Tea Tušar

List of Publications by Year
in descending order

30 papers	633 citations	1039406 9 h-index	996533 15 g-index
30 all docs	30 docs citations	30 times ranked	490 citing authors

#	Article	IF	Citations
1	Visualization of Pareto Front Approximations in Evolutionary Multiobjective Optimization: A Critical Review and the Prosection Method. IEEE Transactions on Evolutionary Computation, 2015, 19, 225-245.	7.5	177
2	COCO: a platform for comparing continuous optimizers in a black-box setting. Optimization Methods and Software, 2021, 36, 114-144.	1.6	161
3	GP-DEMO: Differential Evolution for Multiobjective Optimization based on Gaussian Process models. European Journal of Operational Research, 2015, 243, 347-361.	3.5	56
4	A comparative study of stochastic optimization methods in electric motor design. Applied Intelligence, 2007, 27, 101-111.	3.3	43
5	Mixed-integer benchmark problems for single- and bi-objective optimization. , 2019, , .		25
6	A taxonomy of methods for visualizing pareto front approximations. , 2018, , .		20
7	A study of overfitting in optimization of a manufacturing quality control procedure. Applied Soft Computing Journal, 2017, 59, 77-87.	4.1	16
8	Using Well-Understood Single-Objective Functions in Multiobjective Black-Box Optimization Test Suites. Evolutionary Computation, 2021, , 1-29.	2.3	15
9	Benchmarking large-scale continuous optimizers: The bbob-largescale testbed, a COCO software guide and beyond. Applied Soft Computing Journal, 2020, 97, 106737.	4.1	14
10	Single- and multi-objective game-benchmark for evolutionary algorithms. , 2019, , .		12
11	Comparing Solutions under Uncertainty in Multiobjective Optimization. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	11
12	An analysis of dimensionality reduction techniques for visualizing evolution. , 2019, , .		11
13	Visualizing Exact and Approximated 3D Empirical Attainment Functions. Mathematical Problems in Engineering, 2014, 2014, 1-18.	0.6	10
14	Comparing a multiobjective optimization algorithm for discovering driving strategies with humans. Expert Systems With Applications, 2013, 40, 2687-2695.	4.4	9
15	Discovering driving strategies with a multiobjective optimization algorithm. Applied Soft Computing Journal, 2014, 16, 50-62.	4.1	9
16	Unveiling evolutionary algorithm representation with DU maps. Genetic Programming and Evolvable Machines, 2018, 19, 351-389.	1.5	9
17	Quantitative Performance Assessment of Multiobjective Optimizers: The Average Runtime Attainment Function. Lecture Notes in Computer Science, 2017, , 103-119.	1.0	9
18	The Impact of Variation Operators on the Performance of SMS-EMOA on the Bi-objective BBOB-2016 Test Suite. , 2016, , .		6

#	Article	IF	Citations
19	Benchmarking MATLAB's gamultiobj (NSGA-II) on the Bi-objective BBOB-2016 Test Suite. , 2016, , .		4
20	Visualization in multiobjective optimization. , 2018, , .		3
21	Benchmarking RM-MEDA on the Bi-objective BBOB-2016 Test Suite. , 2016, , .		2
22	Performance of the DEMO Algorithm on the Bi-objective BBOB Test Suite. , 2016, , .		2
23	Visualization in Multiobjective Optimization. , 2016, , .		2
24	The DU map. , 2017, , .		2
25	Visualization in multiobjective optimization. , 2020, , .		2
26	Improving user verification by implementing an agent-based security system. Journal of Ambient Intelligence and Smart Environments, 2010, 2, 21-30.	0.8	1
27	Optimization and Visualization in Many-Objective Space Trajectory Design. Studies in Computational Intelligence, 2020, , 93-112.	0.7	1
28	Visualization in multiobjective optimization. , 2019, , .		1
29	A probabilistic risk analysis for multimodal entry control. Expert Systems With Applications, 2011, 38, 6696-6704.	4.4	0
30	ACM-W scholarships. ACM SIGEVOlution, 2017, 9, 8-9.	0.3	0