Jaroslaw Arabas

List of Publications by Citations

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	Differential Evolution: A survey of theoretical analyses. *Swarm and Evolutionary Computation*, **2019**, 44, 546-558	9.8	132
25	Comparison of mutation strategies in Differential Evolution – A probabilistic perspective. *Swarm and Evolutionary Computation*, **2018**, 39, 53-69	9.8	44
24	Applying an evolutionary algorithm to telecommunication network design. *IEEE Transactions on Evolutionary Computation*, **2001**, 5, 309-322	15.6	28
23	Multiobjective Evolution of the Explainable Fuzzy Rough Neural Network with Gene Expression Programming. *IEEE Transactions on Fuzzy Systems*, **2022**, 1-1	8.3	16
22	Improving Evolutionary Algorithms in a Continuous Domain by Monitoring the Population Midpoint. *IEEE Transactions on Evolutionary Computation*, **2017**, 21, 807-812	15.6	15
21	Bound constraints handling in Differential Evolution: An experimental study. *Swarm and Evolutionary Computation*, **2019**, 50, 100453	9.8	15
20	Toward a Matrix-Free Covariance Matrix Adaptation Evolution Strategy. *IEEE Transactions on Evolutionary Computation*, **2020**, 24, 84-98	15.6	12
19	Approximating the Genetic Diversity of Populations in the Quasi-Equilibrium State. *IEEE Transactions on Evolutionary Computation*, **2012**, 16, 632-644	15.6	9
18	A differential evolution strategy **2017**,		7
17	Differential Mutation Based on Population Covariance Matrix **2010**, 114-123		6
16	DMEA – An algorithm that combines differential mutation with the fitness proportionate selection **2011**,		5
15	PARADE: A Massively Parallel Differential Evolution Template for EASEA. *Lecture Notes in Computer Science*, **2012**, 12-20	0.9	5
14	The contour fitting property of differential mutation. *Swarm and Evolutionary Computation*, **2019**, 50, 100441	9.8	4
13	Population Diversity of Nonelitist Evolutionary Algorithms in the Exploration Phase. *IEEE Transactions on Evolutionary Computation*, **2020**, 24, 1050-1062	15.6	4
12	Decomposition and Metaoptimization of Mutation Operator in Differential Evolution. *Lecture Notes in Computer Science*, **2012**, 110-118	0.9	3
11	Evolutionary method as a random tool for searching in Rn. *Computational Materials Science*, **2009**, 45, 21-26	3.2	2
10	Classification of Polish shale gas boreholes using measurement data **2016**,		1

List of Publications

9	Censoring mutation in differential evolution **2013**,		1
8	KIS: An automated attribute induction method for classification of DNA sequences. *International Journal of Applied Mathematics and Computer Science*, **2012**, 22, 711-721	1.7	1
7	Nonlinear time-series modeling and prediction using correlation analysis. *Proceedings in Applied Mathematics and Mechanics*, **2007**, 7, 2030013-2030014	0.2	1
6	Quasi-Stability of Real Coded Finite Populations. *Lecture Notes in Computer Science*, **2014**, 872-881	0.9	1
5	A New Step-Size Adaptation Rule for CMA-ES Based on the Population Midpoint Fitness **2021**,		1
4	A Modification of the PBIL Algorithm Inspired by the CMA-ES Algorithm in Discrete Knapsack Problem. *Applied Sciences (Switzerland)*, **2021**, 11, 9136	2.6	0
3	Heuristic maximization of the number of spanning trees in regular graphs. *Journal of the Franklin Institute*, **2006**, 343, 309-325	4	
2	Predictive Control for Artificial Intelligence in Computer Games. *Lecture Notes in Computer Science*, **2008**, 1137-1148	0.9	
1	Benchmarking IBHM Method Using NN3 Competition Dataset. *Lecture Notes in Computer Science*, **2011**, 263-270	0.9	