543-3557	2.9	9

388	Modeling for waste management associated with environmental-impact abatement under uncertainty. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 5003-19	5.1	9
387	Risk analysis and management for water resources systems. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 593-597	3.5	9
386	IFQP: A hybrid optimization method for filter management in fluid power systems under uncertainty. <i>Engineering Optimization</i> , 2010 , 42, 45-68	2	9
385	Modeling municipal solid waste management system under uncertainty. <i>Journal of the Air and Waste Management Association</i> , 2010 , 60, 439-53	2.4	9
384	IFTICIP: An Integrated Optimization Model for Environmental Management under Uncertainty. <i>Environmental Modeling and Assessment</i> , 2009 , 14, 315-332	2	9
383	An approach to interval programming problems with left-hand-side stochastic coefficients: An application to environmental decisions analysis. <i>Expert Systems With Applications</i> , 2011 , 38, 11538-11546	7.8	9
382	ICQSWM: An inexact chance-constrained quadratic solid waste management model. <i>Resources, Conservation and Recycling</i> , 2010 , 54, 641-657	11.9	9
381	IPCS: an integrated process control system for enhanced in-situ bioremediation. <i>Environmental Pollution</i> , 2008 , 151, 460-9	9.3	9
380	Toward quantifying the effectiveness of water trading under uncertainty. <i>Journal of Environmental Management</i> , 2007 , 83, 181-90	7.9	9
379	ASRWM: an arid/semiarid region water management model. <i>Engineering Optimization</i> , 2005 , 37, 609-631	2	9
378	Separation of Petroleum Hydrocarbons from Soil and Groundwater through Enhanced Bioremediation. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 2005 , 27, 221-232		9
377	Mathematical Modeling for Identifying Cost-Effective Policy of Municipal Solid Waste Management under Uncertainty. <i>Journal of Environmental Informatics</i> ,	3	9
376	Revealing dynamic impacts of socioeconomic factors on air pollution changes in Guangdong Province, China. <i>Science of the Total Environment</i> , 2020 , 699, 134178	10.2	9
375	A GIS-based multi-criteria decision making method for the potential assessment and suitable sites selection of PV and CSP plants. <i>Resources, Conservation and Recycling</i> , 2021 , 168, 105306	11.9	9
374	An integrated optimization method for river water quality management and risk analysis in a rural system. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 477-97	5.1	8
373	Scenario analysis of carbon emissions' anti-driving effect on Qingdao's energy structure adjustment with an optimization model, Part II: Energy system planning and management. <i>Journal of Environmental Management</i> , 2017 , 188, 120-136	7.9	8
372	Effects of freeze-thawing cycles on desorption behaviors of PAH-contaminated soil in the presence of a biosurfactant: a case study in western Canada. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 874-882	4.3	8
371	An Evaluation of CMIP5 GCM Simulations over the Athabasca River Basin, Canada. <i>River Research and Applications</i> , 2017 , 33, 823-843	2.3	8

370	An interval-possibilistic basic-flexible programming method for air quality management of municipal energy system through introducing electric vehicles. <i>Science of the Total Environment</i> , 2017 , 593-594, 418-429	10.2	8
369	Two-pathway perspective for heavy metal emission mitigation: A case study of Guangdong Province, China. <i>Science of the Total Environment</i> , 2020 , 735, 139583	10.2	8
368	Integrated Planning of Urban Water Resources and Water Pollution Control Management: Case of Urumqi, China. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 05016001	2.8	8
367	Twenty-first century probabilistic projections of precipitation over Ontario, Canada through a regional climate model ensemble. <i>Climate Dynamics</i> , 2016 , 46, 3979-4001	4.2	8
366	Ibuprofen partially attenuates neurodegenerative symptoms in presenilin conditional double-knockout mice. <i>Neuroscience</i> , 2014 , 270, 58-68	3.9	8
365	Superiority/inferiority modeling coupled minimax-regret analysis for energy management systems. <i>Applied Mathematical Modelling</i> , 2014 , 38, 1271-1287	4.5	8
364	An inventory-theory-based interval stochastic programming method and its application to Beijing's electric-power system planning. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 62, 429-440	5.1	8
363	A stochastic-fuzzy programming model with softened constraints for electricity generation planning with greenhouse-gas abatement. <i>International Journal of Energy Research</i> , 2013 , 37, 843-856	4.5	8
362	Climate classification through recursive multivariate statistical inferences: a case study of the Athabasca River Basin, Canada. <i>International Journal of Climatology</i> , 2017 , 37, 1001-1012	3.5	8
361	Potential antifouling compounds with antiadhesion activities from the sponge-associated bacteria, <i>Bacillus pumilus</i> . <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 1028-1043	2	8
360	An interval-parameter mixed integer multi-objective programming for environment-oriented evacuation management. <i>International Journal of Systems Science</i> , 2010 , 41, 547-560	2.3	8
359	Enhancing Remediation of LNAPL Recovery through a Response-Surface-Based Optimization Approach. <i>Journal of Environmental Engineering, ASCE</i> , 2009 , 135, 999-1008	2	8
358	Integrated Modeling for Optimal Municipal Solid Waste Management Strategies under Uncertainty. <i>Journal of Environmental Engineering, ASCE</i> , 2011 , 137, 842-853	2	8
357	Robust Planning of Environmental Management Systems with Adjustable Conservativeness under Compound Uncertainty. <i>Journal of Environmental Engineering, ASCE</i> , 2012 , 138, 208-222	2	8
356	Two-Stage Inexact-Probabilistic Programming Model for Water Quality Management. <i>Environmental Engineering Science</i> , 2012 , 29, 713-725	2	8
355	Interval-Parameter Robust Minimax-regret Programming and Its Application to Energy and Environmental Systems Planning. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2009 , 4, 278-294	2.1	8
354	Interval-fuzzy possibilistic mixed integer linear programming for environmental management under uncertainty. <i>International Journal of Environment and Pollution</i> , 2010 , 42, 107	0.7	8
353	A stochastic optimization model under modeling uncertainty and parameter certainty for groundwater remediation design: part II. Model application. <i>Journal of Hazardous Materials</i> , 2010 , 176, 527-34	12.8	8

352	Reaction thrust of submerged water jets. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2007 , 221, 565-573	1.6	8
351	Numerical Simulation of Dual-Phase Vacuum Extraction to Remove Nonaqueous Phase Liquids in Subsurface. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2003 , 7, 106-113		8
350	High-Order Compact Difference Scheme for Convection-Diffusion Problems on Nonuniform Grids. <i>Journal of Engineering Mechanics - ASCE</i> , 2005 , 131, 1221-1228	2.4	8
349	Estimation of atmospheric mixing heights using data from airport meteorological stations. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001 , 36, 521-32	2.3	8
348	An integrated decision support system for the management of petroleum-contaminated sites. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001 , 36, 1163-86	2.3	8
347	Identifying optimal land-use patterns using a copula-based interval stochastic programming model for urban agglomeration under uncertainty. <i>Ecological Engineering</i> , 2020 , 142, 105616	3.9	8
346	Optimal design of multi-energy complementary power generation system considering fossil energy scarcity coefficient under uncertainty. <i>Journal of Cleaner Production</i> , 2020 , 274, 122732	10.3	8
345	A novel two-stage fuzzy stochastic model for water supply management from a water-energy nexus perspective. <i>Journal of Cleaner Production</i> , 2020 , 277, 123386	10.3	8
344	Nanoconfined Water Effect on CO ₂ Utilization and Geological Storage. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087999	4.9	8
343	Water-energy nexus under uncertainty: Development of a hierarchical decision-making model. <i>Journal of Hydrology</i> , 2020 , 591, 125297	6	8
342	A Promising Surfactant for Enhanced Sorption and Desorption of Polycyclic Aromatic Hydrocarbons. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4811-4819	3.9	8
341	Observed regional climatic changes over Ontario, Canada, in response to global warming. <i>Meteorological Applications</i> , 2016 , 23, 140-149	2.1	8
340	Planning regional ecosystem sustainability under multiple uncertainties: An interval stochastic credibility-constrained programming approach. <i>Ecological Indicators</i> , 2016 , 70, 134-150	5.8	8
339	Climate warming will not decrease perceived low-temperature extremes in China. <i>Climate Dynamics</i> , 2019 , 52, 5641-5656	4.2	8
338	Uncertainty Quantification for Multivariate Eco-Hydrological Risk in the Xiangxi River within the Three Gorges Reservoir Area in China. <i>Engineering</i> , 2018 , 4, 617-626	9.7	8
337	Evolution of the Scientific Literature on Input-Output Analysis: A Bibliometric Analysis of 1990-2017. <i>Sustainability</i> , 2018 , 10, 3135	3.6	8
336	An interval robust stochastic programming method for planning carbon sink trading to support regional ecosystem sustainability: A case study of Zhangjiakou, China. <i>Ecological Engineering</i> , 2017 , 104, 99-115	3.9	7
335	Distributed mixed-integer fuzzy hierarchical programming for municipal solid waste management. Part II: scheme analysis and mechanism revelation. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 8711-8721	5.1	7

