

Dimo Brockhoff

List of Publications by Year in descending order

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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	Theory of the hypervolume indicator. , 2009, , .		249
2	Objective Reduction in Evolutionary Multiobjective Optimization: Theory and Applications. Evolutionary Computation, 2009, 17, 135-166.	2.3	175
3	COCO: a platform for comparing continuous optimizers in a black-box setting. Optimization Methods and Software, 2021, 36, 114-144.	1.6	161
4	Hypervolume-based multiobjective optimization: Theoretical foundations and practical implications. Theoretical Computer Science, 2012, 425, 75-103.	0.5	141
5	On the properties of the R2 indicator. , 2012, , .		130
6	Improving hypervolume-based multiobjective evolutionary algorithms by using objective reduction methods. , 2007, , .		78
7	2 Indicator-Based Multiobjective Search. Evolutionary Computation, 2015, 23, 369-395.	2.3	70
8	On the Effects of Adding Objectives to Plateau Functions. IEEE Transactions on Evolutionary Computation, 2009, 13, 591-603.	7.5	69
9	R2-EMOA: Focused Multiobjective Search Using R2-Indicator-Based Selection. Lecture Notes in Computer Science, 2013, , 70-74.	1.0	60
10	A Comparative Study of Large-Scale Variants of CMA-ES. Lecture Notes in Computer Science, 2018, , 3-15.	1.0	33
11	Benchmarking Numerical Multiobjective Optimizers Revisited. , 2015, , .		32
12	Mixed-integer benchmark problems for single- and bi-objective optimization. , 2019, , .		25
13	Investigating and exploiting the bias of the weighted hypervolume to articulate user preferences. , 2009, , .		24
14	Preference Articulation by Means of the R2 Indicator. Lecture Notes in Computer Science, 2013, , 81-95.	1.0	19
15	Benchmarking the local metamodel CMA-ES on the noiseless BBOB'2013 test bed. , 2013, , .		18
16	Multiobjectivization with NSGA-ii on the noiseless BBOB testbed. , 2013, , .		9
17	The Impact of Variation Operators on the Performance of SMS-EMOA on the Bi-objective BBOB-2016 Test Suite. , 2016, , .		6
18	Automated Aggregation and Omission of Objectives for Tackling Many-Objective Problems. Lecture Notes in Economics and Mathematical Systems, 2010, , 81-102.	0.3	6

#	ARTICLE	IF	CITATIONS
19	Benchmarking MATLAB's gamultiobj (NSGA-II) on the Bi-objective BBOB-2016 Test Suite. , 2016, , .		4
20	Stopping criteria, initialization, and implementations of BFCS and their effect on the BBOB test suite. , 2018, , .		4
21	Tutorial on Evolutionary Multiobjective Optimization. , 2015, , .		2
22	Benchmarking RM-MEDA on the Bi-objective BBOB-2016 Test Suite. , 2016, , .		2
23	GECCO 2016 Tutorial on Evolutionary Multiobjective Optimization. , 2016, , .		2
24	GECCO 2017 tutorial on evolutionary multiobjective optimization. , 2017, , .		1
25	GECCO 2018 tutorial on evolutionary multiobjective optimization. , 2018, , .		1
26	DMS and MultiGLODS. , 2021, , .		1
27	GECCO 2013 tutorial on evolutionary multiobjective optimization. , 2013, , .		0
28	GECCO 2014 tutorial on evolutionary multiobjective optimization. , 2014, , .		0
29	Tutorial on evolutionary multiobjective optimization. , 2019, , .		0