

Ziqiang Zeng

List of Publications by Year in Descending Order

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

93
papers

1,802
citations

24
h-index

38
g-index

94
ext. papers

2,074
ext. citations

4.4
avg, IF

5.43
L-index

#	Paper	IF	Citations
93	Economic-Environmental Equilibrium-Based WindSolarThermal Power Generation System 2022 , 285-319		
92	Two-period based carbon-economy equilibrium strategy for modular construction supply planning. <i>Journal of Cleaner Production</i> , 2021 , 290, 125674	10.3	1
91	An innovative car sharing technological paradigm towards sustainable mobility. <i>Journal of Cleaner Production</i> , 2021 , 288, 125626	10.3	5
90	A two-dimensional journal classification method based on output and input factors: perspectives from citation and authorship related indicators. <i>Scientometrics</i> , 2021 , 126, 3929-3964	3	0
89	Optimal Hourly Scheduling for WindHydropower Systems with Integrated Pumped-Storage Technology. <i>Journal of Energy Engineering - ASCE</i> , 2021 , 147,	1.7	4
88	Balanced strategy based on environment and user benefit-oriented carpooling service mode for commuting trips. <i>Transportation</i> , 2021 , 48, 1241-1266	4	5
87	A Soft-Path Solution to Risk Reduction by Modeling Medical Waste Disposal Center Location-Allocation Optimization. <i>Risk Analysis</i> , 2020 , 40, 1863-1886	3.9	5
86	Finding the de-carbonization potentials in the transport sector: application of scenario analysis with a hybrid prediction model. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 21762-21776	5.1	5
85	Carbon tax incentive policy towards air passenger transport carbon emissions reduction. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 85, 102441	6.4	21
84	Chinese Industrial Outward FDI Location Choice in ASEAN Countries. <i>Sustainability</i> , 2020 , 12, 674	3.6	6
83	Carbon pricing initiatives-based bi-level pollution routing problem. <i>European Journal of Operational Research</i> , 2020 , 286, 203-217	5.6	8
82	Complex network analysis of bilateral international investment under de-globalization: Structural properties and evolution. <i>PLoS ONE</i> , 2019 , 14, e0216130	3.7	2
81	Integer Programming Models to Manage Consensus for Uncertain MCGDM Based on PSO Algorithms. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 888-902	8.3	10
80	Optimal location of the U-turn at a signalised intersection with double left-turn lanes. <i>IET Intelligent Transport Systems</i> , 2019 , 13, 531-540	2.4	1
79	Intergenerational equity based optimal water allocation for sustainable development: A case study on the upper reaches of Minjiang River, China. <i>Journal of Hydrology</i> , 2019 , 568, 835-848	6	22
78	Constructed wetland modelling for watershed ecosystem protection under a certain economic load: A case study at the Chaohu Lake watershed, China. <i>Ecological Modelling</i> , 2018 , 368, 180-190	3	5
77	Tripartite equilibrium strategy for a carbon tax setting problem in air passenger transport. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 8512-8531	5.1	2

