

Jaroslav Arabas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

313

citations

8

h-index

17

g-index

27

ext. papers

454

ext. citations

6.3

avg, IF

4.63

L-index

#	Paper	IF	Citations
26	Multiobjective Evolution of the Explainable Fuzzy Rough Neural Network with Gene Expression Programming. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	16
25	A New Step-Size Adaptation Rule for CMA-ES Based on the Population Midpoint Fitness 2021 ,		1
24	A Modification of the PBIL Algorithm Inspired by the CMA-ES Algorithm in Discrete Knapsack Problem. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9136	2.6	0
23	Toward a Matrix-Free Covariance Matrix Adaptation Evolution Strategy. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 84-98	15.6	12
22	Population Diversity of Nonelitist Evolutionary Algorithms in the Exploration Phase. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 1050-1062	15.6	4
21	Differential Evolution: A survey of theoretical analyses. <i>Swarm and Evolutionary Computation</i> , 2019 , 44, 546-558	9.8	132
20	The contour fitting property of differential mutation. <i>Swarm and Evolutionary Computation</i> , 2019 , 50, 100441	9.8	4
19	Bound constraints handling in Differential Evolution: An experimental study. <i>Swarm and Evolutionary Computation</i> , 2019 , 50, 100453	9.8	15
18	Comparison of mutation strategies in Differential Evolution [A probabilistic perspective]. <i>Swarm and Evolutionary Computation</i> , 2018 , 39, 53-69	9.8	44
17	Improving Evolutionary Algorithms in a Continuous Domain by Monitoring the Population Midpoint. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 807-812	15.6	15
16	A differential evolution strategy 2017 ,		7
15	Classification of Polish shale gas boreholes using measurement data 2016 ,		1
14	Quasi-Stability of Real Coded Finite Populations. <i>Lecture Notes in Computer Science</i> , 2014 , 872-881	0.9	1
13	Censoring mutation in differential evolution 2013 ,		1
12	Approximating the Genetic Diversity of Populations in the Quasi-Equilibrium State. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 632-644	15.6	9
11	KIS: An automated attribute induction method for classification of DNA sequences. <i>International Journal of Applied Mathematics and Computer Science</i> , 2012 , 22, 711-721	1.7	1
10	Decomposition and Metaoptimization of Mutation Operator in Differential Evolution. <i>Lecture Notes in Computer Science</i> , 2012 , 110-118	0.9	3

9	PARADE: A Massively Parallel Differential Evolution Template for EASEA. <i>Lecture Notes in Computer Science</i> , 2012 , 12-20	0.9	5
8	DMEA An algorithm that combines differential mutation with the fitness proportionate selection 2011 ,		5
7	Benchmarking IBHM Method Using NN3 Competition Dataset. <i>Lecture Notes in Computer Science</i> , 2011 , 263-270	0.9	
6	Differential Mutation Based on Population Covariance Matrix 2010 , 114-123		6
5	Evolutionary method as a random tool for searching in Rn. <i>Computational Materials Science</i> , 2009 , 45, 21-26	3.2	2
4	Predictive Control for Artificial Intelligence in Computer Games. <i>Lecture Notes in Computer Science</i> , 2008 , 1137-1148	0.9	
3	Nonlinear time-series modeling and prediction using correlation analysis. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007 , 7, 2030013-2030014	0.2	1
2	Heuristic maximization of the number of spanning trees in regular graphs. <i>Journal of the Franklin Institute</i> , 2006 , 343, 309-325	4	
1	Applying an evolutionary algorithm to telecommunication network design. <i>IEEE Transactions on Evolutionary Computation</i> , 2001 , 5, 309-322	15.6	28