

Benjamin Baran

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

991
citations

1039880

9
h-index

752573

20
g-index

69
all docs

69
docs citations

69
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance metrics in multi-objective optimization. , 2015, , .		220
2	A survey on multi-objective evolutionary algorithms for many-objective problems. Computational Optimization and Applications, 2014, 58, 707.	0.9	196
3	A Virtual Machine Placement Taxonomy. , 2015, , .		65
4	Multiobjective Harmony Search Algorithm Proposals. Electronic Notes in Theoretical Computer Science, 2011, 281, 51-67.	0.9	45
5	Multi-objective Virtual Machine Placement with Service Level Agreement: A Memetic Algorithm Approach. , 2013, , .		44
6	Solving multiobjective multicast routing problem with a new ant colony optimization approach. , 2005, , .		40
7	Many-Objective Virtual Machine Placement. Journal of Grid Computing, 2017, 15, 161-176.	2.5	37
8	A Survey on Algorithmic Aspects of Virtual Optical Network Embedding for Cloud Networks. IEEE Access, 2018, 6, 20893-20906.	2.6	27
9	Virtual machine placement for elastic infrastructures in overbooked cloud computing datacenters under uncertainty. Future Generation Computer Systems, 2018, 79, 830-848.	4.9	25
10	Spectrum defragmentation algorithms in elastic optical networks. Optical Switching and Networking, 2019, 34, 10-22.	1.2	25
11	Routing and wavelength assignment over WDM optical networks. , 2007, , .		21
12	Multi-objective optimization scheme for multicast flows. , 2005, , .		17
13	Routing and wavelength converter allocation in WDM networks: a multi-objective evolutionary optimization approach. Photonic Network Communications, 2011, 22, 23-45.	1.4	15
14	Many-objective virtual machine placement for dynamic environments. , 2015, , .		15
15	Linear nearest neighbor optimization in quantum circuits: a multiobjective perspective. Quantum Information Processing, 2017, 16, 1.	1.0	14
16	A Comparative Evaluation of Algorithms for Auction-Based Cloud Pricing Prediction. , 2016, , .		13
17	A multi-objective two-echelon vehicle routing problem. An urban goods movement approach for smart city logistics. , 2017, , .		12
18	Distribution System Operation and Expansion Planning using Network Reconfiguration. IEEE Latin America Transactions, 2020, 18, 845-852.	1.2	10

#	ARTICLE	IF	CITATIONS
19	An overview on evolutionary algorithms for many-objective optimization problems. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1267.	4.6	9
20	Virtual machine placement. A multi-objective approach. , 2013, , .		8
21	Workload generation for virtual machine placement in cloud computing environments. , 2016, , .		8
22	Improved AntNet routing. , 2001, , .		8
23	Multi-objective routing and wavelength converter allocation under uncertain traffic. Optical Switching and Networking, 2015, 16, 1-20.	1.2	7
24	An Experimental Comparison of Algorithms for Virtual Machine Placement Considering Many Objectives. , 2016, , .		7
25	A Taxonomy on Dynamic Environments for Provider-Oriented Virtual Machine Placement. , 2016, , .		7
26	Cloud computing resource allocation taxonomies. International Journal of Cloud Computing, 2017, 6, 238.	0.3	7
27	Multiobjective Optimization in a Quantum Adiabatic Computer. Electronic Notes in Theoretical Computer Science, 2016, 329, 27-38.	0.9	6
28	Two-phase virtual machine placement algorithms for cloud computing: An experimental evaluation under uncertainty. , 2017, , .		6
29	Hashing based traffic partitioning in a multicast-multipath MPLS network model. , 2005, , .		5
30	Many-Objective Optimization for Virtual Machine Placement in Cloud Computing. , 2017, , 291-326.		5
31	Optimal Placement of Remote Controlled Switches in Electric Power Distribution Systems with a Meta-heuristic Approach. IEEE Latin America Transactions, 2022, 20, 590-598.	1.2	5
32	Asynchronous team algorithms for Boolean Satisfiability. , 2007, , .		4
33	A Serial Optimization and Link-oriented Based Routing Approach for RMLSA in Elastic Optical Networks. , 2018, , .		4
34	Multiobjective Multicast Routing with Ant Colony Optimization. , 2006, , 101-115.		4
35	Wavelength Converter Allocation in Optical Networks: An Evolutionary Multi-objective Optimization Approach. , 2009, , .		3
36	Clustering Based Parallel Many-Objective Evolutionary Algorithms Using the Shape of the Objective Vectors. Lecture Notes in Computer Science, 2015, , 50-64.	1.0	3