76	Conflict resolution-motivated strategy towards integrated construction site layout and material logistics planning: A bi-stakeholder perspective. <i>Automation in Construction</i> , 2018 , 87, 138-157	9.6	15
75	Identification of significant factors in fatal-injury highway crashes using genetic algorithm and neural network. <i>Accident Analysis and Prevention</i> , 2018 , 111, 354-363	6.1	31
74	Equilibrium approach towards water resource management and pollution control in coal chemical industrial park. <i>Journal of Environmental Management</i> , 2018 , 219, 56-73	7.9	13
73	New Framework for Automatic Identification and Quantification of Freeway Bottlenecks Based on Wavelet Analysis. <i>Journal of Transportation Engineering Part A: Systems</i> , 2018 , 144, 04018044	1.5	8
72	Multistakeholder Conflict MinimizationBased Layout Planning of Construction Temporary Facilities. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04017080	5	9
71	Bi-stakeholder Conflict Resolution-Based Layout of Construction Temporary Facilities in Large-Scale Construction Projects. <i>International Journal of Civil Engineering</i> , 2018 , 16, 941-964	1.9	4
70	Economic-environmental equilibrium based optimal scheduling strategy towards wind-solar-thermal power generation system under limited resources. <i>Applied Energy</i> , 2018 , 231, 355-371	10.7	27
69	Transportation Cloud Service Composition Based on Fuzzy Programming and Genetic Algorithm. <i>Transportation Research Record</i> , 2018 , 2672, 64-75	1.7	1
68	Fuzzy Dynamical System Scenario Simulation-Based Cross-Border Financial Contagion Analysis: A Perspective From International Capital Flows. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 439-459	8.3	9
67	Hierarchical Supplier Selection Optimization with Multiple Items in Large-Scale Construction Projects. <i>Journal of Infrastructure Systems</i> , 2017 , 23, 04017003	2.9	5
66	Optimization for the Integrated Operations in an Uncertain Construction Supply Chain. <i>IEEE Transactions on Engineering Management</i> , 2017 , 64, 400-414	2.6	11
65	Noncooperative Game-Based Equilibrium Strategy to Address the Conflict between a Construction Company and Selected Suppliers. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017051	4.2	11
64	Integrated waste load allocation for river water pollution control under uncertainty: a case study of Tuojiang River, China. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 17741-17759	5.1	20
63	A Hybrid Optimal Model for Daily Reservoir Regulation Problem Under Fuzzy Random Environment. <i>International Journal of Civil Engineering</i> , 2017 , 15, 35-49	1.9	1
62	Carbon emission allowance allocation with a mixed mechanism in air passenger transport. <i>Journal of Environmental Management</i> , 2017 , 200, 204-216	7.9	27
61	A generalized nonlinear model-based mixed multinomial logit approach for crash data analysis. <i>Accident Analysis and Prevention</i> , 2017 , 99, 51-65	6.1	23
60	Equilibrium Strategy Based Recycling Facility Site Selection towards Mitigating Coal Gangue Contamination. <i>Sustainability</i> , 2017 , 9, 251	3.6	3
59	Optimal materials purchasing for ready-mixed concrete in construction projects with environmental effects. <i>International Journal of Applied Decision Sciences</i> , 2016 , 9, 70	0.8	1

58	Waste load equilibrium allocation: a soft path for coping with deteriorating water systems. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 14968-88	5.1	7
57	Carbon emission allowance allocation with cap and trade mechanism in air passenger transport. <i>Journal of Cleaner Production</i> , 2016 , 131, 308-320	10.3	35
56	Integrating Equality and Stability to Resolve Water Allocation Issues with a Multiobjective Bilevel Programming Model. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016013	2.8	30
55	Dynamic equilibrium strategy for drought emergency temporary water transfer and allocation management. <i>Journal of Hydrology</i> , 2016 , 539, 700-722	6	23
54	Engineering management: new advances and three open questions. <i>International Journal of Management Science and Engineering Management</i> , 2016 , 11, 71-77	2.8	2
53	Bi-Level Decision Making in Random Phenomenon. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2016 , 77-197	0.4	
52	Bi-Level Decision Making in Ra-Ra Phenomenon. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2016 , 199-282	0.4	
51	Constructed wetland planning-based bi-level optimization to balance the watershed ecosystem and economic development: A case study at the Chaohu Lake watershed, China. <i>Ecological Engineering</i> , 2016 , 97, 106-121	3.9	8
50	Equilibrium strategy based coal blending method for combined carbon and PM10 emissions reductions. <i>Applied Energy</i> , 2016 , 183, 1035-1052	10.7	36
49	Conflicts resolution based construction temporary facilities layout planning in large-scale construction projects. <i>Canadian Journal of Civil Engineering</i> , 2016 , 43, 783-801	1.3	5
48	A cloud theory-based particle swarm optimization for multiple decision maker vehicle routing problems with fuzzy random time windows. <i>Engineering Optimization</i> , 2015 , 47, 825-842	2	21
47	A tripartite equilibrium for carbon emission allowance allocation in the power-supply industry. <i>Energy Policy</i> , 2015 , 82, 62-80	7.2	37
46	Control Risk for Multimode Resource-Constrained Project Scheduling Problems under Hybrid Uncertainty. <i>Journal of Management in Engineering - ASCE</i> , 2015 , 31, 04014044	5.3	11
45	GIS-modelling based coal-fired power plant site identification and selection. <i>Applied Energy</i> , 2015 , 159, 520-539	10.7	32
44	Equilibrium strategy-based optimization method for the coal-water conflict: A perspective from China. <i>Journal of Environmental Management</i> , 2015 , 160, 312-23	7.9	15
43	A multi-objective bi-level location planning problem for stone industrial parks. <i>Computers and Operations Research</i> , 2015 , 56, 8-21	4.6	33
42	A multiple objective decision making model for energy generation portfolio under fuzzy uncertainty: Case study of large scale investor-owned utilities in Florida. <i>Renewable Energy</i> , 2015 , 75, 224-242	8.1	23
41	Multidemand Multisource Order Quantity Allocation with Multiple Transportation Alternatives. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-18	1.1	3

