Chuan-Kang Ting

List of Publications by Year
in descending order

56 papers	813 citations	687363 13 h-index	642732 23 g-index
56 all docs	56 docs citations	56 times ranked	702 citing authors

#	Article	IF	Citations
1	A memetic algorithm for extending wireless sensor network lifetime. Information Sciences, 2010, 180, 4818-4833.	6.9	80
2	Wireless Heterogeneous Transmitter Placement Using Multiobjective Variable-Length Genetic Algorithm. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 945-958.	5.0	71
3	The selective pickup and delivery problem: Formulation and a memetic algorithm. International Journal of Production Economics, 2013, 141, 199-211.	8.9	62
4	Evolutionary many-tasking based on biocoenosis through symbiosis: A framework and benchmark problems. , 2017, , .		58
5	Multi-parent extension of partially mapped crossover for combinatorial optimization problems. Expert Systems With Applications, 2010, 37, 1879-1886.	7.6	57
6	A Novel Integer-Coded Memetic Algorithm for the Set <inline-formula> <tex-math notation="LaTeX">k </tex-math> </inline-formula>-Cover Problem in Wireless Sensor Networks. IEEE Transactions on Cybernetics, 2018, 48, 2245-2258.	9.5	50
7	Computational Intelligence in Music Composition: A Survey. IEEE Transactions on Emerging Topics in Computational Intelligence, 2017, 1, 2-15.	4.9	45
8	Evolutionary Manytasking Optimization Based on Symbiosis in Biocoenosis. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4295-4303.	4.9	39
9	An effective genetic algorithm to improve wireless sensor network lifetime for large-scale surveillance applications. , 2007, , .		30
10	On the harmonious mating strategy through tabu search. Information Sciences, 2003, 156, 189-214.	6.9	29
11	An effective hybrid of hill climbing and genetic algorithm for 2D triangular protein structure prediction. Proteome Science, 2011, 9, S19.	1.7	26
12	Multi-vehicle selective pickup and delivery using metaheuristic algorithms. Information Sciences, 2017, 406-407, 146-169.	6.9	23
13	Mining fuzzy association rules using a memetic algorithm based on structure representation. Memetic Computing, 2018, 10, 15-28.	4.0	22
14	A Novel Automatic Composition System Using Evolutionary Algorithm and Phrase Imitation. IEEE Systems Journal, 2017, 11, 1284-1295.	4.6	18
15	Multi-objective tag SNPs selection using evolutionary algorithms. Bioinformatics, 2010, 26, 1446-1452.	4.1	17
16	Evolutionary composition using music theory and charts. , 2013, , .		15
17	Genetic algorithm with a structure-based representation for genetic-fuzzy data mining. Soft Computing, 2017, 21, 2871-2882.	3.6	14
18	Two-Stage Evolutionary Neural Architecture Search for Transfer Learning. IEEE Transactions on Evolutionary Computation, 2021, 25, 928-940.	10.0	14

#	Article	IF	Citations
19	An evolutionary approach for the selective pickup and delivery problem. , 2010, , .		12
20	Selecting survivors in genetic algorithm using tabu search strategies. Memetic Computing, 2009, 1, 191-203.	4.0	11
21	A new approach for detection of dimensions set in mechanical drawings. Pattern Recognition Letters, 1997, 18, 367-373.	4.2	9
22	UbiPaPaGo: Context-aware path planning. Expert Systems With Applications, 2011, 38, 4150-4161.	7.6	9
23	Ant Colony Optimization for the Single Vehicle Pickup and Delivery Problem with Time Window. , 2010, , .		8
24	Evolution of biocoenosis through symbiosis with fitness approximation for many-tasking optimization. Memetic Computing, 2020, 12, 399-417.	4.0	8
25	Varying Number of Difference Vectors in Differential Evolution. , 2009, , .		7
26	Emergent Tactical Formation Using Genetic Algorithm in Real-Time Strategy Games. , 2011, , .		7
27	Solving the biobjective selective pickup and delivery problem with memetic algorithm. , 2013, , .		7
28	A novel genetic algorithm considering measures and phrases for generating melody. , 2014, , .		7
29	An evolutionary attribute clustering and selection method based on feature similarity. , 2010, , .		6
30	Genetic algorithm with path relinking for the multi-vehicle selective pickup and delivery problem. , 2011, , .		6
31	Music pattern mining for chromosome representation in evolutionary composition. , 2015, , .		5
32	MOEA/D using covariance matrix adaptation evolution strategy for complex multi-objective optimization problems. , 2016, , .		5
33	Extending wireless sensor network lifetime through order-based genetic algorithm. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	4
34	Incorporating Fitness Inheritance and k-Nearest Neighbors for Evolutionary Dynamic Optimization. , 2018, , .		4
35	A Genetic Algorithm for Diploid Genome Reconstruction Using Paired-End Sequencing. PLoS ONE, 2016, 11, e0166721.	2.5	3
36	Evolutionary Optimization on k-Nearest Neighbors Classifier for Imbalanced Datasets. , 2019, , .		3

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37	An efficient hybrid of hill-climbing and genetic algorithm for 2D triangular protein structure prediction. , 2010, , .		2
38	Tabu Search with Random Walk for Lifetime Extension in Wireless Sensor Networks. , 2012, , .		2
39	A genetic algorithm for the minimum latency pickup and delivery problem. , 2014, , .		2
40	An Ant System for the Selective Pickup and Delivery Problem. , 2016, , .		2
41	Fusing Flamenco and Argentine Tango by evolutionary composition. , 2017, , .		2
42	Fitness Inheritance Assisted MOEA/D-CMAES for Complex Multi-Objective Optimization Problems. , 2018, , .		2
43	Enhancing k-Nearest Neighbors through Learning Transformation Functions by Genetic Programming. , 2019, , .		2
44	Composing Bossa Nova by Evolutionary Computation. , 2020, , .		2
45	Incorporating tabu search into the survivor selection of genetic algorithm. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	1
46	Special issue on creative intelligence. Evolutionary Intelligence, 2015, 8, 1-2.	3.6	1
47	Special issue on soft computing for big data and social informatics. Soft Computing, 2017, 21, 2799-2800.	3.6	1
48	Designing Facility Layouts with Hard and Soft Constraints by Evolutionary Algorithm. , 2018, , .		1
49	Empirical Analysis of Island Model on Large Scale Global Optimization. , 2019, , .		1
50	Surfing the Waves of Computational Intelligence [Editor's Remarks]. IEEE Computational Intelligence Magazine, 2020, 15, 2-2.	3.2	1
51	Pattern Formation Based on Potential Field in Real-Time Strategy Games. , 2012, , .		0
52	Downlink massive data broadcast in LTE-Advanced or 802.16m WiMAX-based relay networks. , 2012, , .		0
53	Multilevel broadcast recipient maximization in IEEE 802.16j using ant colony optimization. , 2013, , .		0
54	The Evolution of Neural Networks [Editor's Remarks]. IEEE Computational Intelligence Magazine, 2021, 16, 2-2.	3.2	0

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55	Knowledge Transfer and Multitasking [Editor's Remarks]. IEEE Computational Intelligence Magazine, 2021, 16, 2-2.	3.2	0
56	Digging Deeper Into the Stories [Editor's Remarks]. IEEE Computational Intelligence Magazine, 2022, 17, 2-2.	3.2	0