

Ziqiang Zeng

List of Publications by Year in descending order

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92
papers

2,398
citations

201385

27
h-index

243296

44
g-index

94
all docs

94
docs citations

94
times ranked

1833
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.5	234
2	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.	2.7	92
3	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.	1.3	84
4	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.	3.7	78
5	A novel portfolio selection model in a hybrid uncertain environment. <i>Omega</i> , 2009, 37, 439-449.	3.6	77
6	Fuzzy-Like Multiple Objective Decision Making. <i>Studies in Fuzziness and Soft Computing</i> , 2011, , ,	0.6	76
7	Multi-objective decision making model under fuzzy random environment and its application to inventory problems. <i>Information Sciences</i> , 2008, 178, 2899-2914.	4.0	74
8	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.	6.3	64
9	A class of linear differential dynamical systems with fuzzy initial condition. <i>Fuzzy Sets and Systems</i> , 2007, 158, 2339-2358.	1.6	56
10	Administrative and market-based allocation mechanism for regional water resources planning. <i>Resources, Conservation and Recycling</i> , 2015, 95, 156-173.	5.3	55
11	A class of linear differential dynamical systems with fuzzy matrices. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 368, 54-68.	0.5	53
12	A tripartite equilibrium for carbon emission allowance allocation in the power-supply industry. <i>Energy Policy</i> , 2015, 82, 62-80.	4.2	47
13	Equilibrium strategy based coal blending method for combined carbon and PM_{10} emissions reductions. <i>Applied Energy</i> , 2016, 182, 1025-1052.	5.1	47
14	A multi-objective bi-level location planning problem for stone industrial parks. <i>Computers and Operations Research</i> , 2015, 56, 8-21.	2.4	45
15	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.	5.1	45
16	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.	2.3	45
17	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.	4.0	44
18	Carbon emission allowance allocation with cap and trade mechanism in air passenger transport. <i>Journal of Cleaner Production</i> , 2016, 131, 308-320.	4.6	44

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19	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.	3.0	44
20	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, .	1.3	40
21	Carbon emission allowance allocation with a mixed mechanism in air passenger transport. <i>Journal of Environmental Management</i> , 2017, 200, 204-216.	3.8	40
22	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.	4.0	39
23	Carbon tax incentive policy towards air passenger transport carbon emissions reduction. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 85, 102441.	3.2	39
24	A review on Ecological Engineering based Engineering Management. <i>Omega</i> , 2012, 40, 368-378.	3.6	37
25	GIS-modelling based coal-fired power plant site identification and selection. <i>Applied Energy</i> , 2015, 159, 520-539.	5.1	37
26	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.	1.3	33
27	Dynamic equilibrium strategy for drought emergency temporary water transfer and allocation management. <i>Journal of Hydrology</i> , 2016, 539, 700-722.	2.3	30
28	A study on facility location allocation problem in mixed environment of randomness and fuzziness. <i>Journal of Intelligent Manufacturing</i> , 2011, 22, 389-398.	4.4	29
29	A generalized nonlinear model-based mixed multinomial logit approach for crash data analysis. <i>Accident Analysis and Prevention</i> , 2017, 99, 51-65.	3.0	29
30	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.	2.7	28
31	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.	3.4	27
32	A dynamic programming-based particle swarm optimization algorithm for an inventory management problem under uncertainty. <i>Engineering Optimization</i> , 2013, 45, 851-880.	1.5	26
33	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.	4.3	25
34	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.	4.8	25
35	Equilibrium approach towards water resource management and pollution control in coal chemical industrial park. <i>Journal of Environmental Management</i> , 2018, 219, 56-73.	3.8	24
36	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.	2.0	23

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37	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.	1.5	23
38	Optimization for the Integrated Operations in an Uncertain Construction Supply Chain. <i>IEEE Transactions on Engineering Management</i> , 2017, 64, 400-414.	2.4	23
39	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.	4.0	22
40	Equilibrium strategy-based optimization method for the coal-water conflict: A perspective from China. <i>Journal of Environmental Management</i> , 2015, 160, 312-323.	3.8	19
41	Carbon pricing initiatives-based bi-level pollution routing problem. <i>European Journal of Operational Research</i> , 2020, 286, 203-217.	3.5	19
42	Control Risk for Multimode Resource-Constrained Project Scheduling Problems under Hybrid Uncertainty. <i>Journal of Management in Engineering - ASCE</i> , 2015, 31, .	2.6	17
43	Integer Programming Models to Manage Consensus for Uncertain MCGDM Based on PSO Algorithms. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 888-902.	6.5	17
44	Random-Like Multiple Objective Decision Making. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2011, , .	0.3	17
45	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.	0.6	16
46	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.	0.8	16
47	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.	2.2	15
48	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.	0.9	15
49	A Stone Resource Assignment Model under the Fuzzy Environment. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-26.	0.6	14
50	Multi-attribute comprehensive evaluation of individual research output based on published research papers. <i>Knowledge-Based Systems</i> , 2013, 43, 135-142.	4.0	14
51	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, .	2.0	14
52	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.	0.8	14
53	Chinese Industrial Outward FDI Location Choice in ASEAN Countries. <i>Sustainability</i> , 2020, 12, 674.	1.6	14
54	A Softâ€Path Solution to Risk Reduction by Modeling Medical Waste Disposal Center Locationâ€Allocation Optimization. <i>Risk Analysis</i> , 2020, 40, 1863-1886.	1.5	13

