AleÅ¡ Zamuda

List of Publications by Year
in descending order

54 papers	1,357 citations	686830 13 h-index	676716 22 g-index
55 all docs	55 docs citations	55 times ranked	997 citing authors

#	Article	IF	Citations
1	DISH-XX Solving CEC2020 Single Objective Bound Constrained Numerical optimization Benchmark. , 2020, , .		4
2	Optimizing Data-Driven Models for Summarization as Parallel Tasks. Journal of Computational Science, 2020, 42, 101101.	1.5	4
3	Cooperative Model of Evolutionary Algorithms Applied to CEC 2019 Single Objective Numerical Optimization. , 2019, , .		8
4	Binary 100-digit challenge using IEEE-754 coded numerical optimization scenarios (100b-digit) and V-shape binary distance-based success history differential evolution (DISHv). , 2019, , .		0
5	DISH Algorithm Solving the CEC 2019 100-Digit Challenge. , 2019, , .		8
6	Hot off the press in expert systems on underwater robotic missions. , 2019, , .		0
7	Function evaluations upto 1e+12 and large population sizes assessed in distance-based success history differential evolution for 100-digit challenge and numerical optimization scenarios (DISHchain 1e+12). , 2019, , .		6
8	Forecasting Cryptocurrency Value by Sentiment Analysis: An HPC-Oriented Survey of the State-of-the-Art in the Cloud Era. Lecture Notes in Computer Science, 2019, , 325-349.	1.0	4
9	An Approach to Multi-Objective Path Planning Optimization for Underwater Gliders. Sensors, 2019, 19, 5506.	2.1	14
10	Distance based parameter adaptation for Success-History based Differential Evolution. Swarm and Evolutionary Computation, 2019, 50, 100462.	4.5	91
11	Success history applied to expert system for underwater glider path planning using differential evolution. Expert Systems With Applications, 2019, 119, 155-170.	4.4	53
12	Towards Human Cell Simulation. Lecture Notes in Computer Science, 2019, , 221-249.	1.0	6
13	On Cloud-Supported Web-Based Integrated Development Environment for Programming DataFlow Architectures. Computer Communications and Networks, 2019, , 41-51.	0.8	1
14	SOCO 2018 Foreword. , 2018, , .		0
15	On Tenfold Execution Time in Real World Optimization Problems with Differential Evolution in Perspective of Algorithm Design. , 2018, , .		7
16	Workshops at PPSN 2018. Lecture Notes in Computer Science, 2018, , 490-497.	1.0	0
17	A black-box discrete optimization benchmarking (BB-DOB) pipeline survey. , 2018, , .		5
18	Stability selection using a genetic algorithm and logistic linear regression on healthcare records. , 2017, , .		9

#	Article	IF	Citations
19	Adaptive constraint handling and Success History Differential Evolution for CEC 2017 Constrained Real-Parameter Optimization. , 2017, , .		22
20	Distance based parameter adaptation for differential evolution. , 2017, , .		14
21	Hybrid Societies: Challenges and Perspectives in the Design of Collective Behavior in Self-organizing Systems. Frontiers in Robotics and AI, 2016, 3, .	2.0	30
22	Steady success clusters in Differential Evolution. , 2016, , .		3
23	Improving constrained glider trajectories for ocean eddy border sampling within extended mission planning time. , 2016, , .		6
24	Tiled EvoLisa image evolution with blending triangle brushstrokes and gene compression DE. , 2016, , .		1
25	Constrained differential evolution optimization for underwater glider path planning in sub-mesoscale eddy sampling. Applied Soft Computing Journal, 2016, 42, 93-118.	4.1	66
26	Short-term combined economic and emission hydrothermal optimization by surrogate differential evolution. Applied Energy, 2015, 141, 42-56.	5.1	66
27	Adaptation in the Differential Evolution. Adaptation, Learning, and Optimization, 2015, , 53-68.	0.5	4
28	Self-adaptive control parameters$\times^3$ randomization frequency and propagations in differential evolution. Swarm and Evolutionary Computation, 2015, 25, 72-99.	4.5	106
29	Underwater Glider Path Planning and Population Size Reduction in Differential Evolution. Lecture Notes in Computer Science, 2015, , 853-860.	1.0	2
30	Differential evolution and underwater glider path planning applied to the short-term opportunistic sampling of dynamic mesoscale ocean structures. Applied Soft Computing Journal, 2014, 24, 95-108.	4.1	69
31	Vectorized procedural models for animated trees reconstruction using differential evolution. Information Sciences, 2014, 278, 1-21.	4.0	30
32	Some Improvements of the Self-Adaptive jDE Algorithm. , 2014, , .		14
33	Structured Population Size Reduction Differential Evolution with Multiple Mutation Strategies on CEC 2013 real parameter optimization. , 2013, , .		32
34	Real Parameter Single Objective Optimization using self-adaptive differential evolution algorithm with more strategies. , 2013, , .		23
35	Environmental framework to visualize emergent artificial forest ecosystems. Information Sciences, 2013, 220, 522-540.	4.0	14
36	Differential evolution and differential ant-stigmergy on dynamic optimisation problems. International Journal of Systems Science, 2013, 44, 663-679.	3.7	62

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37	Tree model reconstruction innovization using multi-objective differential evolution. , 2012, , .		5
38	Self-adaptive differential evolution algorithm with a small and varying population size. , 2012, , .		32
39	Population Reduction Differential Evolution with Multiple Mutation Strategies in Real World Industry Challenges. Lecture Notes in Computer Science, 2012, , 154-161.	1.0	48
40	Constrained real-parameter optimization using a Differential Evolution algorithm. , 2011, , .		2
41	Differential evolution for parameterized procedural woody plant models reconstruction. Applied Soft Computing Journal, 2011, 11, 4904-4912.	4.1	37
42	History mechanism supported differential evolution for chess evaluation function tuning. Soft Computing, 2010, 15, 667-683.	2.1	11
43	Large scale global optimization using self-adaptive differential evolution algorithm. , 2010, , .		38
44	Dynamic optimization using Self-Adaptive Differential Evolution. , 2009, , .		107
45	Differential Evolution with Self-adaptation and Local Search for Constrained Multiobjective Optimization. , 2009, , .		53
46	High-dimensional real-parameter optimization using Self-Adaptive Differential Evolution algorithm with population size reduction. , 2008, , .		84
47	Large Scale Global Optimization using Differential Evolution with self-adaptation and cooperative co-evolution. , 2008, , .		71
48	An Adaptive Differential Evolution Algorithm with Opposition-Based Mechanisms, Applied to the Tuning of a Chess Program. Studies in Computational Intelligence, 2008, , 287-298.	0.7	9
49	An Analysis of the Control Parameters' Adaptation in DE. Studies in Computational Intelligence, 2008, , 89-110.	0.7	16
50	Differential evolution for multiobjective optimization with self adaptation. , 2007, , .		54
51	Modelling, Simulation, and Visualization of Forest Ecosystems. , 2007, , .		5
52	Differential Evolution and Large-Scale Optimization Applications. , 0, , 1-131.		1
53	Parallel Differential Evolution. , 0, , 6173-6572.		0
54	Surrogate Differential Evolution. , 0, , 6572-7297.		0