

# Madalina M Drugan

## List of Publications by Year in descending order

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49  
papers

860  
citations

1162367

8  
h-index

839053

18  
g-index

53  
all docs

53  
docs citations

53  
times ranked

868  
citing authors

#	ARTICLE	IF	CITATIONS
1	Random walk's correlation function for multi-objective NK landscapes and quadratic assignment problem. <i>Journal of Combinatorial Optimization</i> , 2019, 38, 1213-1262.	0.8	0
2	Estimating the number of basins of attraction of multi-objective combinatorial problems. <i>Journal of Combinatorial Optimization</i> , 2019, 37, 1367-1407.	0.8	2
3	Covariance Matrix Adaptation for Multiobjective Multiarmed Bandits. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 2493-2502.	7.2	4
4	Reinforcement learning versus evolutionary computation: A survey on hybrid algorithms. <i>Swarm and Evolutionary Computation</i> , 2019, 44, 228-246.	4.5	101
5	Scaling-up many-objective combinatorial optimization with Cartesian products of scalarization functions. <i>Journal of Heuristics</i> , 2018, 24, 135-172.	1.1	2
6	Hierarchical Reinforcement Learning for Real-Time Strategy Games. , 2018, , .		2
7	Opponent Modelling in the Game of Tron using Reinforcement Learning. , 2018, , .		9
8	Exploration Methods for Connectionist Q-learning in Bomberman. , 2018, , .		5
9	PAC models in stochastic multi-objective multi-armed bandits. , 2017, , .		1
10	Adversarial Reinforcement Learning in a Cyber Security Simulation. , 2017, , .		35
11	A Bayesian model for anomaly detection in SQL databases for security systems. , 2016, , .		0
12	Comparing exploration strategies for Q-learning in random stochastic mazes. , 2016, , .		56
13	Temporal Difference Learning for the Game Tic-Tac-Toe 3D: Applying Structure to Neural Networks. , 2015, , .		9
14	Correlated Gaussian Multi-Objective Multi-Armed Bandit Across Arms Algorithm. , 2015, , .		1
15	Annealing linear scalarized based multi-objective multi-armed bandit algorithm. , 2015, , .		0
16	Stochastic Pareto local search for many objective quadratic assignment problem instances. , 2015, , .		3
17	Approximative Pareto Front Identification. , 2015, , .		0
18	Synergies between Evolutionary Algorithms and Reinforcement Learning. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
19	Generating QAP instances with known optimum solution and additively decomposable cost function. Journal of Combinatorial Optimization, 2015, 30, 1138-1172.	0.8	8
20	Infinite Horizon Multi-armed Bandits with Reward Vectors: Exploration/Exploitation Trade-off. Lecture Notes in Computer Science, 2015, , 128-144.	1.0	0
21	Scalarized Lower Upper Confidence Bound Algorithm. Lecture Notes in Computer Science, 2015, , 229-235.	1.0	0
22	Scalarized and Pareto Knowledge Gradient for Multi-objective Multi-armed Bandits. Lecture Notes in Computer Science, 2015, , 99-116.	1.0	1
23	Adaptive Neighbourhood Search for the Component Deployment Problem. Lecture Notes in Computer Science, 2015, , 188-202.	1.0	0
24	Annealing-pareto multi-objective multi-armed bandit algorithm. , 2014, , .		8
25	Model-based multi-objective reinforcement learning. , 2014, , .		23
26	Pareto Upper Confidence Bounds algorithms: An empirical study. , 2014, , .		2
27	Scalarization based Pareto optimal set of arms identification algorithms. , 2014, , .		11
28	The scalarized multi-objective multi-armed bandit problem: An empirical study of its exploration vs. exploitation tradeoff. , 2014, , .		9
29	Hypervolume-Based Multi-Objective Reinforcement Learning. Lecture Notes in Computer Science, 2013, , 352-366.	1.0	35
30	Scalarized multi-objective reinforcement learning: Novel design techniques. , 2013, , .		94
31	Bandit-Inspired Memetic Algorithms for solving Quadratic Assignment Problems. , 2013, , .		3
32	Local search and restart strategies for satisfiability solving in fuzzy logics. , 2013, , .		2
33	Meta-Evolutionary Algorithms and recombination operators for satisfiability solving in fuzzy logics. , 2013, , .		1
34	Designing multi-objective multi-armed bandits algorithms: A study. , 2013, , .		52
35	Cartesian product of scalarization functions for many-objective QAP instances with correlated flow matrices. , 2013, , .		4
36	Solving satisfiability in fuzzy logics by mixing CMA-ES. , 2013, , .		7

#	ARTICLE	IF	CITATIONS
37	Instance generator for the quadratic assignment problem with additively decomposable cost function. , 2013, , .		5
38	Sets of interacting scalarization functions in local search for multi-objective combinatorial optimization problems. , 2013, , .		6
39	Finding Days-of-week Representation for Intelligent Machine Usage Profiling. Journal of Industrial and Intelligent Information, 2013, 1, 148-154.	0.1	4
40	Stochastic Pareto local search: Pareto neighbourhood exploration and perturbation strategies. Journal of Heuristics, 2012, 18, 727-766.	1.1	48
41	Generalized adaptive pursuit algorithm for genetic pareto local search algorithms. , 2011, , .		5
42	Recombination operators and selection strategies for evolutionary Markov Chain Monte Carlo algorithms. Evolutionary Intelligence, 2010, 3, 79-101.	2.3	7
43	Feature selection for Bayesian network classifiers using the MDL-FS score. International Journal of Approximate Reasoning, 2010, 51, 695-717.	1.9	28
44	<i>LysNDeNovo</i>: An algorithm enabling <i>de novo</i> sequencing of Lysâ€N generated peptides fragmented by electron transfer dissociation. Proteomics, 2010, 10, 1196-1201.	1.3	8
45	Geometrical Recombination Operators for Real-Coded Evolutionary MCMCs. Evolutionary Computation, 2010, 18, 157-198.	2.3	6
46	Path-Guided Mutation for Stochastic Pareto Local Search Algorithms. , 2010, , 485-495.		15
47	Strong Cation Exchange-based Fractionation of Lys-N-generated Peptides Facilitates the Targeted Analysis of Post-translational Modifications. Molecular and Cellular Proteomics, 2009, 8, 190-200.	2.5	69
48	StatQuant: a post-quantification analysis toolbox for improving quantitative mass spectrometry. Bioinformatics, 2009, 25, 1472-1473.	1.8	39
49	Straightforward ladder sequencing of peptides using a Lys-N metalloendopeptidase. Nature Methods, 2008, 5, 405-407.	9.0	116