

Xiaoge Zhang

List of Publications by Year in descending order

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46
papers

1,743
citations

279487

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276539

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all docs

46
docs citations

46
times ranked

1391
citing authors

#	ARTICLE	IF	CITATIONS
1	Bilevel Optimization Model for Resilient Configuration of Logistics Service Centers. IEEE Transactions on Reliability, 2022, 71, 469-483.	3.5	7
2	Bayesian Deep Learning for Aircraft Hard Landing Safety Assessment. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17062-17076.	4.7	14
3	Explainable machine learning in image classification models: An uncertainty quantification perspective. Knowledge-Based Systems, 2022, 243, 108418.	4.0	26
4	Towards risk-aware artificial intelligence and machine learning systems: An overview. Decision Support Systems, 2022, 159, 113800.	3.5	18
5	Bayesian network modeling of accident investigation reports for aviation safety assessment. Reliability Engineering and System Safety, 2021, 209, 107371.	5.1	85
6	Sequential deep learning from NTSB reports for aviation safety prognosis. Safety Science, 2021, 142, 105390.	2.6	29
7	An Accelerated <i>Physarum</i> Solver for Network Optimization. IEEE Transactions on Cybernetics, 2020, 50, 765-776.	6.2	13
8	Multi-source information fusion to assess control room operator performance. Reliability Engineering and System Safety, 2020, 194, 106287.	5.1	14
9	Bayesian neural networks for flight trajectory prediction and safety assessment. Decision Support Systems, 2020, 131, 113246.	3.5	87
10	Network Reconfiguration for Increasing Transportation System Resilience Under Extreme Events. Risk Analysis, 2019, 39, 2054-2075.	1.5	25
11	Ensemble machine learning models for aviation incident risk prediction. Decision Support Systems, 2019, 116, 48-63.	3.5	101
12	Measuring the vulnerability of community structure in complex networks. Reliability Engineering and System Safety, 2018, 174, 41-52.	5.1	24
13	Physarum-Inspired Solutions to Network Optimization Problems. Emergence, Complexity and Computation, 2018, , 329-363.	0.2	1
14	A Bio-Inspired Approach to Traffic Network Equilibrium Assignment Problem. IEEE Transactions on Cybernetics, 2018, 48, 1304-1315.	6.2	31
15	Physarum polycephalum assignment: a new attempt for fuzzy user equilibrium. Soft Computing, 2018, 22, 3711-3720.	2.1	2
16	Resilience-based network design under uncertainty. Reliability Engineering and System Safety, 2018, 169, 364-379.	5.1	94
17	A Hybrid Data-Driven Approach to Analyze Aviation Incident Reports. , 2018, , .		5
18	Emergent computing and its applications. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 548-549.	0.7	0

#	ARTICLE	IF	CITATIONS
19	An intelligent physarum solver for supply chain network design under profit maximization and oligopolistic competition. International Journal of Production Research, 2017, 55, 244-263.	4.9	39
20	Reliability analysis with linguistic data: An evidential network approach. Reliability Engineering and System Safety, 2017, 162, 111-121.	5.1	89
21	Aircraft re-routing optimization and performance assessment under uncertainty. Decision Support Systems, 2017, 96, 67-82.	3.5	49
22	An adaptive amoeba algorithm for shortest path tree computation in dynamic graphs. Information Sciences, 2017, 405, 123-140.	4.0	13
23	Physarum solver: a bio-inspired method for sustainable supply chain network design problem. Annals of Operations Research, 2017, 254, 533-552.	2.6	16
24	A Game Theoretic Approach to Network Reliability Assessment. IEEE Transactions on Reliability, 2017, 66, 875-892.	3.5	19
25	Supplier selection based on evidence theory and analytic network process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 562-573.	1.5	48
26	A Physarum-inspired approach to supply chain network design. Science China Information Sciences, 2016, 59, 1.	2.7	25
27	Slime Mould Inspired Applications on Graph-Optimization Problems. Emergence, Complexity and Computation, 2016, , 519-562.	0.2	7
28	A Biologically Inspired Network Design Model. Scientific Reports, 2015, 5, 10794.	1.6	23
29	Physarum-Inspired Applications in Graph-Optimization Problems. Parallel Processing Letters, 2015, 25, 1540005.	0.4	9
30	An anticipation mechanism for the shortest path problem based on Physarum polycephalum. International Journal of General Systems, 2015, 44, 326-340.	1.2	6
31	A fuzzy extended analytic network process-based approach for global supplier selection. Applied Intelligence, 2015, 43, 760-772.	3.3	38
32	An Improved Physarum polycephalum Algorithm for the Shortest Path Problem. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	7
33	A Bio-Inspired Method for the Constrained Shortest Path Problem. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	12
34	An improved bio-inspired algorithm for the directed shortest path problem. Bioinspiration and Biomimetics, 2014, 9, 046016.	1.5	3
35	A bio-inspired algorithm for identification of critical components in the transportation networks. Applied Mathematics and Computation, 2014, 248, 18-27.	1.4	15
36	An evidential DEMATEL method to identify critical success factors in emergency management. Applied Soft Computing Journal, 2014, 22, 504-510.	4.1	136

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37	Rapid Physarum Algorithm for shortest path problem. Applied Soft Computing Journal, 2014, 23, 19-26.	4.1	30
38	A Biologically Inspired Optimization Algorithm for Solving Fuzzy Shortest Path Problems with Mixed Fuzzy Arc Lengths. Journal of Optimization Theory and Applications, 2014, 163, 1049-1056.	0.8	23
39	Solving 0-1 knapsack problems based on amoeboid organism algorithm. Applied Mathematics and Computation, 2013, 219, 9959-9970.	1.4	71
40	IFSJSP: A novel methodology for the Job-Shop Scheduling Problem based on intuitionistic fuzzy sets. International Journal of Production Research, 2013, 51, 5100-5119.	4.9	77
41	An adaptive amoeba algorithm for constrained shortest paths. Expert Systems With Applications, 2013, 40, 7607-7616.	4.4	31
42	A modified multi-criterion optimization genetic algorithm for order distribution in collaborative supply chain. Applied Mathematical Modelling, 2013, 37, 7855-7864.	2.2	42
43	Identifying influential nodes in weighted networks based on evidence theory. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2564-2575.	1.2	174
44	Route selection for emergency logistics management: A bio-inspired algorithm. Safety Science, 2013, 54, 87-91.	2.6	100
45	A Bio-Inspired Methodology of Identifying Influential Nodes in Complex Networks. PLoS ONE, 2013, 8, e66732.	1.1	62
46	An amoeboid algorithm for shortest path in fuzzy weighted networks. , 2012, , .		3