- 334 Adaptation planning of community energy systems to climatic change over Canada. *Journal of Cleaner Production*, **2017**, 143, 686-698 10.3 7
- 333 Analysis of interactive effects of DEM resolution and basin subdivision level on runoff simulation in Kaidu River Basin, China **2017**, 48, 1100-1117 7
- 332 Retrospective and prospective analysis of water use and point source pollution from an economic perspective-a case study of Urumqi, China. *Environmental Science and Pollution Research*, **2017**, 24, 26016-26028 5.1 7
- 331 Analyzing the Biochemical Alteration of Green Algae During Chronic Exposure to Triclosan Based on Synchrotron-Based Fourier Transform Infrared Spectromicroscopy. *Analytical Chemistry*, **2019**, 91, 7798-7806 7.8 7
- 330 Robust Planning of Energy and Environment Systems through Introducing Traffic Sector with Cost Minimization and Emissions Abatement under Multiple Uncertainties. *Applied Sciences (Switzerland)*, **2019**, 9, 928 2.6 7
- 329 Revealing environmental inequalities embedded within regional trades. *Journal of Cleaner Production*, **2020**, 264, 121719 10.3 7
- 328 Exploring the biophysicochemical alteration of green alga *Asterococcus superbis* interactively affected by nanoparticles, triclosan and illumination. *Journal of Hazardous Materials*, **2020**, 398, 122855 12.8 7
- 327 Adsorptive removal of naphthalene induced by structurally different Gemini surfactants in a soil-water system. *Environmental Science and Pollution Research*, **2016**, 23, 18034-42 5.1 7
- 326 Water quality management in a wetland system using an inexact left-hand-side chance-constrained fuzzy multi-objective approach. *Stochastic Environmental Research and Risk Assessment*, **2016**, 30, 621-633 3.5 7
- 325 Water Resources and Farmland Management in the Songhua River Watershed under Interval and Fuzzy Uncertainties. *Water Resources Management*, **2018**, 32, 4177-4200 3.7 7
- 324 Performance analysis and life cycle greenhouse gas emission assessment of an integrated gravitational-flow wastewater treatment system for rural areas. *Environmental Science and Pollution Research*, **2019**, 26, 25883-25897 5.1 7
- 323 A Fuzzy Robust Optimization Model for Waste Allocation Planning Under Uncertainty. *Environmental Engineering Science*, **2014**, 31, 556-569 2 7
- 322 An inexact fuzzy-random-chance-constrained air quality management model. *Stochastic Environmental Research and Risk Assessment*, **2013**, 27, 1929-1946 3.5 7
- 321 A coupled factorial-analysis-based interval programming approach and its application to air quality management. *Journal of the Air and Waste Management Association*, **2013**, 63, 179-89 2.4 7
- 320 Probabilistic projections of regional climatic changes over the Great Lakes Basin. *Climate Dynamics*, **2017**, 49, 2237-2247 4.2 7
- 319 An inexact optimization model for regional electric system steady operation management considering integrated renewable resources. *Energy*, **2017**, 135, 195-209 7.9 7
- 318 Allelopathy Inhibitory Effects of *Hydrodictyon reticulatum* on *Chlorella pyrenoidosa* under Co-Culture and Liquor-Cultured Conditions. *Water (Switzerland)*, **2017**, 9, 416 3 7
- 317 Assessing parameter uncertainty in semi-distributed hydrological model based on type-2 fuzzy analysis: a case study of Kaidu River Basin **2015**, 46, 969-983 7

316	Adsorption behaviours of sulfonated humic acid at fly ash-water interface: Investigation of equilibrium and kinetic characteristics. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 2043-2050	2.3	7
315	Robust interval quadratic programming and its application to waste management under uncertainty. <i>Environmental Systems Research</i> , 2012 , 1, 7	4.3	7
314	Agricultural Water Management under Uncertainty Using Minimax Relative Regret Analysis Method. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2012 , 138, 1033-1045	1.1	7
313	An inexact fuzzy-queue programming model for environmental systems planning. <i>Engineering Applications of Artificial Intelligence</i> , 2011 , 24, 840-849	7.2	7
312	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
311	Efficient management of air quality considering fuzzy confidences with varied reliabilities. <i>Engineering Optimization</i> , 2012 , 44, 947-964	2	7
310	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
309	Pesticide-loss Simulation and Health Risk Assessment during the Flood Season in Watershed Systems. <i>Water International</i> , 2005 , 30, 88-98	2.4	7
308	GIS-based distributed model for simulating runoff and sediment load in the Malian River Basin. <i>Hydrobiologia</i> , 2003 , 494, 127-134	2.4	7
307	An Integrated Risk Analysis Method for Planning Water Resource Systems to Support Sustainable Development of An Arid Region. <i>Journal of Environmental Informatics</i> , 2017 ,	3	7
306	Grey Chance-Constrained Programming: Application to Regional Solid Waste Management Planning. <i>Water Science and Technology Library</i> , 1994 , 267-280	0.3	7
305	An optimized low-carbon production planning model for power industry in coal-dependent regions - A case study of Shandong, China. <i>Energy</i> , 2020 , 192, 116636	7.9	7
304	Impacts of climate change on photovoltaic energy potential: A case study of China. <i>Applied Energy</i> , 2020 , 280, 115888	10.7	7
303	Synergetic management of energy-water nexus system under uncertainty: An interval bi-level joint-probabilistic programming method. <i>Journal of Cleaner Production</i> , 2021 , 292, 125942	10.3	7
302	A copula-based stochastic fractional programming method for optimizing water-food-energy nexus system under uncertainty in the Aral Sea basin. <i>Journal of Cleaner Production</i> , 2021 , 292, 126037	10.3	7
301	Economic modeling of national energy, water and air pollution nexus in China under changing climate conditions. <i>Renewable Energy</i> , 2021 , 170, 375-386	8.1	7
300	Trophic transfer potential of nTiO, nZnO, and triclosan in an algae-algae eating fish food chain. <i>Aquatic Toxicology</i> , 2021 , 235, 105824	5.1	7
299	Mathematical modeling for planning water-food-ecology-energy nexus system under uncertainty: A case study of the Aral Sea Basin. <i>Journal of Cleaner Production</i> , 2021 , 308, 127368	10.3	7

298	Analyzing variation of inflow from the Syr Darya to the Aral Sea: A Bayesian-neural-network-based factorial analysis method. <i>Journal of Hydrology</i> , 2020 , 587, 124976	6	7
297	Carbon-subsidized inter-regional electric power system planning under cost-risk tradeoff and uncertainty: A case study of Inner Mongolia, China. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 135, 110439	16.2	7
296	Urban land-use planning under multi-uncertainty and multiobjective considering ecosystem service value and economic benefit - A case study of Guangzhou, China. <i>Ecological Complexity</i> , 2021 , 45, 100886	2.6	7
295	Superwetting polyethersulfone membrane functionalized with ZrO ₂ nanoparticles for polycyclic aromatic hydrocarbon removal. <i>Journal of Materials Science and Technology</i> , 2022 , 98, 14-25	9.1	7
294	Industry-environment system management based on an uncertain Gaussian diffusion optimization model for coal-dependent cities in ecologically fragile areas. <i>Journal of Cleaner Production</i> , 2019 , 234, 832-857	10.3	6
293	Development of a Maximum Entropy-Archimedean Copula-Based Bayesian Network Method for Streamflow Frequency Analysis: A Case Study of the Kaidu River Basin, China. <i>Water (Switzerland)</i> , 2019 , 11, 42	3	6
292	Inexact Probabilistic Optimization Model and Its Application to Flood Diversion Planning in a Dynamic and Uncertain Environment. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04014093	2.8	6
291	Planning electric power system under carbon-price mechanism considering multiple uncertainties - A case study of Tianjin. <i>Journal of Environmental Management</i> , 2020 , 269, 110721	7.9	6
290	Application of fiducial method for streamflow prediction under small sample cases in Xiangxihe watershed, China. <i>Journal of Hydrology</i> , 2020 , 586, 124866	6	6
289	Surface temperature variations and their relationships with land cover in the Pearl River Delta. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 37614-37625	5.1	6
288	Future changes of temperature and heat waves in Ontario, Canada. <i>Theoretical and Applied Climatology</i> , 2018 , 132, 1029-1038	3	6
287	Interactive Fuzzy-Boundary Interval Programming for Water Resources Management of the Hetao Basin, China. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016056	1.1	6
286	A Bayesian-based two-stage inexact optimization method for supporting stream water quality management in the Three Gorges Reservoir region. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 9164-82	5.1	6
285	Factorial fuzzy programming for planning water resources management systems. <i>Journal of Environmental Planning and Management</i> , 2016 , 59, 1855-1872	2.8	6
284	Two-Stage Fractional Programming Method for Managing Multiobjective Waste Management Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2016 , 142, 04016009	2	6
283	Development of a fuzzy-queue-based stochastic quadratic program for water resources planning. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 1613-1627	3.5	6
282	A stochastic rough-approximation water management model for supporting sustainable water-environment strategies in an irrigation district of arid region. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2183-2200	3.5	6
281	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

