Ziqiang Zeng

List of Publications by Citations

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	A consistency and consensus based decision support model for group decision making with multiplicative preference relations. *Decision Support Systems*, **2012**, 52, 757-767	5.6	198
92	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. *International Journal of Project Management*, **2012**, 30, 950-966	7.6	71
91	Bilevel Optimization of Regional Water Resources Allocation Problem under Fuzzy Random Environment. *Journal of Water Resources Planning and Management - ASCE*, **2013**, 139, 246-264	2.8	70
90	A novel portfolio selection model in a hybrid uncertain environment. *Omega*, **2009**, 37, 439-449	7.2	62
89	Vehicle routing optimization with soft time windows in a fuzzy random environment. *Transportation Research, Part E: Logistics and Transportation Review*, **2011**, 47, 1075-1091	9	59
88	Antithetic Method-Based Particle Swarm Optimization for a Queuing Network Problem with Fuzzy Data in Concrete Transportation Systems. *Computer-Aided Civil and Infrastructure Engineering*, **2014**, 29, 771-800	8.4	58
87	Multi-objective decision making model under fuzzy random environment and its application to inventory problems. *Information Sciences*, **2008**, 178, 2899-2914	7.7	58
86	Fuzzy-Like Multiple Objective Decision Making. *Studies in Fuzziness and Soft Computing*, **2011**,	0.7	54
85	Administrative and market-based allocation mechanism for regional water resources planning. *Resources, Conservation and Recycling*, **2015**, 95, 156-173	11.9	42
84	A class of linear differential dynamical systems with fuzzy matrices. *Journal of Mathematical Analysis and Applications*, **2010**, 368, 54-68	1.1	40
83	A tripartite equilibrium for carbon emission allowance allocation in the power-supply industry. *Energy Policy*, **2015**, 82, 62-80	7.2	37
82	Multi-objective dynamic layout problem for temporary construction facilities with unequal-area departments under fuzzy random environment. *Knowledge-Based Systems*, **2015**, 81, 30-45	7.3	37
81	A class of linear differential dynamical systems with fuzzy initial condition. *Fuzzy Sets and Systems*, **2007**, 158, 2339-2358	3.7	37
80	Equilibrium strategy based coal blending method for combined carbon and PM10 emissions reductions. *Applied Energy*, **2016**, 183, 1035-1052	10.7	36
79	Carbon emission allowance allocation with cap and trade mechanism in air passenger transport. *Journal of Cleaner Production*, **2016**, 131, 308-320	10.3	35
78	A multi-objective bi-level location planning problem for stone industrial parks. *Computers and Operations Research*, **2015**, 56, 8-21	4.6	33
77	A class of multi-objective expected value decision-making model with birandom coefficients and its application to flow shop scheduling problem. *Information Sciences*, **2009**, 179, 2997-3017	7.7	33

