

Xiaoge Zhang

List of Publications by Year in descending order

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46
papers

1,743
citations

279487

23
h-index

276539

41
g-index

46
all docs

46
docs citations

46
times ranked

1391
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying influential nodes in weighted networks based on evidence theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 2564-2575.	1.2	174
2	An evidential DEMATEL method to identify critical success factors in emergency management. <i>Applied Soft Computing Journal</i> , 2014, 22, 504-510.	4.1	136
3	Ensemble machine learning models for aviation incident risk prediction. <i>Decision Support Systems</i> , 2019, 116, 48-63.	3.5	101
4	Route selection for emergency logistics management: A bio-inspired algorithm. <i>Safety Science</i> , 2013, 54, 87-91.	2.6	100
5	Resilience-based network design under uncertainty. <i>Reliability Engineering and System Safety</i> , 2018, 169, 364-379.	5.1	94
6	Reliability analysis with linguistic data: An evidential network approach. <i>Reliability Engineering and System Safety</i> , 2017, 162, 111-121.	5.1	89
7	Bayesian neural networks for flight trajectory prediction and safety assessment. <i>Decision Support Systems</i> , 2020, 131, 113246.	3.5	87
8	Bayesian network modeling of accident investigation reports for aviation safety assessment. <i>Reliability Engineering and System Safety</i> , 2021, 209, 107371.	5.1	85
9	IFSJSP: A novel methodology for the Job-Shop Scheduling Problem based on intuitionistic fuzzy sets. <i>International Journal of Production Research</i> , 2013, 51, 5100-5119.	4.9	77
10	Solving 0-1 knapsack problems based on amoeboid organism algorithm. <i>Applied Mathematics and Computation</i> , 2013, 219, 9959-9970.	1.4	71
11	A Bio-Inspired Methodology of Identifying Influential Nodes in Complex Networks. <i>PLoS ONE</i> , 2013, 8, e66732.	1.1	62
12	Aircraft re-routing optimization and performance assessment under uncertainty. <i>Decision Support Systems</i> , 2017, 96, 67-82.	3.5	49
13	Supplier selection based on evidence theory and analytic network process. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2016, 230, 562-573.	1.5	48
14	A modified multi-criterion optimization genetic algorithm for order distribution in collaborative supply chain. <i>Applied Mathematical Modelling</i> , 2013, 37, 7855-7864.	2.2	42
15	An intelligent physarum solver for supply chain network design under profit maximization and oligopolistic competition. <i>International Journal of Production Research</i> , 2017, 55, 244-263.	4.9	39
16	A fuzzy extended analytic network process-based approach for global supplier selection. <i>Applied Intelligence</i> , 2015, 43, 760-772.	3.3	38
17	An adaptive amoeba algorithm for constrained shortest paths. <i>Expert Systems With Applications</i> , 2013, 40, 7607-7616.	4.4	31
18	A Bio-Inspired Approach to Traffic Network Equilibrium Assignment Problem. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 1304-1315.	6.2	31

#	ARTICLE	IF	CITATIONS
19	Rapid Physarum Algorithm for shortest path problem. Applied Soft Computing Journal, 2014, 23, 19-26.	4.1	30
20	Sequential deep learning from NTSB reports for aviation safety prognosis. Safety Science, 2021, 142, 105390.	2.6	29
21	Explainable machine learning in image classification models: An uncertainty quantification perspective. Knowledge-Based Systems, 2022, 243, 108418.	4.0	26
22	A Physarum-inspired approach to supply chain network design. Science China Information Sciences, 2016, 59, 1.	2.7	25
23	Network Reconfiguration for Increasing Transportation System Resilience Under Extreme Events. Risk Analysis, 2019, 39, 2054-2075.	1.5	25
24	Measuring the vulnerability of community structure in complex networks. Reliability Engineering and System Safety, 2018, 174, 41-52.	5.1	24
25	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
26	A Biologically Inspired Network Design Model. Scientific Reports, 2015, 5, 10794.	1.6	23
27	A Game Theoretic Approach to Network Reliability Assessment. IEEE Transactions on Reliability, 2017, 66, 875-892.	3.5	19
28	Towards risk-aware artificial intelligence and machine learning systems: An overview. Decision Support Systems, 2022, 159, 113800.	3.5	18
29	Physarum solver: a bio-inspired method for sustainable supply chain network design problem. Annals of Operations Research, 2017, 254, 533-552.	2.6	16
30	A bio-inspired algorithm for identification of critical components in the transportation networks. Applied Mathematics and Computation, 2014, 248, 18-27.	1.4	15
31	Multi-source information fusion to assess control room operator performance. Reliability Engineering and System Safety, 2020, 194, 106287.	5.1	14
32	Bayesian Deep Learning for Aircraft Hard Landing Safety Assessment. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17062-17076.	4.7	14
33	An adaptive amoeba algorithm for shortest path tree computation in dynamic graphs. Information Sciences, 2017, 405, 123-140.	4.0	13
34	An Accelerated Physarum Solver for Network Optimization. IEEE Transactions on Cybernetics, 2020, 50, 765-776.	6.2	13
35	A Bio-Inspired Method for the Constrained Shortest Path Problem. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	12
36	Physarum-Inspired Applications in Graph-Optimization Problems. Parallel Processing Letters, 2015, 25, 1540005.	0.4	9

#	ARTICLE	IF	CITATIONS
37	An ImprovedPhysarum polycephalumAlgorithm for the Shortest Path Problem. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	7
38	Slime Mould Inspired Applications on Graph-Optimization Problems. Emergence, Complexity and Computation, 2016, , 519-562.	0.2	7
39	Bilevel Optimization Model for Resilient Configuration of Logistics Service Centers. IEEE Transactions on Reliability, 2022, 71, 469-483.	3.5	7
40	An anticipation mechanism for the shortest path problem based onPhysarum polycephalum. International Journal of General Systems, 2015, 44, 326-340.	1.2	6
41	A Hybrid Data-Driven Approach to Analyze Aviation Incident Reports. , 2018, , .		5
42	An amoeboid algorithm for shortest path in fuzzy weighted networks. , 2012, , .		3
43	An improved bio-inspired algorithm for the directed shortest path problem. Bioinspiration and Biomimetics, 2014, 9, 046016.	1.5	3
44	Physarum polycephalum assignment: a new attempt for fuzzy user equilibrium. Soft Computing, 2018, 22, 3711-3720.	2.1	2
45	Physarum-Inspired Solutions to Network Optimization Problems. Emergence, Complexity and Computation, 2018, , 329-363.	0.2	1
46	Emergent computing and its applications. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 548-549.	0.7	0