Benjamin Baran

List of Publications by Citations

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	A survey on multi-objective evolutionary algorithms for many-objective problems. *Computational Optimization and Applications*, **2014**, 58, 707	1.4	146
49	Performance metrics in multi-objective optimization **2015**,		131
48	A Virtual Machine Placement Taxonomy **2015**,		47
47	Multi-objective Virtual Machine Placement with Service Level Agreement: A Memetic Algorithm Approach **2013**,		38
46	Multiobjective Harmony Search Algorithm Proposals. *Electronic Notes in Theoretical Computer Science*, **2011**, 281, 51-67	0.7	38
45	Many-Objective Virtual Machine Placement. *Journal of Grid Computing*, **2017**, 15, 161-176	4.2	30
44	Solving multiobjective multicast routing problem with a new ant colony optimization approach **2005**,		28
43	A Survey on Algorithmic Aspects of Virtual Optical Network Embedding for Cloud Networks. *IEEE Access*, **2018**, 6, 20893-20906	3.5	20
42	Virtual machine placement for elastic infrastructures in overbooked cloud computing datacenters under uncertainty. *Future Generation Computer Systems*, **2018**, 79, 830-848	7.5	14
41	Multi-objective optimization scheme for multicast flows **2005**,		13
40	Linear nearest neighbor optimization in quantum circuits: a multiobjective perspective. *Quantum Information Processing*, **2017**, 16, 1	1.6	12
39	Routing and wavelength assignment over WDM optical networks **2007**,		12
38	Spectrum defragmentation algorithms in elastic optical networks. *Optical Switching and Networking* , **2019**, 34, 10-22	1.6	10
37	Many-objective virtual machine placement for dynamic environments **2015**,		10
36	A Comparative Evaluation of Algorithms for Auction-Based Cloud Pricing Prediction **2016**,		9
35	A multi-objective two-echelon vehicle routing problem. An urban goods movement approach for smart city logistics **2017**,		7
34	Routing and wavelength converter allocation in WDM networks: a multi-objective evolutionary optimization approach. *Photonic Network Communications*, **2011**, 22, 23-45	1.7	7

33	An Experimental Comparison of Algorithms for Virtual Machine Placement Considering Many Objectives **2016**,		6
32	**2016**,		6
31	Virtual machine placement. A multi-objective approach **2013**,		6
30	An overview on evolutionary algorithms for many-objective optimization problems. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2019**, 9, e1267	6.9	5
29	Multitree-Multiobjective Multicast Routing for Traffic Engineering. *International Federation for Information Processing*, **2006**, 247-256		5
28	Many-Objective Optimization for Virtual Machine Placement in Cloud Computing **2017**, 291-326		4
27	Two-phase virtual machine placement algorithms for cloud computing: An experimental evaluation under uncertainty **2017**,		4
26	Hashing based traffic partitioning in a multicast-multipath MPLS network model **2005**,		4
25	Distribution System Operation and Expansion Planning using Network Reconfiguration. *IEEE Latin America Transactions*, **2020**, 18, 845-852	0.7	4
24	Multi-objective routing and wavelength converter allocation under uncertain traffic. *Optical Switching and Networking*, **2015**, 16, 1-20	1.6	3
23	Multiobjective Optimization in a Quantum Adiabatic Computer. *Electronic Notes in Theoretical Computer Science*, **2016**, 329, 27-38	0.7	3
22	Workload generation for virtual machine placement in cloud computing environments **2016**,		3
21	Clustering Based Parallel Many-Objective Evolutionary Algorithms Using the Shape of the Objective Vectors. *Lecture Notes in Computer Science*, **2015**, 50-64	0.9	2
20	A Genetic Algorithm for Dynamic Cloud Application Brokerage **2016**,		2
19	Improved AntNet routing **2001**,		2
18	Team Algorithms Based on Ant Colony Optimization A New Multi-Objective Optimization Approach. *Lecture Notes in Computer Science*, **2008**, 773-783	0.9	2
17	A multiobjective approach to linear nearest neighbor optimization for 2D quantum circuits **2016**,		2
16	Multiobjective Multicast Routing with Ant Colony Optimization **2006**, 101-115		2

15	A Quantum Adiabatic Algorithm for Multiobjective Combinatorial Optimization. *Axioms*, **2019**, 8, 32	1.6	1
14	Multiobjective Optimization in Optical Networks **2015**, 205-244		1
13	Dimensionality Reduction in Many-objective Problems Combining PCA and Spectral Clustering **2015** ,		1
12	Protection with quality of service in optical WDM networks using many-objective ant colony optimization **2015**,		1
11	Auction-based resource provisioning in cloud computing. A taxonomy **2015**,		1
10	Optimal wavelength converter allocation **2009**,		1
9	**2009**,		1
8	Asynchronous team algorithms for Boolean Satisfiability **2007**,		1
7	Optimal Placement of Remote Controlled Switches in Electric Power Distribution Systems with a Meta-heuristic Approach. *IEEE Latin America Transactions*, **2022**, 20, 590-598	0.7	1
6	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	0.3	1
5	Multiobjective Optimization Grover Adaptive Search. *Studies in Computational Intelligence*, **2019**, 191-211	0.8	1
4	A Serial Optimization and Link-oriented Based Routing Approach for RMLSA in Elastic Optical Networks **2018**,		1
3	Cloud computing resource allocation taxonomies. *International Journal of Cloud Computing*, **2017**, 6, 238	1	0
2	Global Convexity in the Bi-Criteria Traveling Salesman Problem. *International Federation for Information Processing*, **2006**, 217-226		0
1	Resource Allocation for Cloud Infrastructures: Taxonomies and Research Challenges **2017**, 263-289		