280	Effects of rhamnolipid on the adsorption of Pb ²⁺ onto compost humic acid. <i>Desalination and Water Treatment</i> , 2015 , 54, 3177-3183		6
279	Effect of Different Carbon Substrates on the Removal of Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) and Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX) by Anaerobic Mesophilic Granular Sludge. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	6
278	A solid waste management model with fuzzy random parameters. <i>Civil Engineering and Environmental Systems</i> , 2014 , 31, 64-78	2.1	6
277	Development of an optimization model for water resources systems planning. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 1061-1071	7.2	6
276	Non-linear programming for filter management in a fluid power system with uncertainty. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2010 , 224, 185-201	1.6	6
275	Development of an inexact fuzzy flexible programming approach for environmental pollution control. <i>Engineering Optimization</i> , 2010 , 42, 1163-1176	2	6
274	An interval fuzzy robust nonlinear program for the planning of municipal solid waste management systems under uncertainty. <i>Engineering Optimization</i> , 2009 , 41, 989-1016	2	6
273	A response to a comment on Grey integer programming: An application to waste management planning under uncertainty by Larry Jenkins. <i>European Journal of Operational Research</i> , 1997 , 100, 638-641	5.6	6
272	An Integrated Decision Support System for Management of CO ₂ Geologic Storage in the Weyburn Field. <i>Petroleum Science and Technology</i> , 2008 , 26, 813-843	1.4	6
271	Fault Diagnosis of WWTP Based on Improved Support Vector Machine. <i>Environmental Engineering Science</i> , 2006 , 23, 1044-1054	2	6
270	Development of an Expert System for the Remediation of Petroleum-Contaminated Sites. <i>Environmental Modeling and Assessment</i> , 2003 , 8, 323-334	2	6
269	Integrated Subsurface Modeling and Risk Assessment of Petroleum-Contaminated Sites in Western Canada. <i>Journal of Environmental Engineering, ASCE</i> , 2003 , 129, 858-872	2	6
268	ESTIMATION OF ATMOSPHERIC MIXING HEIGHTS OVER LARGE AREAS USING DATA FROM AIRPORT METEOROLOGICAL STATIONS. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002 , 37, 991-1007	2.3	6
267	Application of a GIS-Based Modeling System for Effective Management of Petroleum-Contaminated Sites. <i>Environmental Engineering Science</i> , 2002 , 19, 291-303	2	6
266	Development of an integrated bi-level model for China's multi-regional energy system planning under uncertainty. <i>Applied Energy</i> , 2022 , 308, 118299	10.7	6
265	Unveiling Carbon Emission Attributions along Sale Chains. <i>Environmental Science & Technology</i> , 2021 , 55, 220-229	10.3	6
264	Factorial Sensitivity Analysis of Physical Schemes and Their Interactions in RegCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032501	4.4	6
263	Development of clustered polynomial chaos expansion model for stochastic hydrological prediction. <i>Journal of Hydrology</i> , 2021 , 595, 126022	6	6

262	Discrete principal-monotonicity inference for hydro-system analysis under irregular nonlinearities, data uncertainties, and multivariate dependencies. Part II: Application to streamflow simulation in the Xingshan Watershed, China. <i>Hydrological Processes</i> , 2016 , 30, 4273	3.3	6
261	Forecast-based analysis for regional water supply and demand relationship by hybrid Markov chain models: a case study of Urumqi, China. <i>Journal of Hydroinformatics</i> , 2016 , 18, 905-918	2.6	6
260	Insight into sorption mechanism of phenanthrene onto gemini modified palygorskite through a multi-level fuzzy-factorial inference approach. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016 , 51, 759-68	2.3	6
259	Treatment of Aquaculture Wastewater through Chitin/ZnO Composite Photocatalyst. <i>Water (Switzerland)</i> , 2019 , 11, 310	3	6
258	Nanomaterials in the Environment: Research Hotspots and Trends. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	6
257	Identifying changes and critical drivers of future temperature and precipitation with a hybrid stepwise-cluster variance analysis method. <i>Theoretical and Applied Climatology</i> , 2019 , 137, 2437-2450	3	6
256	Comprehensive evaluation of adsorption performances of carbonaceous materials for sulfonamide antibiotics removal. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 2400-2414	5.1	6
255	A multi-scenario input-output economy-energy-environment nexus management model for Pearl River Delta urban agglomeration. <i>Journal of Cleaner Production</i> , 2021 , 317, 128402	10.3	6
254	Electrically conductive inorganic membranes: A review on principles, characteristics and applications. <i>Chemical Engineering Journal</i> , 2022 , 427, 131987	14.7	6
253	Observed changes in temperature extremes for the Beijing-Tianjin-Hebei region of China. <i>Meteorological Applications</i> , 2017 , 24, 74-83	2.1	5
252	A stochastic fuzzy chance-constrained programming model for energy-environment system planning and management in the City of Beijing. <i>International Journal of Green Energy</i> , 2017 , 14, 171-183	3	5
251	A relative interval-regret analysis method for regional ecosystem planning – a case study of Dongying, China. <i>Ecological Engineering</i> , 2015 , 81, 488-503	3.9	5
250	Development of an integrated optimization method for analyzing effect of energy conversion efficiency under uncertainty – A case study of Bayingolin Mongol Autonomous Prefecture, China. <i>Energy Conversion and Management</i> , 2015 , 106, 687-702	10.6	5
249	The development of inexact dual-objective programming for regional energy systems planning in Guang-Fo-Zhao region, China. <i>Journal of Cleaner Production</i> , 2020 , 265, 121351	10.3	5
248	A Risk-Based Balance Inexact Optimization Model for Water Quality Management with Sustainable Wetland System Development – A Case Study of North China. <i>Wetlands</i> , 2016 , 36, 205-222	1.7	5
247	Removal of copper, zinc and cadmium ions through adsorption on water-quenched blast furnace slag. <i>Desalination and Water Treatment</i> , 2016 , 57, 22493-22506		5
246	Assessing Uncertainty in Hydrological Processes Using a Fuzzy Vertex Simulation Method. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016 , 21, 05016002	1.8	5
245	Spatiotemporal Changes of China's Carbon Emissions. <i>Geophysical Research Letters</i> , 2018 , 45, 8536-8546	4.9	5

