

Jarosław Arabas

List of Publications by Year in descending order

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25
papers

596
citations

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27
all docs

27
docs citations

27
times ranked

548
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiobjective Evolution of the Explainable Fuzzy Rough Neural Network With Gene Expression Programming. IEEE Transactions on Fuzzy Systems, 2022, 30, 4190-4200.	9.8	51
2	A New Step-Size Adaptation Rule for CMA-ES Based on the Population Midpoint Fitness. , 2021, , .		5
3	A Modification of the PBIL Algorithm Inspired by the CMA-ES Algorithm in Discrete Knapsack Problem. Applied Sciences (Switzerland), 2021, 11, 9136.	2.5	4
4	Toward a Matrix-Free Covariance Matrix Adaptation Evolution Strategy. IEEE Transactions on Evolutionary Computation, 2020, 24, 84-98.	10.0	22
5	Population Diversity of Nonelitist Evolutionary Algorithms in the Exploration Phase. IEEE Transactions on Evolutionary Computation, 2020, 24, 1050-1062.	10.0	13
6	Differential Evolution: A survey of theoretical analyses. Swarm and Evolutionary Computation, 2019, 44, 546-558.	8.1	279
7	The contour fitting property of differential mutation. Swarm and Evolutionary Computation, 2019, 50, 100441.	8.1	5
8	Bound constraints handling in Differential Evolution: An experimental study. Swarm and Evolutionary Computation, 2019, 50, 100453.	8.1	34
9	Comparison of mutation strategies in Differential Evolution "A probabilistic perspective. Swarm and Evolutionary Computation, 2018, 39, 53-69.	8.1	78
10	Improving Evolutionary Algorithms in a Continuous Domain by Monitoring the Population Midpoint. IEEE Transactions on Evolutionary Computation, 2017, 21, 807-812.	10.0	18
11	A differential evolution strategy. , 2017, , .		10
12	Detection system of groundwater contamination in vicinity of shale gas well. , 2017, , .		0
13	Classification of Polish shale gas boreholes using measurement data. , 2016, , .		1
14	Quasi-Stability of Real Coded Finite Populations. Lecture Notes in Computer Science, 2014, , 872-881.	1.3	1
15	Censoring mutation in differential evolution. , 2013, , .		1
16	Approximating the Genetic Diversity of Populations in the Quasi-Equilibrium State. IEEE Transactions on Evolutionary Computation, 2012, 16, 632-644.	10.0	11
17	KIS: An automated attribute induction method for classification of DNA sequences. International Journal of Applied Mathematics and Computer Science, 2012, 22, 711-721.	1.5	2
18	Decomposition and Metaoptimization of Mutation Operator in Differential Evolution. Lecture Notes in Computer Science, 2012, , 110-118.	1.3	4

#	ARTICLE	IF	CITATIONS
19	DMEA — An algorithm that combines differential mutation with the fitness proportionate selection. , 2011, , .		5
20	Benchmarking IBHM Method Using NN3 Competition Dataset. Lecture Notes in Computer Science, 2011, , 263-270.	1.3	0
21	Differential Mutation Based on Population Covariance Matrix. , 2010, , 114-123.		6
22	Evolutionary method as a random tool for searching in Rn. Computational Materials Science, 2009, 45, 21-26.	3.0	2
23	Nonlinear time-series modeling and prediction using correlation analysis. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2030013-2030014.	0.2	1
24	Heuristic maximization of the number of spanning trees in regular graphs. Journal of the Franklin Institute, 2006, 343, 309-325.	3.4	0
25	Applying an evolutionary algorithm to telecommunication network design. IEEE Transactions on Evolutionary Computation, 2001, 5, 309-322.	10.0	37