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55	Balanced strategy based on environment and user benefit-oriented carpooling service mode for commuting trips. <i>Transportation</i> , 2021, 48, 1241-1266.	2.1	13
56	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, .	1.3	12
57	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.	0.5	12
58	Multistakeholder Conflict Minimization-Based Layout Planning of Construction Temporary Facilities. <i>Journal of Computing in Civil Engineering</i> , 2018, 32, .	2.5	12
59	Suggestions for Temporary Construction Facilities™ Layout Problems in Large-Scale Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014, 140, 06014001.	2.0	11
60	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, .	1.0	11
61	An innovative car sharing technological paradigm towards sustainable mobility. <i>Journal of Cleaner Production</i> , 2021, 288, 125626.	4.6	11
62	Bi-level multiple mode resource-constrained project scheduling problems under hybrid uncertainty. <i>Journal of Industrial and Management Optimization</i> , 2015, 12, 565-593.	0.8	11
63	Resource Sharing-Based Multiobjective Multistage Construction Equipment Allocation under Fuzzy Environment. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013, 139, 161-173.	2.0	10
64	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.	6.5	10
65	Hierarchical Supplier Selection Optimization with Multiple Items in Large-Scale Construction Projects. <i>Journal of Infrastructure Systems</i> , 2017, 23, .	1.0	10
66	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.	2.7	10
67	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.	1.9	9
68	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.	1.6	9
69	Two-period based carbon-economy equilibrium strategy for modular construction supply planning. <i>Journal of Cleaner Production</i> , 2021, 290, 125674.	4.6	9
70	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</i> , The, 2014, 2014, 1-20.	0.8	8
71	Waste load equilibrium allocation: a soft path for coping with deteriorating water systems. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14968-14988.	2.7	8
72	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.	1.2	8

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73	Optimal Hourly Scheduling for Wind-Hydropower Systems with Integrated Pumped-Storage Technology. <i>Journal of Energy Engineering - ASCE</i> , 2021, 147, .	1.0	8
74	Hazmat's Transportation Network Design Model with Emergency Response under Complex Fuzzy Environment. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-22.	0.6	7
75	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.	0.4	7
76	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.	0.9	7
77	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.	0.9	7
78	Conflicts resolution based construction temporary facilities layout planning in large-scale construction projects. <i>Canadian Journal of Civil Engineering</i> , 2016, 43, 783-801.	0.7	5
79	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.	1.7	5
80	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.	0.4	4
81	Multidemand Multisource Order Quantity Allocation with Multiple Transportation Alternatives. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-18.	0.6	4
82	Tripartite equilibrium strategy for a carbon tax setting problem in air passenger transport. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8512-8531.	2.7	4
83	Complex network analysis of bilateral international investment under de-globalization: Structural properties and evolution. <i>PLoS ONE</i> , 2019, 14, e0216130.	1.1	4
84	Engineering management: new advances and three open questions. <i>International Journal of Management Science and Engineering Management</i> , 2016, 11, 71-77.	2.6	3
85	Equilibrium Strategy Based Recycling Facility Site Selection towards Mitigating Coal Gangue Contamination. <i>Sustainability</i> , 2017, 9, 251.	1.6	3
86	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.	1.6	3
87	A Hybrid Optimal Model for Daily Reservoir Regulation Problem Under Fuzzy Random Environment. <i>International Journal of Civil Engineering</i> , 2017, 15, 35-49.	0.9	2
88	Transportation Cloud Service Composition Based on Fuzzy Programming and Genetic Algorithm. <i>Transportation Research Record</i> , 2018, 2672, 64-75.	1.0	2
89	Rough approximation-based random model for quarry location and stone materials transportation problem. <i>Canadian Journal of Civil Engineering</i> , 2013, 40, 897-908.	0.7	1
90	Optimal materials purchasing for ready-mixed concrete in construction projects with environmental effects. <i>International Journal of Applied Decision Sciences</i> , 2016, 9, 70.	0.2	1

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91	Bi-Level Decision Making in Random Phenomenon. Lecture Notes in Economics and Mathematical Systems, 2016, , 77-197.	0.3	0
92	Multiple Objective Multistage Decision Making. Studies in Computational Intelligence, 2014, , 1-68.	0.7	0