40	Constructed Wetland Planning-Based Bilevel Optimization Model under Fuzzy Random Environment: Case Study of Chaohu Lake. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04014057	2.8	10
39	TWO-STAGE BASED DYNAMIC EARTH-ROCK TRANSPORTATION ASSIGNMENT PROBLEM UNDER FUZZY RANDOM ENVIRONMENT TO EARTH-ROCK DAM CONSTRUCTION. <i>Journal of Civil Engineering and Management</i> , 2015 , 21, 775-797	3	9
38	Construction supply chain-based dynamic optimisation for the purchasing and inventory in a large scale construction project. <i>European Journal of Industrial Engineering</i> , 2015 , 9, 839	1.1	11
37	Administrative and market-based allocation mechanism for regional water resources planning. <i>Resources, Conservation and Recycling</i> , 2015 , 95, 156-173	11.9	42
36	Multi-objective dynamic layout problem for temporary construction facilities with unequal-area departments under fuzzy random environment. <i>Knowledge-Based Systems</i> , 2015 , 81, 30-45	7.3	37
35	Bi-level multiple mode resource-constrained project scheduling problems under hybrid uncertainty. <i>Journal of Industrial and Management Optimization</i> , 2015 , 12, 565-593	2	10
34	Applying rough random MODM model to resource-constrained project scheduling problem: A case study of Pubugou Hydropower Project in China. <i>KSCE Journal of Civil Engineering</i> , 2014 , 18, 1279-1291	1.9	4
33	Multimode resource-constrained multiple project scheduling problem under fuzzy random environment and its application to a large scale hydropower construction project. <i>Scientific World Journal, The</i> , 2014 , 2014, 463692	2.2	6
32	Suggestions for Temporary Construction Facilities Layout Problems in Large-Scale Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140, 06014001	4.2	9
31	Applying Multiobjective Bilevel Optimization under Fuzzy Random Environment to Traffic Assignment Problem: Case Study of a Large-Scale Construction Project. <i>Journal of Infrastructure Systems</i> , 2014 , 20, 05014003	2.9	8
30	Antithetic Method-Based Particle Swarm Optimization for a Queuing Network Problem with Fuzzy Data in Concrete Transportation Systems. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014 , 29, 771-800	8.4	58
29	Rough approximation based strategy model between a green building developer and a contractor under a fuzzy environment. <i>Knowledge-Based Systems</i> , 2013 , 46, 54-68	7.3	19
28	A dynamic programming-based particle swarm optimization algorithm for an inventory management problem under uncertainty. <i>Engineering Optimization</i> , 2013 , 45, 851-880	2	23
27	Resource Sharing-Based Multiobjective Multistage Construction Equipment Allocation under Fuzzy Environment. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 161-173	4.2	8
26	Multi-attribute comprehensive evaluation of individual research output based on published research papers. <i>Knowledge-Based Systems</i> , 2013 , 43, 135-142	7.3	12
25	Rough approximation-based random model for quarry location and stone materials transportation problem. <i>Canadian Journal of Civil Engineering</i> , 2013 , 40, 897-908	1.3	
24	Multi-objective bilevel construction material transportation scheduling in large-scale construction projects under a fuzzy random environment. <i>Transportation Planning and Technology</i> , 2013 , 36, 352-376	1.6	13
23	Hazmat Transportation Network Design Model with Emergency Response under Complex Fuzzy Environment. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-22	1.1	5