244	The Identification of Optimal Co2 Emissions-Trading Strategies Based on an Inexact Two-Stage Chance-Constrained Programming Approach. <i>International Journal of Green Energy</i> , 2014 , 11, 302-319	3	5
243	An Air Quality Management Model Based on an Interval Dual Stochastic-Mixed Integer Programming. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	5
242	Recursive multivariate principal-monotonicity inferential climate downscaling. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017 , 143, 2780-2796	6.4	5
241	Evaluating climate change impacts on the hydrology of watershed in northwestern China using a stepwise-clustered downscaling approach. <i>International Journal of Climatology</i> , 2017 , 37, 2961-2976	3.5	5
240	An uncertain energy planning model under carbon taxes. <i>Frontiers of Environmental Science and Engineering</i> , 2012 , 6, 549-558	5.8	5
239	Filter allocation and replacement strategies in fluid power system under uncertainty: a fuzzy robust nonlinear programming approach. <i>Optimization and Engineering</i> , 2012 , 13, 319-347	2.1	5
238	An Inventory-Theory-Based Inexact Multistage Stochastic Programming Model for Water Resources Management. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-15	1.1	5
237	Modeling Biosurfactant-Enhanced Bioremediation Processes for Petroleum-Contaminated Sites. <i>Petroleum Science and Technology</i> , 2010 , 28, 1211-1221	1.4	5
236	Identification of filter management strategy in fluid power systems under uncertainty: an interval-fuzzy parameter integer nonlinear programming method. <i>International Journal of Systems Science</i> , 2011 , 42, 429-448	2.3	5
235	Impacts from Climate Change and Adaptation Responses on Energy Economy and Greenhouse Gas Emissions in the Toronto-Niagara Region, Canada. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2011 , 33, 1581-1597	1.6	5
234	A queuing-theory-based interval-fuzzy robust two-stage programming model for environmental management under uncertainty. <i>Engineering Optimization</i> , 2012 , 44, 707-724	2	5
233	Ecological viability assessment: A fuzzy multiple-attribute analysis with respect to three classes of ordering techniques. <i>Ecological Informatics</i> , 2007 , 2, 128-137	4.2	5
232	IFTSQP: An Inexact Optimization Model for Water Resources Management under Uncertainty. <i>Water International</i> , 2007 , 32, 439-456	2.4	5
231	Genetic Variation and Structure of native and introduced <i>Casuarina equisetifolia</i> (L. Johnson) Provenances. <i>Silvae Genetica</i> , 2009 , 58, 79-85	1.1	5
230	Environmental risk assessment for aquifer disposal of carbon dioxide 1999 , 223-228		5
229	Quantifying the impact of water availability on China's energy system under uncertainties: A perceptive of energy-water nexus. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 134, 110321	16.2	5
228	Immobilization of TBBPA on pyrogenic carbon subjected to natural organic matter under freeze-thawing conditions: insights into surface functionalization, coverage processes and binding affinity. <i>Environmental Science: Nano</i> , 2020 , 7, 472-485	7.1	5
227	Assessment of climate change impacts on energy capacity planning in Ontario, Canada using high-resolution regional climate model. <i>Journal of Cleaner Production</i> , 2020 , 274, 123026	10.3	5

226	An inexact two-stage multi-objective waste management planning model under considerations of subsidies and uncertainties: A case study of Baotou, China. <i>Journal of Cleaner Production</i> , 2021 , 298, 126873	10.3	5
225	A genetic-algorithm-aided fuzzy chance-constrained programming model for municipal solid waste management. <i>Engineering Optimization</i> , 2020 , 52, 652-668	2	5
224	Risk aversion based interval stochastic programming approach for agricultural water management under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 715-732	3.5	5
223	A Multi-Objective Energy and Environmental Systems Planning Model: Management of Uncertainties and Risks for Shanxi Province, China. <i>Energies</i> , 2018 , 11, 2723	3.1	5
222	Total consumption controlled water allocation management for multiple sources and users with inexact fuzzy chance-constrained programming: a case study of Tianjin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 3299-3315	3.5	5
221	Planning of Electric Power Systems Considering Virtual Power Plants with Dispatchable Loads Included: An Inexact Two-Stage Stochastic Linear Programming Model. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-12	1.1	5
220	Regional agricultural water resources management with respect to fuzzy return and energy constraint under uncertainty: An integrated optimization approach. <i>Journal of Contaminant Hydrology</i> , 2021 , 242, 103863	3.9	5
219	Will the Chemical Contaminants in Agricultural Soil Affect the Ecotoxicity of Microplastics?. <i>ACS Agricultural Science and Technology</i> , 2021 , 1, 3-4		5
218	Perspectives on environmental applications of hexagonal boron nitride nanomaterials. <i>Nano Today</i> , 2022 , 44, 101486	17.9	5
217	Double-sided fuzzy chance-constrained linear fractional programming approach for water resources management. <i>Engineering Optimization</i> , 2016 , 48, 949-965	2	4
216	A multi-fuel management model for a community-level district heating system under multiple uncertainties. <i>Energy</i> , 2017 , 128, 337-356	7.9	4
215	A Multi-Objective Optimization Model for a Non-Traditional Energy System in Beijing under Climate Change Conditions. <i>Energies</i> , 2019 , 12, 1692	3.1	4
214	Optimal Design of a Distributed Energy System Using the Functional Interval Model That Allows Reduced Carbon Emissions in Guanzhong, a Rural Area of China. <i>Sustainability</i> , 2019 , 11, 1930	3.6	4
213	Integrated Planning for Regional Electric Power System Management with Risk Measure and Carbon Emission Constraints: A Case Study of the Xinjiang Uygur Autonomous Region, China. <i>Energies</i> , 2019 , 12, 601	3.1	4
212	Chance-constrained overland flow modeling for improving conceptual distributed hydrologic simulations based on scaling representation of sub-daily rainfall variability. <i>Science of the Total Environment</i> , 2015 , 524-525, 8-22	10.2	4
211	Waste Management Model Associated with Public-Private Partnership in Hamilton, Ontario, Canada. <i>Journal of Environmental Engineering, ASCE</i> , 2016 , 142, 04015086	2	4
210	A Type-2 Fuzzy Chance-Constrained Fractional Integrated Modeling Method for Energy System Management of Uncertainties and Risks. <i>Energies</i> , 2019 , 12, 2472	3.1	4
209	DMSP-IEES: A Stochastic Programming Model Based on Dual-Interval and Multi-Stage Scenarios Modeling Approaches for Energy Systems Management and GHG Emissions Control. <i>Environmental Modeling and Assessment</i> , 2014 , 19, 373-387	2	4

208	Dynamic Planning of Water Resource and Electric Power Systems under Uncertainty. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2013 , 139, 407-417	2.8	4
207	A Recourse-Based Type-2 Fuzzy Programming Method for Water Pollution Control under Uncertainty. <i>Symmetry</i> , 2017 , 9, 265	2.7	4
206	Impacts assessment of air emissions from point sources in Saskatchewan, Canada – A spatial analysis approach. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 304-313	2.5	4
205	An inexact double-sided chance-constrained model for air quality management in Nanshan District, Shengzhen, China. <i>Engineering Optimization</i> , 2014 , 46, 1694-1708	2	4
204	An interval mixed-integer non-linear programming model to support regional electric power systems planning with CO2 capture and storage under uncertainty. <i>Environmental Systems Research</i> , 2012 , 1, 1	4.3	4
203	Integrated Regional Renewable and Nonrenewable Energy Policies Identified through Interval Stochastic Semi-Infinite Programming. <i>Journal of Energy Engineering - ASCE</i> , 2013 , 139, 80-90	1.7	4
202	Mathematical Modeling for Water Quality Management under Interval and Fuzzy Uncertainties. <i>Journal of Applied Mathematics</i> , 2013 , 2013, 1-14	1.1	4
201	Development of Optimal Water-Resources Management Strategies for Kaidu-Kongque Watershed under Multiple Uncertainties. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-14	1.1	4
200	ISIP: capacity planning for flood management systems under uncertainty. <i>Civil Engineering and Environmental Systems</i> , 2010 , 27, 33-52	2.1	4
199	IFCIP: An integrated optimization method for planning filters in fluid power systems under uncertainty. <i>Engineering Optimization</i> , 2011 , 43, 329-348	2	4
198	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
197	IFTCP: An Integrated Method for Petroleum Waste Management under Uncertainty. <i>Petroleum Science and Technology</i> , 2008 , 26, 912-936	1.4	4
196	Enhanced Bioremediation of Petroleum Contaminated Soils through Cold-adapted Bacteria. <i>Petroleum Science and Technology</i> , 2008 , 26, 955-971	1.4	4
195	A pesticide runoff model for simulating runoff losses of pesticides from agricultural lands. <i>Water Science and Technology</i> , 2003 , 47, 33-40	2.2	4
194	Modeling and measurement of two-layer-canopy interception losses in a subtropical mixed forest of central-south China 2005 ,		4
193	An Integrated Approach for Evaluating Adaptation Options to Reduce Climate Change Vulnerability in Coastal Region of the Georgia Basin. <i>Annals of GIS</i> , 2002 , 8, 86-96	4.1	4
192	Planning an Energy-Water-Environment Nexus System in Coal-Dependent Regions under Uncertainties. <i>Energies</i> , 2020 , 13, 208	3.1	4
191	Assessment and offset of the adverse effects induced by PM2.5 from coal-fired power plants in China. <i>Journal of Cleaner Production</i> , 2021 , 286, 125397	10.3	4

