

# Adam Viktorin

## List of Publications by Year in descending order

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68  
papers

303  
citations

1477746

6  
h-index

1125271

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g-index

69  
all docs

69  
docs citations

69  
times ranked

199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distance based parameter adaptation for Success-History based Differential Evolution. Swarm and Evolutionary Computation, 2019, 50, 100462.	4.5	91
2	Success-history based adaptive differential evolution algorithm with multi-chaotic framework for parent selection performance on CEC2014 benchmark set. , 2016, , .		33
3	Network Based Linear Population Size Reduction in SHADE. , 2016, , .		16
4	Distance based parameter adaptation for differential evolution. , 2017, , .		14
5	A Review of Real-World Applications of Particle Swarm Optimization Algorithm. Lecture Notes in Electrical Engineering, 2018, , 115-122.	0.3	12
6	On the influence of different randomization and complex network analysis for differential evolution. , 2016, , .		11
7	PSO with Partial Population Restart Based on Complex Network Analysis. Lecture Notes in Computer Science, 2017, , 183-192.	1.0	11
8	Study on the Time Development of Complex Network for Metaheuristic. Advances in Intelligent Systems and Computing, 2016, , 525-533.	0.5	7
9	On the Population Diversity for the Chaotic Differential Evolution. , 2018, , .		7
10	Multi-swarm Optimization Algorithm Based on Firefly and Particle Swarm Optimization Techniques. Lecture Notes in Computer Science, 2018, , 405-416.	1.0	6
11	Towards Human Cell Simulation. Lecture Notes in Computer Science, 2019, , 221-249.	1.0	6
12	Modified progressive random walk with chaotic PRNG. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 450-459.	0.7	5
13	Hybridization of Multi-chaotic Dynamics and Adaptive Control Parameter Adjusting jDE Strategy. Advances in Intelligent Systems and Computing, 2017, , 77-87.	0.5	5
14	Chaos Driven PSO with Attractive Search Space Border Points. , 2018, , .		4
15	Differential Evolution and Chaotic Series. , 2018, , .		4
16	How Unconventional Chaotic Pseudo-Random Generators Influence Population Diversity in Differential Evolution. Lecture Notes in Computer Science, 2018, , 524-535.	1.0	4
17	DISH-XX Solving CEC2020 Single Objective Bound Constrained Numerical optimization Benchmark. , 2020, , .		4
18	Comparing Border Strategies for Roaming Particles on Single and Multi-swarm PSO. Advances in Intelligent Systems and Computing, 2017, , 528-536.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Comparing Strategies for Search Space Boundaries Violation in PSO. Lecture Notes in Computer Science, 2017, , 655-664.	1.0	4
20	Multi-Chaotic Differential Evolution For Vehicle Routing Problem With Profits. , 2016, , .		4
21	Study On Swarm Dynamics Converted Into Complex Network. , 2016, , .		4
22	Towards Better Population Sizing for Differential Evolution Through Active Population Analysis with Complex Network. Advances in Intelligent Systems and Computing, 2018, , 225-235.	0.5	4
23	Steady success clusters in Differential Evolution. , 2016, , .		3
24	Population Diversity Analysis in Adaptive Differential Evolution Variants with Unconventional Randomization Schemes. Lecture Notes in Computer Science, 2019, , 506-518.	1.0	3
25	Comparing selected PSO modifications on CEC 15 benchmark set. , 2016, , .		2
26	L-SHADE Algorithm with Distance Based Parameter Adaptation. Lecture Notes in Electrical Engineering, 2018, , 69-80.	0.3	2
27	Comparing Boundary Control Methods for Firefly Algorithm. Lecture Notes in Computer Science, 2018, , 163-173.	1.0	2
28	On the Randomization of Indices Selection for Differential Evolution. Advances in Intelligent Systems and Computing, 2017, , 537-547.	0.5	2
29	Archive Analysis in SHADE. Lecture Notes in Computer Science, 2017, , 688-699.	1.0	2
30	PSO with Attractive Search Space Border Points. Lecture Notes in Computer Science, 2017, , 665-675.	1.0	2
31	Differential Evolution Driven Analytic Programming for Prediction. Lecture Notes in Computer Science, 2017, , 676-687.	1.0	2
32	Boundary Strategies For Firefly Algorithm Analysed Using CEC`17 Benchmark. , 2018, , .		2
33	On the common population diversity measures in metaheuristics and their limitations. , 2021, , .		2
34	On the Transforming of the Indices Selection Mechanism inside Differential Evolution into Complex Network. , 2016, , .		1
35	Creating Complex Networks Using Multi-swarm PSO. , 2016, , .		1
36	Study on the Development of Complex Network for Evolutionary and Swarm Based Algorithms. Lecture Notes in Computer Science, 2017, , 151-161.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Differential Evolution for Constrained Industrial Optimization. Lecture Notes in Electrical Engineering, 2018, , 123-132.	0.3	1
38	Population Diversity Analysis for the Chaotic Based Selection of Individuals in Differential Evolution. Lecture Notes in Computer Science, 2018, , 283-294.	1.0	1
39	Particle Swarm Optimization with Single Particle Repulsivity for Multi-modal Optimization. Lecture Notes in Computer Science, 2018, , 486-494.	1.0	1
40	Evolutionary Algorithms Applied to a Shielding Enclosure Design. Lecture Notes in Computer Science, 2019, , 445-455.	1.0	1
41	Orthogonal Learning Firefly Algorithm. Logic Journal of the IGPL, 2021, 29, 167-179.	1.3	1
42	Lozi Map Generated Initial Population in Analytical Programming. Advances in Intelligent Systems and Computing, 2016, , 297-306.	0.5	1
43	Multi-chaotic System Induced Success-History Based Adaptive Differential Evolution. Lecture Notes in Computer Science, 2016, , 517-527.	1.0	1
44	Multi-chaotic Approach for Particle Acceleration in PSO. Lecture Notes in Computer Science, 2016, , 75-86.	1.0	1
45	Hypersphere Universe Boundary Method Comparison on HCLPSO and PSO. Lecture Notes in Computer Science, 2017, , 173-182.	1.0	1
46	Extended Study on the Randomization and Sequencing for the Chaos Embedded Heuristic. Lecture Notes in Computer Science, 2016, , 493-504.	1.0	1
47	Chaos Enhanced Repulsive MC-PSO/DE Hybrid. Lecture Notes in Computer Science, 2016, , 465-475.	1.0	1
48	Hybridization of Analytic Programming and Differential Evolution for Time Series Prediction. Lecture Notes in Computer Science, 2017, , 686-698.	1.0	1
49	Detecting Potential Design Weaknesses in SHADE Through Network Feature Analysis. Lecture Notes in Computer Science, 2017, , 662-673.	1.0	1
50	Boundary Strategies for Self-organizing Migrating Algorithm Analyzed Using CEC™17 Benchmark. Communications in Computer and Information Science, 2020, , 58-69.	0.4	1
51	Insight into Adaptive Differential Evolution Variants with Unconventional Randomization Schemes. Communications in Computer and Information Science, 2020, , 177-188.	0.4	1
52	Is Chaotic Randomization Advantageous for Higher Dimensional Optimization Problems?. Lecture Notes in Computer Science, 2020, , 423-434.	1.0	1
53	Chaos based optimization: Implementations and possibilities. AIP Conference Proceedings, 2017, , .	0.3	0
54	SHADE Algorithm Dynamic Analyzed Through Complex Network. Lecture Notes in Computer Science, 2017, , 666-677.	1.0	0

