Jakob Bossek

List of Publications by Year
in descending order

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31 papers	357 citations	1307594 7 h-index	1058476 14 g-index
33 all docs	33 docs citations	33 times ranked	170 citing authors

#	Article	IF	Citations
1	A novel feature-based approach to characterize algorithm performance for the traveling salesperson problem. Annals of Mathematics and Artificial Intelligence, 2013, 69, 151-182.	1.3	68
2	Leveraging TSP Solver Complementarity through Machine Learning. Evolutionary Computation, 2018, 26, 597-620.	3.0	53
3	smoof: Single- and Multi-Objective Optimization Test Functions. R Journal, 2017, 9, 103.	1.8	32
4	ecr 2.0. , 2017, , .		20
5	Evolving diverse TSP instances by means of novel and creative mutation operators. , 2019, , .		20
6	Local Search and the Traveling Salesman Problem: A Feature-Based Characterization of Problem Hardness. Lecture Notes in Computer Science, 2012, , 115-129.	1.3	19
7	Evolving diverse sets of tours for the travelling salesperson problem. , 2020, , .		19
8	OpenML: An R package to connect to the machine learning platform OpenML. Computational Statistics, 2019, 34, 977-991.	1.5	16
9	Evaluation of a Multi-Objective EA on Benchmark Instances for Dynamic Routing of a Vehicle. , 2015, , .		12
10	Parameterization of state-of-the-art performance indicators. , 2018, , .		11
11	Deep Learning as a Competitive Feature-Free Approach for Automated Algorithm Selection on the Traveling Salesperson Problem. Lecture Notes in Computer Science, 2020, , 48-64.	1.3	10
12	Runtime analysis of randomized search heuristics for dynamic graph coloring. , 2019, , .		9
13	Understanding Characteristics of Evolved Instances for State-of-the-Art Inexact TSP Solvers with Maximum Performance Difference. Lecture Notes in Computer Science, 2016, , 3-12.	1.3	8
14	A multi-objective perspective on performance assessment and automated selection of single-objective optimization algorithms. Applied Soft Computing Journal, 2020, 88, 105901.	7.2	7
15	Evolving Instances for Maximizing Performance Differences of State-of-the-Art Inexact TSP Solvers. Lecture Notes in Computer Science, 2016, , 48-59.	1.3	7
16	A pareto-beneficial sub-tree mutation for the multi-criteria minimum spanning tree problem. , 2017, , .		6
17	Local search effects in bi-objective orienteering. , 2018, , .		5
18	The node weight dependent traveling salesperson problem. , 2020, , .		4

#	Article	IF	Citations
19	Learning Feature-Parameter Mappings for Parameter Tuning via the Profile Expected Improvement. , 2015, , .		3
20	Performance assessment of multi-objective evolutionary algorithms with the R package ecr. , 2018, , .		3
21	On the benefits of biased edge-exchange mutation for the multi-criteria spanning tree problem. , 2019, , .		3
22	Multi-objective Performance Measurement: Alternatives to PAR10 and Expected Running Time. Lecture Notes in Computer Science, 2019, , 215-219.	1.3	3
23	mcMST: A Toolbox for the Multi-Criteria Minimum Spanning Tree Problem. Journal of Open Source Software, 2017, 2, .	4.6	3
24	grapherator: A Modular Multi-Step Graph Generator. Journal of Open Source Software, 2018, 3, 528.	4.6	3
25	Runtime analysis of evolutionary algorithms with biased mutation for the multi-objective minimum spanning tree problem. , 2020, , .		3
26	An extended mutation-based priority-rule integration concept for multi-objective machine scheduling. , 2017, , .		2
27	Bi-objective Orienteering: Towards a Dynamic Multi-objective Evolutionary Algorithm. Lecture Notes in Computer Science, 2019, , 516-528.	1.3	2
28	Time Complexity Analysis of Randomized Search Heuristics for the Dynamic Graph Coloring Problem. Algorithmica, 2021, 83, 3148-3179.	1.3	2
29	On the potential of normalized TSP features for automated algorithm selection. , 2021, , .		2
30	Generating instances with performance differences for more than just two algorithms. , 2021, , .		1
31	Dynamic bi-objective routing of multiple vehicles. , 2020, , .		1