190	Economic sensitivity analysis of dual perspectives induced by energy scarcity for energy-dependent region. <i>Science of the Total Environment</i> , 2021 , 768, 144876	10.2	4
189	A fractional multi-stage simulation-optimization energy model for carbon emission management of urban agglomeration. <i>Science of the Total Environment</i> , 2021 , 774, 144963	10.2	4
188	Multi-level factorial analysis for ensemble data-driven hydrological prediction. <i>Advances in Water Resources</i> , 2021 , 153, 103948	4.7	4
187	Development of a fuzzy-stochastic programming with Green Z-score criterion method for planning water resources systems with a trading mechanism. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 25245-25266	5.1	4
186	Risk Aversion Based Inexact Stochastic Dynamic Programming Approach for Water Resources Management Planning under Uncertainty. <i>Sustainability</i> , 2019 , 11, 6926	3.6	4
185	Toward a sustainable water resources management in Beijing-Tianjin-Hebei urban agglomeration: a scenario analysis of combined strategy regulation with Green Z-score criterion. <i>Urban Water Journal</i> , 2019 , 16, 537-553	2.3	4
184	Inter-regional cluster analysis of heavy-metal emissions. <i>Journal of Cleaner Production</i> , 2021 , 282, 124439	10.3	4
183	Vine Copula Ensemble Downscaling for Precipitation Projection Over the Loess Plateau Based on High-Resolution Multi-RCM Outputs. <i>Water Resources Research</i> , 2021 , 57,	5.4	4
182	Probabilistic assessment of crop yield loss to drought time-scales in Xinjiang, China. <i>International Journal of Climatology</i> , 2021 , 41, 4077-4094	3.5	4
181	Planning Water Resources in an Agroforest Ecosystem for Improvement of Regional Ecological Function Under Uncertainties. <i>Water (Switzerland)</i> , 2018 , 10, 415	3	4
180	Anomalous Tension Twinning Activity in Extruded Mg Sheet During Hard-Orientation Loading at Room Temperature. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021 , 52, 449-456	2.3	4
179	The Effectiveness of Exfiltration Technology to Support Sponge City Objectives. <i>Water (Switzerland)</i> , 2019 , 11, 723	3	3
178	Multi-Indicator Evaluation for Extreme Precipitation Events in the Past 60 Years over the Loess Plateau. <i>Water (Switzerland)</i> , 2020 , 12, 193	3	3
177	Biotransformation of RDX and HMX by Anaerobic Granular Sludge with Enriched Sulfate and Nitrate. <i>Water Environment Research</i> , 2017 , 89, 472-479	2.8	3
176	Transport of reactive X-3B dye at the interface between cationic surfactant-modified water-quenched blast furnace slag and aqueous solution. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 1240-1249	2.3	3
175	Analysis of industry-air quality control in ecologically fragile coal-dependent cities by an uncertain Gaussian diffusion-Hurwicz criterion model. <i>Energy Policy</i> , 2019 , 132, 1191-1205	7.2	3
174	Analysis of emission taxes levying on regional electric power structure adjustment with an inexact optimization model - A case study of Zibo, China. <i>Energy Economics</i> , 2019 , 84, 104485	8.3	3
173	Effects of digital elevation model resolution on topography-based runoff simulation under uncertainty. <i>Journal of Hydroinformatics</i> , 2014 , 16, 1343-1358	2.6	3

172	Development of a Sequential Decision-Making Model for Controlling Multiple Air Pollutants Under Stochastic Uncertainty. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 443-465	2.6	3
171	Environmental and Economic Optimization Model for Electric System Planning in Ningxia, China: Inexact Stochastic Risk-Aversion Programming Approach. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-17	1.1	3
170	Treatment of Drilling Wastewater by Combined Coagulation-Ultraviolet/Fenton-Pressurized Biological Processes. <i>Journal of Environmental Engineering, ASCE</i> , 2010 , 136, 281-287	2	3
169	An improved fuzzy programming model with an LR fuzzy number for filter management strategies in fluid power systems under uncertainty. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2010 , 224, 2011-2026	1.3	3
168	Modeling for Environmental-Economic Management Systems under Uncertainty. <i>Procedia Environmental Sciences</i> , 2010 , 2, 192-198		3
167	A Constraint-Softened Interval-Fuzzy Linear Programming Approach for Environmental Management Under Uncertainty. <i>Environmental Engineering Science</i> , 2009 , 26, 1335-1348	2	3
166	Effect of Sediment on the Biodegradation of Petroleum Contaminants in Natural Water. <i>Petroleum Science and Technology</i> , 2008 , 26, 868-886	1.4	3
165	Remediation of Petroleum-contaminated Sites through Simulation of a DPVE-aided Cleanup Process: Part 1. Model Development. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2007 , 29, 347-365	1.6	3
164	Environmental Consequences of the Sanmenxia Hydropower Station Operation in Lower Yellow River, China. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 2003 , 25, 519-546		3
163	An Integrated Subsurface Modeling and Risk Assessment Approach for Managing the Petroleum-Contaminated Sites. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004 , 39, 3083-3113	2.3	3
162	Message from the Guest Editor. <i>Water International</i> , 2005 , 30, 2-4	2.4	3
161	Energy-water-carbon nexus system planning: A case study of Yangtze River Delta urban agglomeration, China. <i>Applied Energy</i> , 2022 , 308, 118144	10.7	3
160	A multicriteria small modular reactor site selection model under long-term variations of climatic conditions -- A case study for the province of Saskatchewan, Canada. <i>Journal of Cleaner Production</i> , 2021 , 290, 125651	10.3	3
159	Multi-hierarchy virtual-water management—A case study of Hubei Province, China. <i>Journal of Cleaner Production</i> , 2021 , 293, 126244	10.3	3
158	SMR siting for the electricity system management. <i>Journal of Cleaner Production</i> , 2021 , 297, 126621	10.3	3
157	Systematic evaluation for hydropower exploitation rationality in hydro-dominant area: A case study of Sichuan Province, China. <i>Renewable Energy</i> , 2021 , 168, 1096-1111	8.1	3
156	A chance-constrained urban agglomeration energy model for cooperative carbon emission management. <i>Energy</i> , 2021 , 223, 119885	7.9	3
155	A two-stage factorial-analysis-based input-output model for virtual-water quantification and metabolic-network identification in Kyrgyzstan. <i>Journal of Cleaner Production</i> , 2021 , 301, 126960	10.3	3

154	Assessment of regional greenhouse gas emissions from spring wheat cropping system: A case study of Saskatchewan in Canada. <i>Journal of Cleaner Production</i> , 2021 , 301, 126917	10.3	3
153	A multi-scenario ensemble streamflow forecast method for Amu Darya River Basin under considering climate and land-use changes. <i>Journal of Hydrology</i> , 2021 , 598, 126276	6	3
152	Optimization of Enhanced Ultrafiltration Conditions for Cd with Mixed Biosurfactants Using the Box-Behnken Response Surface Methodology. <i>Water (Switzerland)</i> , 2019 , 11, 442	3	3
151	Risk of hydrological failure under the compound effects of instant flow and precipitation peaks under climate change: A case study of Mountain Island Dam, North Carolina. <i>Journal of Cleaner Production</i> , 2021 , 284, 125305	10.3	3
150	A Stochastic Inexact Robust Model for Regional Energy System Management and Emission Reduction Potential Analysis: A Case Study of Zibo City, China. <i>Energies</i> , 2018 , 11, 2108	3.1	3
149	Inexact Fuzzy Chance-Constrained Fractional Programming for Sustainable Management of Electric Power Systems. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-13	1.1	3
148	A chance-constrained small modular reactor siting model -- a case study for the Province of Saskatchewan, Canada. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 148, 111320	16.2	3
147	Editorial Overview: Emissions of Microplastics and Their Control in the Environment. <i>Journal of Environmental Engineering, ASCE</i> , 2021 , 147, 01821002	2	3
146	Factorial Based Stochastic Optimization Approach for Energy and Environmental Systems Management Under Uncertainty. <i>Environmental Engineering Science</i> , 2017 , 34, 469-480	2	2
145	A Risk-Based Interval Two-Stage Programming Model for Agricultural System Management under Uncertainty. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-13	1.1	2
144	Total phosphorus accident pollution and emergency response study based on geographic information system in Three Gorges Reservoir area. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	2
143	A Semi-Infinite Interval-Stochastic Risk Management Model for River Water Pollution Control under Uncertainty. <i>Water (Switzerland)</i> , 2017 , 9, 351	3	2
142	An optimization model for regional air pollutants mitigation based on the economic structure adjustment and multiple measures: A case study in Urumqi city, China. <i>Journal of Environmental Management</i> , 2016 , 182, 59-69	7.9	2
141	An optimization model under interval and fuzzy uncertainties for a by-product gas system of an iron and steel plant. <i>Engineering Optimization</i> , 2019 , 51, 447-464	2	2
140	Interval Fuzzy Robust Dynamic Programming for Nonrenewable Energy Resources Management with Chance Constraints. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2014 , 9, 425-441	3.1	2
139	An inexact two-stage dynamic stochastic model for regional electricity and heat supply management with pollutants mitigation control. <i>Environmental Systems Research</i> , 2014 , 3,	4.3	2
138	An Inexact Dynamic Optimization Model for CO ₂ Emission Reduction in Subei Region, Northeast China. <i>International Journal of Green Energy</i> , 2014 , 11, 1013-1052	3	2
137	Seeking optimal groundwater pumping strategies at Pinggu District in Beijing, China. <i>Journal of Hydroinformatics</i> , 2013 , 15, 607-619	2.6	2

