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## Fuzzy Waste Load Allocation Model: Simulation-Optimization Approach

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#	Paper	IF	Citations
48	Risk Evaluation in Water Quality Management of a River System. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2004</b> , 130, 411-423	2.8	39
47	DECISION SUPPORT FOR ALLOCATION OF WATERSHED POLLUTION LOAD USING GREY FUZZY MULTIOBJECTIVE PROGRAMMING <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , <b>2006</b> , 42, 725-745	2.15	14
46	Risk minimization in water quality control problems of a river system. <i>Advances in Water Resources</i> , <b>2006</b> , 29, 458-470	4.7	46
45	Grey fuzzy optimization model for water quality management of a river system. <i>Advances in Water Resources</i> , <b>2006</b> , 29, 1088-1105	4.7	108
44	An inexact optimization approach for river water-quality management. <i>Journal of Environmental Management</i> , <b>2006</b> , 81, 233-48	7.9	25
43	Non-Uniform Flow Effect on Optimal Waste Load Allocation in Rivers. <i>Water Resources Management</i> , <b>2006</b> , 20, 509-530	3.7	29
42	Waste load allocation modeling with fuzzy goals; simulation-optimization approach. <i>Water Resources Management</i> , <b>2007</b> , 21, 1207-1224	3.7	41
41	A two-phase grey fuzzy optimization approach for water quality management of a river system. <i>Advances in Water Resources</i> , <b>2007</b> , 30, 1218-1235	4.7	41
40	The uncertainty effects of design flow on water quality management. <i>Environmental Monitoring and Assessment</i> , <b>2008</b> , 144, 81-91	3.1	5
39	Practical Hydroinformatics. <i>Water Science and Technology Library</i> , <b>2008</b> ,	0.3	26
38	Fuzzy Logic-Based Approaches in Water Resource System Modelling. <i>Water Science and Technology Library</i> , <b>2009</b> , 165-176	0.3	3
37	Risk-Based Water Quality Management in River System. <b>2008</b> ,		
36	Optimal Water Quality Management Strategies for Urban Watersheds Using Macrolevel Simulation and Optimization Models. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2009</b> , 135, 276-285	2.8	2
35	Developing real time operating rules for trading discharge permits in rivers: Application of Bayesian Networks. <i>Environmental Modelling and Software</i> , <b>2009</b> , 24, 238-246	5.2	49
34	Trading pollutant discharge permits in rivers using fuzzy nonlinear cost functions. <i>Desalination</i> , <b>2010</b> , 250, 313-317	10.3	19
33	Dual-Interval Fuzzy Stochastic Programming Method for Long-Term Planning of Municipal Solid Waste Management. <i>Journal of Computing in Civil Engineering</i> , <b>2010</b> , 24, 188-202	5	10
32	A nonlinearity interval mapping scheme for efficient waste load allocation simulation-optimization analysis. <i>Water Resources Research</i> , <b>2010</b> , 46,	5.4	14

31	Comprehensive River Water Quality Management by Simulation and Optimization Models. <i>Environmental Modeling and Assessment</i> , <b>2011</b> , 16, 283-294	2	10
30	A fuzzy approach for considering uncertainty in transient analysis of pipe networks. <i>Journal of Hydroinformatics</i> , <b>2012</b> , 14, 1024-1035	2.6	14
29	General Multiobjective Model and Simulated Annealing Algorithm for Waste-Load Allocation. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2013</b> , 139, 339-344	2.8	19
28	A review of surface water quality models. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 231768	2.2	58
27	A simulation-optimization approach for assessing optimal wastewater load allocation schemes in the Three Gorges Reservoir, China. <i>Environmental Systems Research</i> , <b>2014</b> , 3, 5	4.3	1
26	Optimal allocation of water quantity and waste load in the Northwest Pearl River Delta, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2014</b> , 28, 1525-1542	3.5	31
25	Uncertainty analysis of water supply networks using the fuzzy set theory and NSGA-II. <i>Engineering Applications of Artificial Intelligence</i> , <b>2014</b> , 32, 270-282	7.2	42
24	Identifying low impact development strategies for flood mitigation using a fuzzy-probabilistic approach. <i>Environmental Modelling and Software</i> , <b>2014</b> , 60, 31-44	5.2	29
23	Adaptive surrogate modeling for optimization of flood control detention dams. <i>Environmental Modelling and Software</i> , <b>2014</b> , 61, 106-120	5.2	30
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21	Enhanced nonlinearity interval mapping scheme for high-performance simulation-optimization of watershed-scale BMP placement. <i>Water Resources Research</i> , <b>2015</b> , 51, 1831-1845	5.4	8
20	A pollutant load hierarchical allocation method integrated in an environmental capacity management system for Zhushan Bay, Taihu Lake. <i>Science of the Total Environment</i> , <b>2015</b> , 533, 223-37	10.2	16
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12	Improving land-based total nitrogen load allocation using a variable response matrix-based simulation-optimization approach: A case study. <i>Ecological Indicators</i> , <b>2018</b> , 91, 575-588	5.8	7
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10	Managing Municipal Wastewater Treatment to Control Nitrous Oxide Emissions from Tidal Rivers. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1255	3	2
9	Multi-objective multi-pollutant waste load allocation model for rivers using coupled archived simulated annealing algorithm with QUAL2Kw. <i>Journal of Hydroinformatics</i> , <b>2019</b> , 21, 397-410	2.6	14
8	Fuzzy Optimization Model for Waste Load Allocation in a River with Total Maximum Daily Load (TMDL) Planning. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2618	3	0
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6	Flood vulnerability assessment using a fuzzy rule-based index in Melbourne, Australia. <i>Sustainable Water Resources Management</i> , <b>2021</b> , 7, 1	1.9	2
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