76	GIS-modelling based coal-fired power plant site identification and selection. *Applied Energy*, **2015**, 159, 520-539	10.7	32
75	Identification of significant factors in fatal-injury highway crashes using genetic algorithm and neural network. *Accident Analysis and Prevention*, **2018**, 111, 354-363	6.1	31
74	Integrating Equality and Stability to Resolve Water Allocation Issues with a Multiobjective Bilevel Programming Model. *Journal of Water Resources Planning and Management - ASCE*, **2016**, 142, 04016013	2.8	30
73	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. *Journal of Scheduling*, **2012**, 15, 253-272	1.6	28
72	Carbon emission allowance allocation with a mixed mechanism in air passenger transport. *Journal of Environmental Management*, **2017**, 200, 204-216	7.9	27
71	Economic-environmental equilibrium based optimal scheduling strategy towards wind-solar-thermal power generation system under limited resources. *Applied Energy*, **2018**, 231, 355-371	10.7	27
70	A review on Ecological Engineering based Engineering Management. *Omega*, **2012**, 40, 368-378	7.2	24
69	A study on facility location–allocation problem in mixed environment of randomness and fuzziness. *Journal of Intelligent Manufacturing*, **2011**, 22, 389-398	6.7	24
68	A multiple objective decision making model for energy generation portfolio under fuzzy uncertainty: Case study of large scale investor-owned utilities in Florida. *Renewable Energy*, **2015**, 75, 224-242	8.1	23
67	Dynamic equilibrium strategy for drought emergency temporary water transfer and allocation management. *Journal of Hydrology*, **2016**, 539, 700-722	6	23
66	A dynamic programming-based particle swarm optimization algorithm for an inventory management problem under uncertainty. *Engineering Optimization*, **2013**, 45, 851-880	2	23
65	A generalized nonlinear model-based mixed multinomial logit approach for crash data analysis. *Accident Analysis and Prevention*, **2017**, 99, 51-65	6.1	23
64	A multi-objective chance-constrained network optimal model with random fuzzy coefficients and its application to logistics distribution center location problem. *Fuzzy Optimization and Decision Making*, **2011**, 10, 255-285	5.1	23
63	Intergenerational equity based optimal water allocation for sustainable development: A case study on the upper reaches of Minjiang River, China. *Journal of Hydrology*, **2019**, 568, 835-848	6	22
62	A cloud theory-based particle swarm optimization for multiple decision maker vehicle routing problems with fuzzy random time windows. *Engineering Optimization*, **2015**, 47, 825-842	2	21
61	Carbon tax incentive policy towards air passenger transport carbon emissions reduction. *Transportation Research, Part D: Transport and Environment*, **2020**, 85, 102441	6.4	21
60	Applying Optimal Control Model to Dynamic Equipment Allocation Problem: Case Study of Concrete-Faced Rockfill Dam Construction Project. *Journal of Construction Engineering and Management - ASCE*, **2011**, 137, 536-550	4.2	21
59	Integrated waste load allocation for river water pollution control under uncertainty: a case study of Tuojiang River, China. *Environmental Science and Pollution Research*, **2017**, 24, 17741-17759	5.1	20

58	Rough approximation based strategy model between a green building developer and a contractor under a fuzzy environment. *Knowledge-Based Systems*, **2013**, 46, 54-68	7.3	19
57	Equilibrium strategy-based optimization method for the coal-water conflict: A perspective from China. *Journal of Environmental Management*, **2015**, 160, 312-23	7.9	15
56	Conflict resolution-motivated strategy towards integrated construction site layout and material logistics planning: A bi-stakeholder perspective. *Automation in Construction*, **2018**, 87, 138-157	9.6	15
55	Random-Like Multiple Objective Decision Making. *Lecture Notes in Economics and Mathematical Systems*, **2011**,	0.4	15
54	A discrete time optimal control model with uncertainty for dynamic machine allocation problem and its application to manufacturing and construction industries. *Applied Mathematical Modelling*, **2012**, 36, 3513-3544	4.5	14
53	Equilibrium approach towards water resource management and pollution control in coal chemical industrial park. *Journal of Environmental Management*, **2018**, 219, 56-73	7.9	13
52	Multi-objective bilevel construction material transportation scheduling in large-scale construction projects under a fuzzy random environment. *Transportation Planning and Technology*, **2013**, 36, 352-376	1.6	13
51	Multi-attribute comprehensive evaluation of individual research output based on published research papers. *Knowledge-Based Systems*, **2013**, 43, 135-142	7.3	12
50	A Stone Resource Assignment Model under the Fuzzy Environment. *Mathematical Problems in Engineering*, **2012**, 2012, 1-26	1.1	12
49	A Nonlinear Multiobjective Bilevel Model for Minimum Cost Network Flow Problem in a Large-Scale Construction Project. *Mathematical Problems in Engineering*, **2012**, 2012, 1-40	1.1	12
48	Optimization for the Integrated Operations in an Uncertain Construction Supply Chain. *IEEE Transactions on Engineering Management*, **2017**, 64, 400-414	2.6	11
47	Noncooperative Game-Based Equilibrium Strategy to Address the Conflict between a Construction Company and Selected Suppliers. *Journal of Construction Engineering and Management - ASCE*, **2017**, 143, 04017051	4.2	11
46	Control Risk for Multimode Resource-Constrained Project Scheduling Problems under Hybrid Uncertainty. *Journal of Management in Engineering - ASCE*, **2015**, 31, 04014044	5.3	11
45	Construction supply chain-based dynamic optimisation for the purchasing and inventory in a large scale construction project. *European Journal of Industrial Engineering*, **2015**, 9, 839	1.1	11
44	Production-distribution planning of construction supply chain management under fuzzy random environment for large-scale construction projects. *Journal of Industrial and Management Optimization*, **2013**, 9, 31-56	2	11
43	Integer Programming Models to Manage Consensus for Uncertain MCGDM Based on PSO Algorithms. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 888-902	8.3	10
42	Constructed Wetland Planning-Based Bilevel Optimization Model under Fuzzy Random Environment: Case Study of Chaohu Lake. *Journal of Water Resources Planning and Management - ASCE*, **2015**, 141, 04014057	2.8	10
41	Bi-level multiple mode resource-constrained project scheduling problems under hybrid uncertainty. *Journal of Industrial and Management Optimization*, **2015**, 12, 565-593	2	10

