

Byung-Ro Moon

List of Publications by Year in descending order

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41
papers

641
citations

686830

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642321

23
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43
all docs

43
docs citations

43
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	An empirical study on the synergy of multiple crossover operators. IEEE Transactions on Evolutionary Computation, 2002, 6, 212-223.	7.5	58
2	Genetic approaches for graph partitioning. , 2011, , .		56
3	Application of machine learning to an early warning system for very short-term heavy rainfall. Journal of Hydrology, 2019, 568, 1042-1054.	2.3	56
4	Toward minimal restriction of genetic encoding and crossovers for the two-dimensional Euclidean TSP. IEEE Transactions on Evolutionary Computation, 2002, 6, 557-565.	7.5	48
5	Geometric Crossovers for Multiway Graph Partitioning. Evolutionary Computation, 2007, 15, 445-474.	2.3	46
6	Lock-Gain Based Graph Partitioning. Journal of Heuristics, 2004, 10, 37-57.	1.1	29
7	Improved Large-Step Markov Chain Variants for the Symmetric TSP. Journal of Heuristics, 1997, 3, 63-81.	1.1	28
8	Normalization for Genetic Algorithms With Nonsynonymously Redundant Encodings. IEEE Transactions on Evolutionary Computation, 2008, 12, 604-616.	7.5	27
9	Adaptive elevator group control with cameras. IEEE Transactions on Industrial Electronics, 2001, 48, 377-382.	5.2	26
10	GRCA: a hybrid genetic algorithm for circuit ratio-cut partitioning. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 1998, 17, 193-204.	1.9	19
11	A Graph-Based Lamarckianâ€“Baldwinian Hybrid for the Sorting Network Problem. IEEE Transactions on Evolutionary Computation, 2005, 9, 105-114.	7.5	18
12	Quotient geometric crossovers and redundant encodings. Theoretical Computer Science, 2012, 425, 4-16.	0.5	17
13	GEORG: VLSI circuit partitioner with a new genetic algorithm framework. Journal of Intelligent Manufacturing, 1998, 9, 401-412.	4.4	16
14	A Lagrangian Approach for Multiple Personalized Campaigns. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 383-396.	4.0	14
15	Finding attractive technical patterns in cryptocurrency markets. Memetic Computing, 2018, 10, 301-306.	2.7	14
16	Investigation of the Fitness Landscapes in Graph Bipartitioning: An Empirical Study. Journal of Heuristics, 2004, 10, 111-133.	1.1	13
17	Automatic Reproduction of a Genius Algorithm: Strassen's Algorithm Revisited by Genetic Search. IEEE Transactions on Evolutionary Computation, 2010, 14, 246-251.	7.5	12
18	Detecting Anomalies in Meteorological Data Using Support Vector Regression. Advances in Meteorology, 2018, 2018, 1-14.	0.6	12

#	ARTICLE	IF	CITATIONS
19	Critical heat flux function approximation using genetic algorithms. IEEE Transactions on Nuclear Science, 2005, 52, 535-545.	1.2	11
20	An evolutionary lagrangian method for the 0/1 multiple knapsack problem. , 2005, , .		11
21	Lower and Upper Bounds for Linkage Discovery. IEEE Transactions on Evolutionary Computation, 2009, 13, 201-216.	7.5	11
22	A theoretical and empirical investigation on the Lagrangian capacities of the 0-1 multidimensional knapsack problem. European Journal of Operational Research, 2012, 218, 366-376.	3.5	11
23	Local search-embedded genetic algorithms for feature selection. , 0, , .		10
24	Properties of Symmetric Fitness Functions. IEEE Transactions on Evolutionary Computation, 2007, 11, 743-757.	7.5	7
25	Correcting abnormalities in meteorological data by machine learning. , 2014, , .		7
26	Dynamic embedding for genetic VLSI circuit partitioning. Engineering Applications of Artificial Intelligence, 1998, 11, 67-76.	4.3	6
27	A Hybrid Genetic Approach for Circuit Bipartitioning. Lecture Notes in Computer Science, 2004, , 1054-1064.	1.0	5
28	A Survey on Chromosomal Structures and Operators for Exploiting Topological Linkages of Genes. Lecture Notes in Computer Science, 2003, , 1357-1368.	1.0	5
29	A Genetic Algorithm for Rule-based Chart Pattern Search in Stock Market Prices. , 2016, , .		4
30	Problem-Independent Schema Synthesis for Genetic Algorithms. Lecture Notes in Computer Science, 2003, , 1112-1122.	1.0	4
31	A new modular genetic programming for finding attractive technical patterns in stock markets. , 2010, , .		3
32	A Note on Edge-based Graph Partitioning and its Linear Algebraic Structure. Mathematical Modelling and Algorithms, 2011, 10, 269-276.	0.5	3
33	Fast Knowledge Discovery in Time Series with GPGPU on Genetic Programming. , 2015, , .		3
34	Neural Network Normalization for Genetic Search. Lecture Notes in Computer Science, 2004, , 398-399.	1.0	3
35	Optimization of multi-way clustering and retrieval using genetic algorithms in reusable class library. , 0, , .		2
36	Feasibility-preserving crossover for maximum k-coverage problem. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
37	The evolution of neural network-based chart patterns. , 2017, , .		2
38	Investigation of hungarian mating schemes for genetic algorithms. , 2014, , .		1
39	A graph-based approach to the sorting network problem. , 0, , .		0
40	A New Adaptive Hungarian Mating Scheme in Genetic Algorithms. Discrete Dynamics in Nature and Society, 2016, 2016, 1-13.	0.5	0
41	New Usage of SOM for Genetic Algorithms. Lecture Notes in Computer Science, 2003, , 1101-1111.	1.0	0