136	Analysis of the net water loss in the main reach of the Yellow River. <i>International Journal of Environment and Pollution</i> , 2011 , 45, 249	0.7	2
135	Improved interval-fuzzy quadratic programming for management of filters in a fluid power system under uncertainty. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2010 , 224, 103-118	1.5	2
134	Alternatives of strategic environmental assessment for road traffic development planning Case of Changchun City, China. <i>Chinese Geographical Science</i> , 2009 , 19, 25-36	2.9	2
133	An inexact optimization model for evacuation planning. <i>Kybernetes</i> , 2009 , 38, 1676-1683	2	2
132	DEVELOPMENT OF A GREY CRITICAL PATH METHOD FOR CONSTRUCTION PLANNING. <i>Engineering Optimization</i> , 1997 , 28, 157-174	2	2
131	An Interval-Parameter Multi-stage Stochastic Chance-Constrained Mixed Integer Programming Model for Inter-basin Water Resources Management Systems under Uncertainty 2008 ,		2
130	Short-term prediction of the influent quantity time series of wastewater treatment plant based on a chaos neural network model. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007 , 1, 334-338		2
129	Ammonia removal in the catalytic wet air oxygen process of landfill leachates with Co/Bi catalyst. <i>Water Science and Technology</i> , 2006 , 54, 147-54	2.2	2
128	A new model for the grid size optimization of the finite element method Based on its application to the water quality modeling of the topographically complicated river. <i>Progress in Natural Science: Materials International</i> , 2003 , 13, 920-926	3.6	2
127	Relationship between Pb/Cd adsorption and metal oxides on surface coatings at different depths in Lake Jingyuetan. <i>Hydrobiologia</i> , 2003 , 494, 31-35	2.4	2
126	An innovative approach for visualization of subsurface soil properties. <i>Canadian Journal of Soil Science</i> , 2004 , 84, 63-70	1.4	2
125	Materials selection for a dry atmospheric mercury deposits sampler. <i>Chemosphere</i> , 2001 , 45, 1045-51	8.4	2
124	A multivariate statistical input/output model for analyzing water-carbon nexus system from multiple perspectives - Jing-Jin-Ji region. <i>Applied Energy</i> , 2022 , 310, 118560	10.7	2
123	Nanocellulose enhances the dispersion and toxicity of ZnO NPs to green algae <i>Eremosphaera viridis</i> . <i>Environmental Science: Nano</i> ,	7.1	2
122	A ROBUST INEXACT TYPE-2 FUZZY SETS LINEAR OPTIMIZATION PROGRAMMING FOR IRRIGATION WATER SYSTEM MANAGEMENT UNDER UNCERTAINTY. <i>Environmental Engineering and Management Journal</i> , 2014 , 13, 699-712	0.6	2
121	A SUPPORT VECTOR REGRESSION AND MONTE CARLO SIMULATION - BASED INTERVAL TWO-STAGE PROGRAMMING FOR ENVIRONMENTAL SYSTEMS PLANNING IN BEIJING. <i>Environmental Engineering and Management Journal</i> , 2019 , 18, 329-348	0.6	2
120	An Interval Probability-based Inexact Two-stage Stochastic Model for Regional Electricity Supply and GHG Mitigation Management under Uncertainty. <i>Energy and Power Engineering</i> , 2013 , 05, 816-823	0.4	2
119	An Interval-Parameter Fuzzy Linear Programming Approach for Accounting and Planning of Energy-Environmental Management Systems. <i>Journal of Environmental Accounting and Management</i> , 2014 , 2, 13-29	2	2

118	A GIS-based Decision-Making Support System for Wind Power Plant Site Selection, Case Study for Saskatchewan. <i>Journal of Environmental Informatics Letters</i> ,	1.8	2
117	Dynamical Downscaling of Temperature Variations over the Canadian Prairie Provinces under Climate Change. <i>Remote Sensing</i> , 2021 , 13, 4350	5	2
116	An integrated Bayesian least-squares-support-vector-machine factorial-analysis (B-LSVM-FA) method for inferring inflow from the Amu Darya to the Aral Sea under ensemble prediction. <i>Journal of Hydrology</i> , 2021 , 594, 125909	6	2
115	A C-Vine Copula-Based Quantile Regression Method for Streamflow Forecasting in Xiangxi River Basin, China. <i>Sustainability</i> , 2021 , 13, 4627	3.6	2
114	Analyzing streamflow variation in the data-sparse mountainous regions: An integrated CCA-RF-FA framework. <i>Journal of Hydrology</i> , 2021 , 596, 126056	6	2
113	Impacts of climate variations on non-stationarity of streamflow over Canada. <i>Environmental Research</i> , 2021 , 197, 111118	7.9	2
112	An optimisation model for electric-environmental system planning - a case study of Heilongjiang Province, China. <i>International Journal of Global Warming</i> , 2016 , 9, 407	0.6	2
111	Two-stage vertex analysis method for planning electric power systems with greenhouse gas abatement consideration. <i>International Journal of Green Energy</i> , 2016 , 13, 1000-1015	3	2
110	Inexact fuzzy integer chance constraint programming approach for noise control within an urban environment. <i>Engineering Optimization</i> , 2016 , 48, 1350-1364	2	2
109	Ensemble projection of city-level temperature extremes with stepwise cluster analysis. <i>Climate Dynamics</i> , 2021 , 56, 3313-3335	4.2	2
108	Development of a Wilks feature importance method with improved variable rankings for supporting hydrological inference and modelling. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 4947-4966	5.5	2
107	Life cycle-based water footprint analysis of ceramic filter for point-of-use water purification in remote areas. <i>Science of the Total Environment</i> , 2021 , 786, 147424	10.2	2
106	Multi-regional industrial wastewater metabolism analysis for the Yangtze River Economic Belt, China. <i>Environmental Pollution</i> , 2021 , 284, 117118	9.3	2
105	Long-Term Projection of Water Cycle Changes over China Using RegCM. <i>Remote Sensing</i> , 2021 , 13, 3832	5	2
104	Identifying optimal virtual water management strategy for Kazakhstan: A factorial ecologically-extended input-output model. <i>Journal of Environmental Management</i> , 2021 , 297, 113303	7.9	2
103	Projections of carbon metabolism in 2035 and implications for demand-side controls under various scenarios. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 151, 111561	16.2	2
102	A two-phase factorial input-output model for analyzing CO ₂ -emission reduction pathway and strategy from multiple perspectives [A case study of Fujian province. <i>Energy</i> , 2022 , 248, 123615	7.9	2
101	Identifying critical energy-water paths and clusters within the urban agglomeration using machine learning algorithm. <i>Energy</i> , 2022 , 250, 123880	7.9	2