22	Bilevel Optimization of Regional Water Resources Allocation Problem under Fuzzy Random Environment. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2013 , 139, 246-264	2.8	70
21	Multiproject Resources Allocation Model under Fuzzy Random Environment and Its Application to Industrial Equipment Installation Engineering. <i>Journal of Applied Mathematics</i> , 2013 , 2013, 1-19	1.1	6
20	An Equilibrium Chance-Constrained Multiobjective Programming Model with Birandom Parameters and Its Application to Inventory Problem. <i>Journal of Applied Mathematics</i> , 2013 , 2013, 1-12	1.1	4
19	Production-distribution planning of construction supply chain management under fuzzy random environment for large-scale construction projects. <i>Journal of Industrial and Management Optimization</i> , 2013 , 9, 31-56	2	11
18	A consistency and consensus based decision support model for group decision making with multiplicative preference relations. <i>Decision Support Systems</i> , 2012 , 52, 757-767	5.6	198
17	A review on Ecological Engineering based Engineering Management. <i>Omega</i> , 2012 , 40, 368-378	7.2	24
16	Discrete time-cost-environment trade-off problem for large-scale construction systems with multiple modes under fuzzy uncertainty and its application to Jinping-II Hydroelectric Project. <i>International Journal of Project Management</i> , 2012 , 30, 950-966	7.6	71
15	A fuzzy random resource-constrained scheduling model with multiple projects and its application to a working procedure in a large-scale water conservancy and hydropower construction project. <i>Journal of Scheduling</i> , 2012 , 15, 253-272	1.6	28
14	A discrete time optimal control model with uncertainty for dynamic machine allocation problem and its application to manufacturing and construction industries. <i>Applied Mathematical Modelling</i> , 2012 , 36, 3513-3544	4.5	14
13	A Stone Resource Assignment Model under the Fuzzy Environment. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-26	1.1	12
12	A Nonlinear Multiobjective Bilevel Model for Minimum Cost Network Flow Problem in a Large-Scale Construction Project. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-40	1.1	12
11	Applying Optimal Control Model to Dynamic Equipment Allocation Problem: Case Study of Concrete-Faced Rockfill Dam Construction Project. <i>Journal of Construction Engineering and Management - ASCE</i> , 2011 , 137, 536-550	4.2	21
10	Vehicle routing optimization with soft time windows in a fuzzy random environment. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2011 , 47, 1075-1091	9	59
9	A multi-objective chance-constrained network optimal model with random fuzzy coefficients and its application to logistics distribution center location problem. <i>Fuzzy Optimization and Decision Making</i> , 2011 , 10, 255-285	5.1	23
8	A study on facility location-allocation problem in mixed environment of randomness and fuzziness. <i>Journal of Intelligent Manufacturing</i> , 2011 , 22, 389-398	6.7	24
7	Fuzzy-Like Multiple Objective Decision Making. <i>Studies in Fuzziness and Soft Computing</i> , 2011 ,	0.7	54
6	Random-Like Multiple Objective Decision Making. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2011 ,	0.4	15
5	A class of linear differential dynamical systems with fuzzy matrices. <i>Journal of Mathematical Analysis and Applications</i> , 2010 , 368, 54-68	1.1	40

4	A novel portfolio selection model in a hybrid uncertain environment. <i>Omega</i> , 2009 , 37, 439-449	7.2	62
3	A class of multi-objective expected value decision-making model with birandom coefficients and its application to flow shop scheduling problem. <i>Information Sciences</i> , 2009 , 179, 2997-3017	7.7	33
2	Multi-objective decision making model under fuzzy random environment and its application to inventory problems. <i>Information Sciences</i> , 2008 , 178, 2899-2914	7.7	58
1	A class of linear differential dynamical systems with fuzzy initial condition. <i>Fuzzy Sets and Systems</i> , 2007 , 158, 2339-2358	3.7	37