40	Fuzzy Dynamical System Scenario Simulation-Based Cross-Border Financial Contagion Analysis: A Perspective From International Capital Flows. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 439-459	8.3	9
39	TWO-STAGE BASED DYNAMIC EARTH-ROCK TRANSPORTATION ASSIGNMENT PROBLEM UNDER FUZZY RANDOM ENVIRONMENT TO EARTH-ROCK DAM CONSTRUCTION. *Journal of Civil Engineering and Management*, **2015**, 21, 775-797	3	9
38	Suggestions for Temporary Construction Facilities Layout Problems in Large-Scale Construction Projects. *Journal of Construction Engineering and Management - ASCE*, **2014**, 140, 06014001	4.2	9
37	Multistakeholder Conflict Minimization Based Layout Planning of Construction Temporary Facilities. *Journal of Computing in Civil Engineering*, **2018**, 32, 04017080	5	9
36	New Framework for Automatic Identification and Quantification of Freeway Bottlenecks Based on Wavelet Analysis. *Journal of Transportation Engineering Part A: Systems*, **2018**, 144, 04018044	1.5	8
35	Resource Sharing-Based Multiobjective Multistage Construction Equipment Allocation under Fuzzy Environment. *Journal of Construction Engineering and Management - ASCE*, **2013**, 139, 161-173	4.2	8
34	Applying Multiobjective Bilevel Optimization under Fuzzy Random Environment to Traffic Assignment Problem: Case Study of a Large-Scale Construction Project. *Journal of Infrastructure Systems*, **2014**, 20, 05014003	2.9	8
33	Constructed wetland planning-based bi-level optimization to balance the watershed ecosystem and economic development: A case study at the Chaohu Lake watershed, China. *Ecological Engineering*, **2016**, 97, 106-121	3.9	8
32	Carbon pricing initiatives-based bi-level pollution routing problem. *European Journal of Operational Research*, **2020**, 286, 203-217	5.6	8
31	Waste load equilibrium allocation: a soft path for coping with deteriorating water systems. *Environmental Science and Pollution Research*, **2016**, 23, 14968-88	5.1	7
30	Chinese Industrial Outward FDI Location Choice in ASEAN Countries. *Sustainability*, **2020**, 12, 674	3.6	6
29	Multimode resource-constrained multiple project scheduling problem under fuzzy random environment and its application to a large scale hydropower construction project. *Scientific World Journal, The*, **2014**, 2014, 463692	2.2	6
28	Multiproject Resources Allocation Model under Fuzzy Random Environment and Its Application to Industrial Equipment Installation Engineering. *Journal of Applied Mathematics*, **2013**, 2013, 1-19	1.1	6
27	Hierarchical Supplier Selection Optimization with Multiple Items in Large-Scale Construction Projects. *Journal of Infrastructure Systems*, **2017**, 23, 04017003	2.9	5
26	A Soft-Path Solution to Risk Reduction by Modeling Medical Waste Disposal Center Location-Allocation Optimization. *Risk Analysis*, **2020**, 40, 1863-1886	3.9	5
25	Finding the de-carbonization potentials in the transport sector: application of scenario analysis with a hybrid prediction model. *Environmental Science and Pollution Research*, **2020**, 27, 21762-21776	5.1	5
24	Constructed wetland modelling for watershed ecosystem protection under a certain economic load: A case study at the Chaohu Lake watershed, China. *Ecological Modelling*, **2018**, 368, 180-190	3	5
23	Hazmats Transportation Network Design Model with Emergency Response under Complex Fuzzy Environment. *Mathematical Problems in Engineering*, **2013**, 2013, 1-22	1.1	5

