

# Benjamin Baran

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50  
papers

652  
citations

12  
h-index

24  
g-index

69  
ext. papers

805  
ext. citations

1.7  
avg, IF

4.52  
L-index

#	Paper	IF	Citations
50	Optimal Placement of Remote Controlled Switches in Electric Power Distribution Systems with a Meta-heuristic Approach. <i>IEEE Latin America Transactions</i> , <b>2022</b> , 20, 590-598	0.7	1
49	Distribution System Operation and Expansion Planning using Network Reconfiguration. <i>IEEE Latin America Transactions</i> , <b>2020</b> , 18, 845-852	0.7	4
48	Spectrum defragmentation algorithms in elastic optical networks. <i>Optical Switching and Networking</i> , <b>2019</b> , 34, 10-22	1.6	10
47	A Quantum Adiabatic Algorithm for Multiobjective Combinatorial Optimization. <i>Axioms</i> , <b>2019</b> , 8, 32	1.6	1
46	An overview on evolutionary algorithms for many-objective optimization problems. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , <b>2019</b> , 9, e1267	6.9	5
45	Multiobjective Optimization Grover Adaptive Search. <i>Studies in Computational Intelligence</i> , <b>2019</b> , 191-211	0.8	1
44	A Survey on Algorithmic Aspects of Virtual Optical Network Embedding for Cloud Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 20893-20906	3.5	20
43	Virtual machine placement for elastic infrastructures in overbooked cloud computing datacenters under uncertainty. <i>Future Generation Computer Systems</i> , <b>2018</b> , 79, 830-848	7.5	14
42	A Novel Performance Metric for Virtual Network Embedding Combining Aspects of Blocking Probability and Embedding Cost. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 209-218	0.3	1
41	A Serial Optimization and Link-oriented Based Routing Approach for RMLSA in Elastic Optical Networks <b>2018</b> ,		1
40	Many-Objective Virtual Machine Placement. <i>Journal of Grid Computing</i> , <b>2017</b> , 15, 161-176	4.2	30
39	Cloud computing resource allocation taxonomies. <i>International Journal of Cloud Computing</i> , <b>2017</b> , 6, 2381		0
38	Linear nearest neighbor optimization in quantum circuits: a multiobjective perspective. <i>Quantum Information Processing</i> , <b>2017</b> , 16, 1	1.6	12
37	Many-Objective Optimization for Virtual Machine Placement in Cloud Computing <b>2017</b> , 291-326		4
36	Resource Allocation for Cloud Infrastructures: Taxonomies and Research Challenges <b>2017</b> , 263-289		
35	A multi-objective two-echelon vehicle routing problem. An urban goods movement approach for smart city logistics <b>2017</b> ,		7
34	Two-phase virtual machine placement algorithms for cloud computing: An experimental evaluation under uncertainty <b>2017</b> ,		4

33	An Experimental Comparison of Algorithms for Virtual Machine Placement Considering Many Objectives <b>2016,</b>		6
32	<b>2016,</b>		6
31	A Genetic Algorithm for Dynamic Cloud Application Brokerage <b>2016,</b>		2
30	A Comparative Evaluation of Algorithms for Auction-Based Cloud Pricing Prediction <b>2016,</b>		9
29	A multiobjective approach to linear nearest neighbor optimization for 2D quantum circuits <b>2016,</b>		2
28	Multiobjective Optimization in a Quantum Adiabatic Computer. <i>Electronic Notes in Theoretical Computer Science, 2016, 329, 27-38</i>	0.7	3
27	Workload generation for virtual machine placement in cloud computing environments <b>2016,</b>		3
26	Multiobjective Optimization in Optical Networks <b>2015, 205-244</b>		1
25	Clustering Based Parallel Many-Objective Evolutionary Algorithms Using the Shape of the Objective Vectors. <i>Lecture Notes in Computer Science, 2015, 50-64</i>	0.9	2
24	A Virtual Machine Placement Taxonomy <b>2015,</b>		47
23	Dimensionality Reduction in Many-objective Problems Combining PCA and Spectral Clustering <b>2015</b>		1
22	Performance metrics in multi-objective optimization <b>2015,</b>		131
21	Protection with quality of service in optical WDM networks using many-objective ant colony optimization <b>2015,</b>		1
20	Auction-based resource provisioning in cloud computing. A taxonomy <b>2015,</b>		1
19	Multi-objective routing and wavelength converter allocation under uncertain traffic. <i>Optical Switching and Networking, 2015, 16, 1-20</i>	1.6	3
18	Many-objective virtual machine placement for dynamic environments <b>2015,</b>		10
17	A survey on multi-objective evolutionary algorithms for many-objective problems. <i>Computational Optimization and Applications, 2014, 58, 707</i>	1.4	146
16	Virtual machine placement. A multi-objective approach <b>2013,</b>		6

15	Multi-objective Virtual Machine Placement with Service Level Agreement: A Memetic Algorithm Approach <b>2013</b> ,		38
14	Multiobjective Harmony Search Algorithm Proposals. <i>Electronic Notes in Theoretical Computer Science</i> , <b>2011</b> , 281, 51-67	0.7	38
13	Routing and wavelength converter allocation in WDM networks: a multi-objective evolutionary optimization approach. <i>Photonic Network Communications</i> , <b>2011</b> , 22, 23-45	1.7	7
12	Optimal wavelength converter allocation <b>2009</b> ,		1
11	<b>2009</b> ,		1
10	Team Algorithms Based on Ant Colony Optimization [A New Multi-Objective Optimization Approach. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 773-783	0.9	2
9	Routing and wavelength assignment over WDM optical networks <b>2007</b> ,		12
8	Asynchronous team algorithms for Boolean Satisfiability <b>2007</b> ,		1
7	Multitree-Multiobjective Multicast Routing for Traffic Engineering. <i>International Federation for Information Processing</i> , <b>2006</b> , 247-256		5
6	Global Convexity in the Bi-Criteria Traveling Salesman Problem. <i>International Federation for Information Processing</i> , <b>2006</b> , 217-226		0
5	Multiobjective Multicast Routing with Ant Colony Optimization <b>2006</b> , 101-115		2
4	Hashing based traffic partitioning in a multicast-multipath MPLS network model <b>2005</b> ,		4
3	Multi-objective optimization scheme for multicast flows <b>2005</b> ,		13
2	Solving multiobjective multicast routing problem with a new ant colony optimization approach <b>2005</b> ,		28
1	Improved AntNet routing <b>2001</b> ,		2