Dimo Brockhoff

List of Publications by Year
in descending order

29 papers	1,322 citations	1162889 8 h-index	1474057 9 g-index
29 all docs	29 docs citations	29 times ranked	939 citing authors

#	Article	IF	Citations
1	COCO: a platform for comparing continuous optimizers in a black-box setting. Optimization Methods and Software, 2021, 36, 114-144.	1.6	161
2	DMS and MultiGLODS. , 2021, , .		1
3	Tutorial on evolutionary multiobjective optimization. , 2019, , .		0
4	Mixed-integer benchmark problems for single- and bi-objective optimization. , 2019, , .		25
5	A Comparative Study of Large-Scale Variants of CMA-ES. Lecture Notes in Computer Science, 2018, , 3-15.	1.0	33
6	GECCO 2018 tutorial on evolutionary multiobjective optimization. , 2018, , .		1
7	Stopping criteria, initialization, and implementations of BFGS and their effect on the BBOB test suite. , 2018, , .		4
8	GECCO 2017 tutorial on evolutionary multiobjective optimization. , 2017, , .		1
9	The Impact of Variation Operators on the Performance of SMS-EMOA on the Bi-objective BBOB-2016 Test Suite. , 2016, , .		6
10	Benchmarking RM-MEDA on the Bi-objective BBOB-2016 Test Suite. , 2016, , .		2
11	GECCO 2016 Tutorial on Evolutionary Multiobjective Optimization. , 2016, , .		2
12	Benchmarking MATLAB's gamultiobj (NSGA-II) on the Bi-objective BBOB-2016 Test Suite. , 2016, , .		4
13	Tutorial on Evolutionary Multiobjective Optimization. , 2015, , .		2
14	Benchmarking Numerical Multiobjective Optimizers Revisited. , 2015, , .		32
15	2 Indicator-Based Multiobjective Search. Evolutionary Computation, 2015, 23, 369-395.	2.3	70
16	GECCO 2014 tutorial on evolutionary multiobjective optimization. , 2014, , .		0
17	GECCO 2013 tutorial on evolutionary multiobjective optimization. , 2013, , .		0
18	Multiobjectivization with NSGA-ii on the noiseless BBOB testbed. , 2013, , .		9

#	Article	IF	Citations
19	Benchmarking the local metamodel CMA-ES on the noiseless BBOB'2013 test bed. , 2013, , .		18
20	Preference Articulation by Means of the R2 Indicator. Lecture Notes in Computer Science, 2013, , 81-95.	1.0	19
21	R2-EMOA: Focused Multiobjective Search Using R2-Indicator-Based Selection. Lecture Notes in Computer Science, 2013, , 70-74.	1.0	60
22	On the properties of the R2 indicator. , 2012, , .		130
23	Hypervolume-based multiobjective optimization: Theoretical foundations and practical implications. Theoretical Computer Science, 2012, 425, 75-103.	0.5	141
24	Automated Aggregation and Omission of Objectives for Tackling Many-Objective Problems. Lecture Notes in Economics and Mathematical Systems, 2010, , 81-102.	0.3	6
25	Theory of the hypervolume indicator. , 2009, , .		249
26	Investigating and exploiting the bias of the weighted hypervolume to articulate user preferences. , 2009, , .		24
27	On the Effects of Adding Objectives to Plateau Functions. IEEE Transactions on Evolutionary Computation, 2009, 13, 591-603.	7.5	69
28	Objective Reduction in Evolutionary Multiobjective Optimization: Theory and Applications. Evolutionary Computation, 2009, 17, 135-166.	2.3	175
29	Improving hypervolume-based multiobjective evolutionary algorithms by using objective reduction methods. , 2007, , .		78