

# Thomas Weise

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

468  
citations

933447

10  
h-index

888059

17  
g-index

29  
all docs

29  
docs citations

29  
times ranked

445  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary Optimization: Pitfalls and Booby Traps. Journal of Computer Science and Technology, 2012, 27, 907-936.	1.5	104
2	Energy-Efficient Load Balancing Ant Based Routing Algorithm for Wireless Sensor Networks. IEEE Access, 2019, 7, 113182-113196.	4.2	84
3	Benchmarking Optimization Algorithms: An Open Source Framework for the Traveling Salesman Problem. IEEE Computational Intelligence Magazine, 2014, 9, 40-52.	3.2	62
4	Evolving Distributed Algorithms With Genetic Programming. IEEE Transactions on Evolutionary Computation, 2012, 16, 242-265.	10.0	34
5	Global versus local search: the impact of population sizes on evolutionary algorithm performance. Journal of Global Optimization, 2016, 66, 511-534.	1.8	22
6	Convolutional Neural Network Based Weakly Supervised Learning for Aircraft Detection From Remote Sensing Image. IEEE Access, 2020, 8, 158097-158106.	4.2	21
7	Difficult features of combinatorial optimization problems and the tunable $w$ -model benchmark problem for simulating them. , 2018, , .		19
8	A tunable model for multi-objective, epistatic, rugged, and neutral fitness landscapes. , 2008, , .		15
9	Frequency Fitness Assignment. IEEE Transactions on Evolutionary Computation, 2014, 18, 226-243.	10.0	15
10	Automatically discovering clusters of algorithm and problem instance behaviors as well as their causes from experimental data, algorithm setups, and instance features. Applied Soft Computing Journal, 2018, 73, 366-382.	7.2	13
11	Selecting a diverse set of benchmark instances from a tunable model problem for black-box discrete optimization algorithms. Applied Soft Computing Journal, 2020, 92, 106269.	7.2	11
12	Image Retrieval Using a Deep Attention-Based Hash. IEEE Access, 2020, 8, 142229-142242.	4.2	10
13	Hierarchical fusion and divergent activation based weakly supervised learning for object detection from remote sensing images. Information Fusion, 2022, 80, 23-43.	19.1	10
14	Hierarchical object detection for very high-resolution satellite images. Applied Soft Computing Journal, 2021, 113, 107885.	7.2	8
15	Virtual Network Function Placement for Service Function Chaining with Minimum Energy Consumption. , 2018, , .		7
16	An Improved Retrieval Method for Multi-Transaction Mode Consortium Blockchain. Electronics (Switzerland), 2020, 9, 296.	3.1	6
17	Evolving exact integer algorithms with Genetic Programming. , 2014, , .		5
18	Effectiveness evaluation of the coupled LIDs from the watershed scale based on remote sensing image processing and SWMM simulation. European Journal of Remote Sensing, 2021, 54, 77-91.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Optimization algorithm behavior modeling: A study on the traveling salesman problem. , 2018, , .		3
20	Frequency Fitness Assignment: Making Optimization Algorithms Invariant Under Bijective Transformations of the Objective Function Value. IEEE Transactions on Evolutionary Computation, 2021, 25, 307-319.	10.0	3
21	Solving job shop scheduling problems without using a bias for good solutions. , 2021, , .		3
22	A novel approach to subgraph selection with multiple weights on arcs. Journal of Combinatorial Optimization, 2022, 44, 242-268.	1.3	3
23	Common due-window problem: Polynomial algorithms for a given processing sequence. , 2014, , .		1
24	GPGPU-Based Parallel Algorithms for Scheduling Against Due Date. , 2016, , .		1
25	From standardized data formats to standardized tools for optimization algorithm benchmarking. , 2017, , .		1
26	Implementation issues in optimization algorithms: do they matter?. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 533-554.	2.8	1
27	A New Approach to Newton-Type Polynomial Interpolation with Parameters. Mathematical Problems in Engineering, 2020, 2020, 1-15.	1.1	1
28	Fitness level based adaptive operator selection for cutting stock problems with contiguity. , 2014, , .		0