22	An innovative car sharing technological paradigm towards sustainable mobility. *Journal of Cleaner Production*, **2021**, 288, 125626	10.3	5
21	Conflicts resolution based construction temporary facilities layout planning in large-scale construction projects. *Canadian Journal of Civil Engineering*, **2016**, 43, 783-801	1.3	5
20	Balanced strategy based on environment and user benefit-oriented carpooling service mode for commuting trips. *Transportation*, **2021**, 48, 1241-1266	4	5
19	Applying rough random MODM model to resource-constrained project scheduling problem: A case study of Pubugou Hydropower Project in China. *KSCE Journal of Civil Engineering*, **2014**, 18, 1279-1291	1.9	4
18	An Equilibrium Chance-Constrained Multiobjective Programming Model with Birandom Parameters and Its Application to Inventory Problem. *Journal of Applied Mathematics*, **2013**, 2013, 1-12	1.1	4
17	Optimal Hourly Scheduling for Wind-Hydropower Systems with Integrated Pumped-Storage Technology. *Journal of Energy Engineering - ASCE*, **2021**, 147,	1.7	4
16	Bi-stakeholder Conflict Resolution-Based Layout of Construction Temporary Facilities in Large-Scale Construction Projects. *International Journal of Civil Engineering*, **2018**, 16, 941-964	1.9	4
15	Equilibrium Strategy Based Recycling Facility Site Selection towards Mitigating Coal Gangue Contamination. *Sustainability*, **2017**, 9, 251	3.6	3
14	Multidemand Multisource Order Quantity Allocation with Multiple Transportation Alternatives. *Mathematical Problems in Engineering*, **2015**, 2015, 1-18	1.1	3
13	Complex network analysis of bilateral international investment under de-globalization: Structural properties and evolution. *PLoS ONE*, **2019**, 14, e0216130	3.7	2
12	Tripartite equilibrium strategy for a carbon tax setting problem in air passenger transport. *Environmental Science and Pollution Research*, **2018**, 25, 8512-8531	5.1	2
11	Engineering management: new advances and three open questions. *International Journal of Management Science and Engineering Management*, **2016**, 11, 71-77	2.8	2
10	A Hybrid Optimal Model for Daily Reservoir Regulation Problem Under Fuzzy Random Environment. *International Journal of Civil Engineering*, **2017**, 15, 35-49	1.9	1
9	Optimal materials purchasing for ready-mixed concrete in construction projects with environmental effects. *International Journal of Applied Decision Sciences*, **2016**, 9, 70	0.8	1
8	Optimal location of the U-turn at a signalised intersection with double left-turn lanes. *IET Intelligent Transport Systems*, **2019**, 13, 531-540	2.4	1
7	Two-period based carbon-economy equilibrium strategy for modular construction supply planning. *Journal of Cleaner Production*, **2021**, 290, 125674	10.3	1
6	Transportation Cloud Service Composition Based on Fuzzy Programming and Genetic Algorithm. *Transportation Research Record*, **2018**, 2672, 64-75	1.7	1
5	A two-dimensional journal classification method based on output and input factors: perspectives from citation and authorship related indicators. *Scientometrics*, **2021**, 126, 3929-3964	3	0

4	Rough approximation-based random model for quarry location and stone materials transportation problem. *Canadian Journal of Civil Engineering*, **2013**, 40, 897-908	1.3
3	Economic-Environmental Equilibrium-Based Wind Solar Thermal Power Generation System **2022**, 285-319	7
2	Bi-Level Decision Making in Random Phenomenon. *Lecture Notes in Economics and Mathematical Systems*, **2016**, 77-197	0.4
1	Bi-Level Decision Making in Ra-Ra Phenomenon. *Lecture Notes in Economics and Mathematical Systems*, **2016**, 199-282	0.4