100	Coordinative Urban-Rural Solid Waste Management: A Fractional Dual-Objective Programming Model for the Regional Municipality of Xiamen. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-13	1.1	1
99	Characterization of Renewable Energy Utilization Mode for Air-Environmental Quality Improvement through an Inexact Factorial Optimization Approach. <i>Sustainability</i> , 2019 , 11, 2429	3.6	1
98	Projections of daily mean surface temperature over the Beijing-Tianjin-Hebei region through a stepwise cluster downscaling method. <i>Theoretical and Applied Climatology</i> , 2020 , 141, 71-86	3	1
97	Resources and environmental systems management under synchronic interval uncertainties. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 435-456	3.5	1
96	A Monte-Carlo-based interval De Novo programming method for optimal system design under uncertainty. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 72, 30-42	7.2	1
95	A Sustainable Land Utilization Pattern for Confirming Integrity of Economic and Ecological Objectives under Uncertainties. <i>Sustainability</i> , 2018 , 10, 1307	3.6	1
94	A hybrid interval-parameter fuzzy robust programming method and its application to filter management strategy in fluid power systems. <i>Engineering Optimization</i> , 2014 , 46, 15-38	2	1
93	An integrated simulation and optimization approach for managing human health risks of atmospheric pollutants by coal-fired power plants. <i>Journal of the Air and Waste Management Association</i> , 2014 , 64, 704-20	2.4	1
92	Enhancement of economic and ecological sustainability through integrated management of coal and electricity in north China. <i>Procedia Environmental Sciences</i> , 2012 , 13, 467-497		1
91	Multidisciplinary approaches to computing 2013 ,		1
90	Study on solubilization capability of various Gemini micelles in micellar-enhanced ultrafiltration of phenol-contaminated waters. <i>Desalination and Water Treatment</i> , 2015 , 54, 672-682		1
89	A Generalized Fuzzy Integer Programming Approach for Environmental Management under Uncertainty. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-16	1.1	1
88	A fuzzy-parameterised stochastic modelling system for predicting multiphase subsurface transport under dual uncertainties. <i>Civil Engineering and Environmental Systems</i> , 2012 , 29, 91-105	2.1	1
87	0-1 Piecewise linearization approach for interval-parameter nonlinear programming: Application to environmental management under uncertainty A paper submitted to the Journal of Environmental Engineering and Science.. <i>Canadian Journal of Civil Engineering</i> , 2009 , 36, 1071-1084	1.3	1
86	A multistage scenario-based inexact fuzzy-stochastic chance-constrained programming for water resources management under uncertainty 2010 ,		1
85	Discussion: Optimal Regional Scheduling of Solid Waste Systems. I: Model Development. <i>Journal of Environmental Engineering, ASCE</i> , 1997 , 123, 1168-1170	2	1
84	AN INTELLIGENT AGENT MOBILE EMISSIONS MODEL FOR URBAN ENVIRONMENTAL MANAGEMENT. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2008 , 18, 485-502	1	1
83	Remediation of Petroleum-contaminated Sites through Simulation of a DPVE-aided Cleanup Process: Part 2. Remediation Design. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2007 , 29, 367-387	1.6	1

82	An Adsorption-Separation Process for Collecting and Analyzing Atmospheric Mercury Deposits Development of a Chelex 100 Resin Column System. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 2005 , 27, 139-149		1
81	Self-Organized Critical Behavior of Acid Deposition. <i>Water, Air, and Soil Pollution</i> , 2005 , 162, 295-313	2.6	1
80	Development of a decision support system for groundwater pollution control at coal-mining contaminated sites		1
79	Development of non-deterministic energy-water-carbon nexus planning model: A case study of Shanghai, China. <i>Energy</i> , 2022 , 246, 123300	7.9	1
78	Regression Tree Ensemble Rainfall Runoff Forecasting Model and Its Application to Xiangxi River, China. <i>Water (Switzerland)</i> , 2022 , 14, 463	3	1
77	Development of a stepwise-clustered multi-catchment hydrological model for quantifying interactions in regional climate-runoff relationships. <i>Water Resources Research</i> ,	5.4	1
76	A coupled non-deterministic optimization and mixed-level factorial analysis model for power generation expansion planning [A case study of Jing-Jin-Ji metropolitan region, China. <i>Applied Energy</i> , 2022 , 311, 118621	10.7	1
75	Temporal-Spatial changes of monthly vegetation growth and their driving forces in the ancient Yellow river irrigation system, China. <i>Journal of Contaminant Hydrology</i> , 2021 , 243, 103911	3.9	1
74	Bayesian model averaging of the RegCM temperature projections: a Canadian case study. <i>Journal of Water and Climate Change</i> ,	2.3	1
73	Quantifying effects of compound dry-hot extremes on vegetation in Xinjiang (China) using a vine-copula conditional probability model. <i>Agricultural and Forest Meteorology</i> , 2021 , 311, 108658	5.8	1
72	AN INTERVAL-PARAMETER QUEUING MODEL FOR PLANNING MUNICIPAL SOLID WASTE MANAGEMENT SYSTEM WITH COST-EFFECTIVE OBJECTIVE. <i>Environmental Engineering and Management Journal</i> , 2016 , 15, 1673-1687	0.6	1
71	Projection of apparent temperature using statistical downscaling approach in the Pearl River Delta. <i>Theoretical and Applied Climatology</i> , 2021 , 144, 1253-1266	3	1
70	Wind Farm Location Special Optimization Based on Grid GIS and Choquet Fuzzy Integral Method in Dalian City, China. <i>Energies</i> , 2021 , 14, 2454	3.1	1
69	Long-term effects of TBBPA-contaminated pyrogenic organic matter under abiotic aging: insights on immobilization capacity, surface functionality correlation, and phytotoxicity to <i>Thinopyrum ponticum</i> . <i>Environmental Science: Nano</i> , 2021 , 8, 1896-1909	7.1	1
68	A Structural Adjustment optimization model for electric-power system management under multiple Uncertainties [A case study of Urumqi city, China. <i>Energy Policy</i> , 2021 , 149, 112056	7.2	1
67	An integrated multi-GCMs Bayesian-neural-network hydrological analysis method for quantifying climate change impact on runoff of the Amu Darya River basin. <i>International Journal of Climatology</i> , 2021 , 41, 3411-3424	3.5	1
66	The Representation Inexact T2 Fuzzy Sets Programming Model for Water Resources Management of the Southern Min River Basin under Uncertainty. <i>Symmetry</i> , 2018 , 10, 579	2.7	1
65	A Bi-Objective Pseudo-Interval T2 Linear Programming Approach and Its Application to Water Resources Management Under Uncertainty. <i>Water (Switzerland)</i> , 2018 , 10, 1545	3	1

64	Sustainable Water-Resources Allocation Through a Trading-Oriented Mechanism Under Uncertainty in an Arid Region. <i>Clean - Soil, Air, Water</i> , 2018 , 46, 1800317	1.6	1
63	A factorial emission-focused general equilibrium model for investigating composite effects of multiple environmental policies. <i>Water Research</i> , 2021 , 201, 117336	12.5	1
62	Ensemble Drought Exposure Projection for Multifactorial Interactive Effects of Climate Change and Population Dynamics: Application to the Pearl River Basin. <i>Earth's Future</i> , 2021 , 9, e2021EF002215	7.9	1
61	Stochastic Rainwater Harvesting System Modeling Under Random Rainfall Features and Variable Water Demands. <i>Water Resources Research</i> , 2021 , 57, e2021WR029731	5.4	1
60	Stepwise-clustered heatwave downscaling and projection for Guangdong Province. <i>International Journal of Climatology</i> ,	3.5	1
59	Development of a distributive Three Gorges Project input-output model to investigate the disaggregated sectoral effects of Three Gorges Project. <i>Science of the Total Environment</i> , 2021 , 797, 148817	10.2	1
58	Development of an SMR-induced environmental input-output analysis model - Application to Saskatchewan, Canada. <i>Science of the Total Environment</i> , 2022 , 806, 150297	10.2	1
57	Collided with COVID-19 pandemic, the 2020 Yangtze flood is exceptionally severe.		1
56	Violation analysis for solid waste management systems: an interval fuzzy programming approach. <i>Journal of Environmental Management</i> , 2002 , 65, 431-46	7.9	1
55	Low-Cost Ceramic Disk Filters Coated with Graphitic Carbon Nitride (g-C ₃ N ₄) for Drinking Water Disinfection and Purification. <i>Separation and Purification Technology</i> , 2022 , 120999	8.3	1
54	Planning regional-scale water-energy-food nexus system management under uncertainty: An inexact fractional programming method.. <i>Journal of Contaminant Hydrology</i> , 2022 , 247, 103985	3.9	1
53	An interval two-stage fuzzy fractional programming model for planning water resources management in the coastal region - A case study of Shenzhen, China.. <i>Environmental Pollution</i> , 2022 , 119343	9.3	1
52	Factorial inferential grid grouping and representativeness analysis for a systematic selection of representative grids. <i>Earth and Space Science</i> , 2017 , 4, 554-573	3.1	0
51	Modeling for the Separation of Light NonAqueous Phase Liquids from Contaminated Subsurface Through Vacuum-Enhanced Oil Recovery. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 2005 , 27, 123-138		0
50	Development of a multi-GCMs Bayesian copula method for assessing multivariate drought risk under climate change: A case study of the Aral Sea basin. <i>Catena</i> , 2022 , 212, 106048	5.8	0
49	A Multi-Stochastic SMR Siting Model Applied to the Province of Saskatchewan, Canada: Emphasis on Technological Competition and Policy Impacts. <i>Resources, Conservation and Recycling</i> , 2022 , 178, 106059	11.9	0
48	Multi-watershed nonpoint source pollution management through coupling Bayesian-based simulation and mechanism-based effluent trading optimization. <i>Stochastic Environmental Research and Risk Assessment</i> ,1	3.5	0
47	Treatment of decentralized low-strength livestock wastewater using microcurrent-assisted multi-soil-layering systems: Performance Assessment and microbial analysis.. <i>Chemosphere</i> , 2022 , 133536	8.4	0