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37	Evaluation of Two-Phase Virtual Machine Placement Algorithms for Green Cloud Datacenters. , 2019, , .		3
38	Team Algorithms Based on Ant Colony Optimization â€“ A New Multi-Objective Optimization Approach. Lecture Notes in Computer Science, 2008, , 773-783.	1.0	3
39	A multitree approach for multicast routing. , 2005, , .		2
40	Optimizaci3n de enjambre de part3culas para problemas de muchos objetivos. , 2015, , .		2
41	A multi-objective approach for virtual network embedding. , 2015, , .		2
42	Auction-based resource provisioning in cloud computing. A taxonomy. , 2015, , .		2
43	Multiobjective Optimization in Optical Networks. , 2015, , 205-244.		2
44	A multiobjective approach to linear nearest neighbor optimization for 2D quantum circuits. , 2016, , .		2
45	A Genetic Algorithm for Dynamic Cloud Application Brokerage. , 2016, , .		2
46	Machine Learning Opportunities In Cloud Computing Data Center Management for 5G Services. , 2018, , .		2
47	Global Convexity in the Bi-Criteria Traveling Salesman Problem. International Federation for Information Processing, 2006, , 217-226.	0.4	2
48	Optimal wavelength converter allocation. , 2009, , .		1
49	A multi-objective approach for routing and wavelength converter allocation under uncertainty. , 2013, , .		1
50	Network virtualization in optical networks with traffic grooming. , 2015, , .		1
51	Protection with quality of service in optical WDM networks using many-objective ant colony optimization. , 2015, , .		1
52	Estimating electrical energy consumption using Linear Genetic Programming. , 2015, , .		1
53	Dimensionality Reduction in Many-objective Problems Combining PCA and Spectral Clustering. , 2015, , .		1
54	Resource Allocation for Cloud Infrastructures: Taxonomies and Research Challenges. , 2017, , 263-289.		1

#	ARTICLE	IF	CITATIONS
55	Multi-objective maximum diversity problem. , 2017, , .		1
56	Comparison of two types of Quantum Oracles based on Grover's Adaptive Search Algorithm for Multiobjective Optimization Problems. , 2017, , .		1
57	A Quantum Adiabatic Algorithm for Multiobjective Combinatorial Optimization. Axioms, 2019, 8, 32.	0.9	1
58	Multiobjective Optimization Grover Adaptive Search. Studies in Computational Intelligence, 2019, , 191-211.	0.7	1
59	A Novel Performance Metric for Virtual Network Embedding Combining Aspects of Blocking Probability and Embedding Cost. Communications in Computer and Information Science, 2018, , 209-218.	0.4	1
60	A global convexity analysis on the MAX-SAT domain. , 2007, , .		0
61	Parallel-in-time Parareal implementation using PETSc. , 2014, , .		0
62	Implementation of a distributed parallel in time scheme using PETSc for a Parabolic Optimal Control Problem. , 0, , .		0
63	Multi-objective optimization of monitoring well location for CO ₂ leakage detection. , 2016, , .		0
64	Shape-based visual analysis of solutions for multiobjective optimization problems. , 2017, , .		0
65	Drug cocktail selection for the treatment of chagas disease: A multi-objective approach. , 2017, , .		0
66	Multi-objective optimization of a steady-state rotary dryer. CLEI Electronic Journal, 2021, 24, .	0.2	0
67	A Parallel Multi-Criterion Evolutionary Approach for Pension Fund Asset Liability Management. , 0, , .		0