

# Krzysztof Michalak

## List of Publications by Year in descending order

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50  
papers

461  
citations

1162889

8  
h-index

794469

19  
g-index

55  
all docs

55  
docs citations

55  
times ranked

269  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of methods for imbalanced multi-label classification. Pattern Recognition, 2021, 118, 107965.	5.1	147
2	Feature selection in corporate credit rating prediction. Knowledge-Based Systems, 2013, 51, 72-84.	4.0	87
3	Correlation based feature selection method. International Journal of Bio-Inspired Computation, 2010, 2, 319.	0.6	37
4	Correlation-based Feature Selection Strategy in Neural Classification. , 2006, , .		30
5	Low-Dimensional Euclidean Embedding for Visualization of Search Spaces in Combinatorial Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 232-246.	7.5	18
6	The effects of asymmetric neighborhood assignment in the MOEA/D algorithm. Applied Soft Computing Journal, 2014, 25, 97-106.	4.1	12
7	The Sim-EA Algorithm with Operator Autoadaptation for the Multiobjective Firefighter Problem. Lecture Notes in Computer Science, 2015, , 184-196.	1.0	12
8	ED-LS " A heuristic local search for the multiobjective Firefighter Problem. Applied Soft Computing Journal, 2017, 59, 389-404.	4.1	9
9	Cross-Validation Approach to Evaluate Clustering Algorithms: An Experimental Study Using Multi-Label Datasets. SN Computer Science, 2020, 1, 1.	2.3	9
10	Evolutionary algorithm with a directional local search for multiobjective optimization in combinatorial problems. Optimization Methods and Software, 2016, 31, 392-404.	1.6	8
11	Auto-adaptation of Genetic Operators for Multi-objective Optimization in the Firefighter Problem. Lecture Notes in Computer Science, 2014, , 484-491.	1.0	7
12	Simheuristics for the Multiobjective Nondeterministic Firefighter Problem in a Time-Constrained Setting. Lecture Notes in Computer Science, 2016, , 248-265.	1.0	6
13	Optimization of Poincaré sections for discriminating between stochastic and deterministic behavior of dynamical systems. Chaos, Solitons and Fractals, 2015, 78, 215-228.	2.5	5
14	Selecting Best Investment Opportunities from Stock Portfolios Optimized by a Multiobjective Evolutionary Algorithm. , 2015, , .		4
15	Surrogate-based optimization for reduction of contagion susceptibility in financial systems. , 2019, , .		4
16	Usage Patterns of Trading Rules in Stock Market Trading Strategies Optimized with Evolutionary Methods. Lecture Notes in Computer Science, 2013, , 234-243.	1.0	3
17	Improving Classification of Patterns in Ultra-High Frequency Time Series with Evolutionary Algorithms. , 2016, , .		3
18	Multiobjective optimization of frequent pattern models in ultra-high frequency time series: Stability versus universality. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	Reducing systemic risk in multiplex networks using evolutionary optimization. , 2017, , .		3
20	Informed mutation operator using machine learning for optimization in epidemics prevention. , 2018, , .		3
21	Evolutionary optimization of epidemic control strategies for livestock disease prevention. , 2019, , .		3
22	The influence of uncertainties on optimization of vaccinations on a network of animal movements. Soft Computing, 2021, 25, 4907-4923.	2.1	3
23	Evolutionary Algorithm Using Random Immigrants for the Multiobjective Travelling Salesman Problem. Procedia Computer Science, 2021, 192, 1461-1470.	1.2	3
24	Estimation of Distribution Algorithms for the Firefighter Problem. Lecture Notes in Computer Science, 2017, , 108-123.	1.0	3
25	Sim-EDA: A Multipopulation Estimation of Distribution Algorithm Based on Problem Similarity. Lecture Notes in Computer Science, 2016, , 235-250.	1.0	3
26	Low-Dimensional euclidean embedding for visualization of search spaces in combinatorial optimization. , 2019, , .		2
27	Deriving knowledge from local optima networks for evolutionary optimization in inventory routing problem. , 2019, , .		2
28	Solving the parameterless firefighter problem using multiobjective evolutionary algorithms. , 2019, , .		2
29	Generating hard inventory routing problem instances using evolutionary algorithms. , 2021, , .		2
30	A Predictive Evolutionary Algorithm for Dynamic Constrained Inverse Kinematics Problems. Lecture Notes in Computer Science, 2012, , 610-621.	1.0	2
31	Multiobjective Dynamic Constrained Evolutionary Algorithm for Control of a Multi-segment Articulated Manipulator. Lecture Notes in Computer Science, 2014, , 199-206.	1.0	2
32	Influence of data dimensionality on the quality of forecasts given by a multilayer perceptron. Theoretical Computer Science, 2007, 371, 62-71.	0.5	1
33	SELECTION OF NUMERICAL AND NOMINAL FEATURES BASED ON PROBABILISTIC DEPENDENCE BETWEEN FEATURES. Applied Artificial Intelligence, 2011, 25, 746-767.	2.0	1
34	Using an outward selective pressure for improving the search quality of the MOEA/D algorithm. Computational Optimization and Applications, 2015, 61, 571-607.	0.9	1
35	Infeasibility Driven Evolutionary Algorithm with the Anticipation Mechanism for the Reaching Goal in Dynamic Constrained Inverse Kinematics. , 2015, , .		1
36	Evolutionary algorithm with a directional local search for multiobjective optimization in combinatorial problems. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
37	Feasibility-Preserving Genetic Operators for Hybrid Algorithms using TSP solvers for the Inventory Routing Problem. <i>Procedia Computer Science</i> , 2021, 192, 1451-1460.	1.2	1
38	Correlation Dimension and the Quality of Forecasts Given by a Neural Network. <i>Lecture Notes in Computer Science</i> , 2005, , 332-341.	1.0	1
39	Improving the NSGA-II Performance with an External Population. <i>Lecture Notes in Computer Science</i> , 2015, , 273-280.	1.0	1
40	Continuous Population-Based Incremental Learning with Mixture Probability Modeling for Dynamic Optimization Problems. <i>Lecture Notes in Computer Science</i> , 2014, , 457-464.	1.0	1
41	Analysis of Dynamic Properties of Stock Market Trading Experts Optimized with an Evolutionary Algorithm. <i>Lecture Notes in Computer Science</i> , 2014, , 264-275.	1.0	1
42	Evolutionary Graph-Based V+E Optimization for Protection Against Epidemics. <i>Lecture Notes in Computer Science</i> , 2020, , 399-412.	1.0	1
43	The MOEA/D algorithm with gaussian neighbourhoods for the multiobjective travelling salesman problem. , 2017, , .		0
44	Simulation-based crossover for the firefighter problem. , 2017, , .		0
45	Crossover Operator Using Knowledge Transfer for the Firefighter Problem. <i>Lecture Notes in Computer Science</i> , 2018, , 305-316.	1.0	0
46	Knowledge-Based Solution Construction for Evolutionary Minimization of Systemic Risk. <i>Lecture Notes in Computer Science</i> , 2018, , 58-68.	1.0	0
47	ED-LS. , 2018, , .		0
48	Multidimensional time series feature engineering by hybrid evolutionary approach. , 2019, , .		0
49	The influence of uncertainties on optimization of vaccinations on a network of animal movements. , 2021, , .		0
50	Local Search Based on a Local Utopia Point for the Multiobjective Travelling Salesman Problem. <i>Lecture Notes in Computer Science</i> , 2015, , 281-289.	1.0	0