46	Sustainable conjunctive water management model for alleviating water shortage.. <i>Journal of Environmental Management</i> , 2021 , 304, 114243	7.9	○
45	Synergic management of crop planting structure and biomass utilization pathways under a food-energy-water nexus perspective. <i>Journal of Cleaner Production</i> , 2022 , 335, 130314	10.3	○
44	A stepwise emission clustering analysis method for analyzing the effects of heavy metal emissions from multiple income groups.. <i>Science of the Total Environment</i> , 2021 , 812, 152472	10.2	○
43	A multi-perspective factorial hypothetical simulation model for cutting the carbon emission intensity of China. <i>Journal of Cleaner Production</i> , 2020 , 275, 123943	10.3	○
42	Assessment of the effects of human activity and natural condition on the outflow of Syr Darya River: A stepwise-cluster factorial analysis method. <i>Environmental Research</i> , 2021 , 194, 110634	7.9	○
41	Hazardous chemical accident prediction for drinking water sources in Three Gorges Reservoir. <i>Journal of Cleaner Production</i> , 2021 , 296, 126529	10.3	○
40	Development of enthalpy-based climate indicators for characterizing building cooling and heating energy demand under climate change. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 143, 110799	16.2	○
39	A Factorial Ecological-Extended Physical Input-Output Model for Identifying Optimal Urban Solid Waste Path in Fujian Province, China. <i>Sustainability</i> , 2021 , 13, 8341	3.6	○
38	Projections of meteorological drought based on CMIP6 multi-model ensemble: A case study of Henan Province, China. <i>Journal of Contaminant Hydrology</i> , 2021 , 243, 103887	3.9	○
37	Planning energy economy and eco-environment nexus system under uncertainty: A copula-based stochastic multi-level programming method. <i>Applied Energy</i> , 2022 , 312, 118736	10.7	○
36	Optimal design of two-dimensional water trading based on risk aversion for sustainable development of Daguhe watershed, China.. <i>Journal of Environmental Management</i> , 2022 , 309, 114679	7.9	○
35	Planning water-food-ecology nexus system under uncertainty: Tradeoffs and synergies in Central Asia. <i>Agricultural Water Management</i> , 2022 , 266, 107549	5.9	○
34	Development of a disaggregated multi-level factorial hydrologic data assimilation model. <i>Journal of Hydrology</i> , 2022 , 127802	6	○
33	What is the relationship between energy consumption and economic development? New evidence from a rapidly growing economic development region. <i>Environment, Development and Sustainability</i> , 2021 , 23, 119157	4.5	○
32	A factorial interval chance-constrained diet model for dairy farms under climate change: A case study for the Province of Saskatchewan, Canada. <i>Journal of Cleaner Production</i> , 2022 , 132059	10.3	○
31	Sector-level socio-economic and environmental effects of large-scale hydropower initiatives -- a multi-region multi-phase model for the Wudongde Hydropower Station. <i>Applied Energy</i> , 2022 , 317, 119157	10.7	○
30	Optimizing effluent trading and risk management schemes considering dual risk aversion for an agricultural watershed. <i>Agricultural Water Management</i> , 2022 , 269, 107716	5.9	○
29	Photocatalytic disinfection for point-of-use water treatment using Ti3+ self-doping TiO2 nanoparticle decorated ceramic disk filter. <i>Environmental Research</i> , 2022 , 113602	7.9	○

28	An inexact fuzzy bi-level programming model for energy traffic system planning under uncertainty: a case study of Urumqi city, China. <i>Engineering Optimization</i> , 2017 , 49, 1441-1461	2
27	Evaporation: Evaluate risks of coating reservoirs. <i>Nature</i> , 2015 , 520, 33	50.4
26	Temporal and Spatial Characteristics of Multidimensional Extreme Precipitation Indicators: A Case Study in the Loess Plateau, China. <i>Water (Switzerland)</i> , 2020 , 12, 1217	3
25	A Stepwise-Cluster Inference Model for Phenanthrene Immobilization at the Aqueous/Modified Palygorskite Interface. <i>Water (Switzerland)</i> , 2017 , 9, 590	3
24	The Variability of Arctic Sea Ice Extent from Spring to Summer and Its Linkage to the Decline of SIE in September. <i>Advances in Meteorology</i> , 2015 , 2015, 1-21	1.7
23	Modeling of Water Quality, Quantity, and Sustainability. <i>Journal of Applied Mathematics</i> , 2014 , 2014, 1-3	1.1
22	Mathematical Modeling for Resources and Environmental Systems. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-4	1.1
21	0-1 Piecewise linearization approach for interval-parameter nonlinear programming: application to environmental management under uncertainty. <i>Journal of Environmental Engineering and Science</i> , 2013 , 8, 289-302	0.8
20	A coupled simulation and fuzzy-rule-based method for assessing health risks at a petroleum-contaminated site. <i>International Journal of Risk Assessment and Management</i> , 2011 , 15, 66	0.9
19	Analyzing extreme precipitation and temperature in Central Asia as well as quantifying their main and interactive effects under multiple uncertainties. <i>Journal of Hydrology</i> , 2022 , 607, 127469	6
18	Analysis of South American climate and teleconnection indices. <i>Journal of Contaminant Hydrology</i> , 2021 , 244, 103915	3.9
17	Grey Theory Approach to Quantifying the Risks Associated with General Circulation Models. <i>Water Science and Technology Library</i> , 1994 , 33-46	0.3
16	Evaluation on political and technological issues of greenhouse gas emission control in Canada 1999 , 1119-1121	
15	Optimization of Water-Food Nexus System under Dual Uncertainties. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 691, 012010	0.3
14	Modeling Climate Change Impacts on Water Resources. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 356, 012020	0.3
13	A sustainable road pricing oriented bilevel optimization approach under multiple environmental uncertainties. <i>International Journal of Sustainable Transportation</i> , 1-28	3.6
12	A Multistage Distribution-Generation Planning Model for Clean Power Generation under Multiple Uncertainties A Case Study of Urumqi, China. <i>Sustainability</i> , 2018 , 10, 3263	3.6
11	The Optimization of Canola Crop Production through Wheat Residue Management within a Western Canadian Context A Case Study of Saint-Front, Saskatchewan. <i>Sustainability</i> , 2021 , 13, 10459	3.6

- | | | |
|----|--|------|
| 10 | Characterization of canola growth and in-vivo element fate in Canadian prairie under the interferences of tillage and residue treatment. <i>Journal of Cleaner Production</i> , 2021 , 320, 128707 | 10.3 |
| 9 | An Integrated Bi-level Optimization Model for Planning Water-Food-Energy Nexus System Under Uncertainty. <i>Environmental Science and Engineering</i> , 2022 , 304-314 | 0.2 |
| 8 | Assessment of Climate Change Impacts on Streamflow - A Case Study of Naryn River Basin, Central Asia. <i>Environmental Science and Engineering</i> , 2022 , 186-192 | 0.2 |
| 7 | Planning Water-Food-Energy Nexus System Towards Sustainable Development Under Uncertainty. <i>Environmental Science and Engineering</i> , 2022 , 328-338 | 0.2 |
| 6 | A fixed-mix stochastic fractional programming method for optimizing agricultural irrigation and hydropower generation in Central Asia.. <i>Journal of Contaminant Hydrology</i> , 2022 , 248, 104004 | 3.9 |
| 5 | An improved fuzzy sorting algorithm coupling bi-level programming for synergetic optimization of agricultural water resources: A case study of Fujian Province, China.. <i>Journal of Environmental Management</i> , 2022 , 312, 114946 | 7.9 |
| 4 | Pressure Drop Optimization of the Main Steam and Reheat Steam System of a 1000 MW Secondary Reheat Unit. <i>Energies</i> , 2022 , 15, 3279 | 3.1 |
| 3 | Conjunctive Water Management under Multiple Uncertainties: A Case Study of the Amu Darya River Basin, Central Asia. <i>Water (Switzerland)</i> , 2022 , 14, 1541 | 3 |
| 2 | Inter-Provincial Electricity Trading and Its Effects on Carbon Emissions from the Power Industry. <i>Energies</i> , 2022 , 15, 3601 | 3.1 |
| 1 | Analyzing Spatial Temporal change of multivariate drought risk based on Bayesian copula: Application to the Balkhash Lake basin. <i>Theoretical and Applied Climatology</i> , 1 | 3 |