#	ARTICLE	IF	CITATIONS
55	On the impact of cognitive factor in PSO – Testing on selected functions from CEC 15 benchmark. AIP Conference Proceedings, 2017, , .	0.3	0
56	Synthetic objective function to improve the performance of DE – Initial study. AIP Conference Proceedings, 2017, , .	0.3	0
57	Firefly Algorithm: Enhanced Version with Partial Population Restart Using Complex Network Analysis. Lecture Notes in Electrical Engineering, 2018, , 59-68.	0.3	0
58	Analysing knowledge transfer in SHADE via complex network. Logic Journal of the IGPL, 0, , .	1.3	0
59	On the Performance Significance of Boundary Strategies for Firefly Algorithm. , 2018, , .		0
60	How Distance Based Parameter Adaptation Affects Population Diversity. Lecture Notes in Computer Science, 2018, , 307-319.	1.0	0
61	A Lightweight SHADE-Based Algorithm for Global Optimization - liteSHADE. Lecture Notes in Electrical Engineering, 2020, , 197-206.	0.3	0
62	Scouting of Whiteflies in Tomato Greenhouse Environment Using Deep Learning. Smart Innovation, Systems and Technologies, 2022, , 323-335.	0.5	0
63	Hybridization of Chaotic Systems and Success-History Based Adaptive Differential Evolution. Lecture Notes in Computer Science, 2016, , 145-156.	1.0	0
64	Comparison of Swarm and Evolutionary Based Algorithms for the Stabilization of Chaotic Oscillations. Lecture Notes in Electrical Engineering, 2017, , 63-73.	0.3	0
65	The Influence of Archive Size to SHADE. Advances in Intelligent Systems and Computing, 2017, , 517-527.	0.5	0
66	On the Prolonged Exploration of Distance Based Parameter Adaptation in SHADE. Lecture Notes in Computer Science, 2018, , 561-571.	1.0	0
67	On the Applicability of Random and the Best Solution Driven Metaheuristics for Analytic Programming and Time Series Regression. Advances in Intelligent Systems and Computing, 2019, , 489-498.	0.5	0
68	Analyzing Control Parameters in DISH. Lecture Notes in Computer Science, 2019, , 519-529.	1.0	0