AleÅ¡ Zamuda

List of Publications by Year
in descending order

54	1,357	686830	676716
papers	citations	13	22
		h-index	g-index

55	55	55	997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic optimization using Self-Adaptive Differential Evolution. , 2009, , .		107
2	Self-adaptive control parameters×³ randomization frequency and propagations in differential evolution. Swarm and Evolutionary Computation, 2015, 25, 72-99.	4.5	106
3	Distance based parameter adaptation for Success-History based Differential Evolution. Swarm and Evolutionary Computation, 2019, 50, 100462.	4.5	91
4	High-dimensional real-parameter optimization using Self-Adaptive Differential Evolution algorithm with population size reduction. , 2008, , .		84
5	Large Scale Global Optimization using Differential Evolution with self-adaptation and cooperative co-evolution. , 2008, , .		71
6	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
7	Short-term combined economic and emission hydrothermal optimization by surrogate differential evolution. Applied Energy, 2015, 141, 42-56.	5.1	66
8	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
9	Differential evolution and differential ant-stigmergy on dynamic optimisation problems. International Journal of Systems Science, 2013, 44, 663-679.	3.7	62
10	Differential evolution for multiobjective optimization with self adaptation. , 2007, , .		54
11	Differential Evolution with Self-adaptation and Local Search for Constrained Multiobjective Optimization. , 2009, , .		53
12	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
13	Population Reduction Differential Evolution with Multiple Mutation Strategies in Real World Industry Challenges. Lecture Notes in Computer Science, 2012, , 154-161.	1.0	48
14	Large scale global optimization using self-adaptive differential evolution algorithm. , 2010, , .		38
15	Differential evolution for parameterized procedural woody plant models reconstruction. Applied Soft Computing Journal, 2011, 11, 4904-4912.	4.1	37
16	Self-adaptive differential evolution algorithm with a small and varying population size. , 2012, , .		32
17	Structured Population Size Reduction Differential Evolution with Multiple Mutation Strategies on CEC 2013 real parameter optimization. , 2013, , .		32
18	Vectorized procedural models for animated trees reconstruction using differential evolution. Information Sciences, 2014, 278, 1-21.	4.0	30

#	Article	IF	Citations
19	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
20	Real Parameter Single Objective Optimization using self-adaptive differential evolution algorithm with more strategies. , 2013, , .		23
21	Adaptive constraint handling and Success History Differential Evolution for CEC 2017 Constrained Real-Parameter Optimization. , 2017, , .		22
22	An Analysis of the Control Parametersâ€™ Adaptation in DE. Studies in Computational Intelligence, 2008, , 89-110.	0.7	16
23	Environmental framework to visualize emergent artificial forest ecosystems. Information Sciences, 2013, 220, 522-540.	4.0	14
24	Some Improvements of the Self-Adaptive jDE Algorithm. , 2014, , .		14
25	Distance based parameter adaptation for differential evolution. , 2017, , .		14
26	An Approach to Multi-Objective Path Planning Optimization for Underwater Gliders. Sensors, 2019, 19, 5506.	2.1	14
27	History mechanism supported differential evolution for chess evaluation function tuning. Soft Computing, 2010, 15, 667-683.	2.1	11
28	Stability selection using a genetic algorithm and logistic linear regression on healthcare records. , 2017, , .		9
29	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
30	Cooperative Model of Evolutionary Algorithms Applied to CEC 2019 Single Objective Numerical Optimization. , 2019, , .		8
31	DISH Algorithm Solving the CEC 2019 100-Digit Challenge. , 2019, , .		8
32	On Tenfold Execution Time in Real World Optimization Problems with Differential Evolution in Perspective of Algorithm Design. , 2018, , .		7
33	Improving constrained glider trajectories for ocean eddy border sampling within extended mission planning time. , 2016, , .		6
34	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
35	Towards Human Cell Simulation. Lecture Notes in Computer Science, 2019, , 221-249.	1.0	6
36	Modelling, Simulation, and Visualization of Forest Ecosystems. , 2007, , .		5

#	Article	IF	Citations
37	Tree model reconstruction innovization using multi-objective differential evolution. , 2012, , .		5
38	A black-box discrete optimization benchmarking (BB-DOB) pipeline survey. , 2018, , .		5
39	Adaptation in the Differential Evolution. Adaptation, Learning, and Optimization, 2015, , 53-68.	0.5	4
40	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
41	DISH-XX Solving CEC2020 Single Objective Bound Constrained Numerical optimization Benchmark. , 2020, , .		4
42	Optimizing Data-Driven Models for Summarization as Parallel Tasks. Journal of Computational Science, 2020, 42, 101101.	1.5	4
43	Steady success clusters in Differential Evolution. , 2016, , .		3
44	Constrained real-parameter optimization using a Differential Evolution algorithm. , 2011, , .		2
45	Underwater Glider Path Planning and Population Size Reduction in Differential Evolution. Lecture Notes in Computer Science, 2015, , 853-860.	1.0	2
46	Tiled EvoLisa image evolution with blending triangle brushstrokes and gene compression DE. , 2016, , .		1
47	On Cloud-Supported Web-Based Integrated Development Environment for Programming DataFlow Architectures. Computer Communications and Networks, 2019, , 41-51.	0.8	1
48	Differential Evolution and Large-Scale Optimization Applications. , 0, , 1-131.		1
49	SOCO 2018 Foreword. , 2018, , .		0
50	Workshops at PPSN 2018. Lecture Notes in Computer Science, 2018, , 490-497.	1.0	0
51	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
52	Hot off the press in expert systems on underwater robotic missions. , 2019, , .		0
53	Parallel Differential Evolution. , 0, , 6173-6572.		0
54	Surrogate Differential Evolution. , 0, , 6572-7297.		0