

Ming-Chao Chiang

List of Publications by Year in descending order

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68
papers

1,114
citations

933447

10
h-index

713466

21
g-index

69
all docs

69
docs citations

69
times ranked

1241
citing authors

#	ARTICLE	IF	CITATIONS
1	Data Mining for Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 77-97.	39.4	504
2	A Hyper-Heuristic Scheduling Algorithm for Cloud. IEEE Transactions on Cloud Computing, 2014, 2, 236-250.	4.4	159
3	A time-efficient pattern reduction algorithm for k-means clustering. Information Sciences, 2011, 181, 716-731.	6.9	82
4	A fast VQ codebook generation algorithm via pattern reduction. Pattern Recognition Letters, 2009, 30, 653-660.	4.2	40
5	A fast particle swarm optimization for clustering. Soft Computing, 2015, 19, 321-338.	3.6	33
6	PREACO: A fast ant colony optimization for codebook generation. Applied Soft Computing Journal, 2013, 13, 3008-3020.	7.2	32
7	A Genetic NewGreedy Algorithm for Influence Maximization in Social Network. , 2015, , .		23
8	A High-Performance Genetic Algorithm: Using Traveling Salesman Problem as a Case. Scientific World Journal, The, 2014, 2014, 1-14.	2.1	21
9	Computational awareness for smart grid: a review. International Journal of Machine Learning and Cybernetics, 2014, 5, 151-163.	3.6	17
10	A fast cycle-accurate instruction set simulator based on QEMU and SystemC for SoC development. , 2010, , .		15
11	A fast Ant Colony Optimization for traveling salesman problem. , 2010, , .		14
12	An effective hybrid-heuristic algorithm for urban traffic light scheduling. Neural Computing and Applications, 2021, 33, 17535-17549.	5.6	12
13	Data analytics for internet of things: A review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1261.	6.8	11
14	An Improved Hyper-Heuristic Clustering Algorithm for Wireless Sensor Networks. Mobile Networks and Applications, 2017, 22, 943-958.	3.3	9
15	A Hybrid Algorithm based on GWO and GOA for Cycle Traffic Light Timing Optimization. , 2019, , .		9
16	A modified multiobjective EA-based clustering algorithm with automatic determination of the number of clusters. , 2012, , .		7
17	A hyper-heuristic clustering algorithm. , 2012, , .		7
18	A non-dominated sorting firefly algorithm for multi-objective optimization. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
19	A Multiple-Search Multi-Start Framework for Metaheuristics for Clustering Problems. IEEE Access, 2020, 8, 96173-96183.	4.2	7
20	A Bitmap Approach for Mining Erasable Itemsets. IEEE Access, 2021, 9, 106029-106038.	4.2	7
21	A Document Clustering Approach for Search Engines. , 2006, , .		6
22	A Time efficient Pattern Reduction algorithm for k-means based clustering. , 2007, , .		6
23	Classification algorithms for interactive multimedia services: a review. Multimedia Tools and Applications, 2013, 67, 137-165.	3.9	6
24	A quantum-inspired evolutionary clustering algorithm. , 2013, , .		6
25	Parallel coral reef algorithm for solving JSP on Spark. , 2016, , .		6
26	Optimizing the Simulation Speed of QEMU and SystemC-Based Virtual Platform. , 2010, , .		5
27	A fast tree-based search algorithm for cluster search engine. , 2009, , .		4
28	A Grid-Based Distributed Computing Environment for Automatic Concept Extraction and Content Supporting Service. , 2009, , .		4
29	Ant colony optimization with dual pheromone tables for clustering. , 2011, , .		4
30	Job shop scheduling based on ACO with a hybrid solution construction strategy. , 2011, , .		4
31	A Brief Introduction to Classification for Smart Grid. , 2013, , .		4
32	A Multiple Pheromone Table Based Ant Colony Optimization for Clustering. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	4
33	An Improved Quantum-Inspired Evolutionary Algorithm for Data Clustering. , 2018, , .		4
34	Topic generation for web document summarization. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	3
35	A Context Awareness based prediction for remedy system. , 2012, , .		3
36	An Automatic Data Clustering Algorithm Based on Differential Evolution. , 2013, , .		3

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37	A multiple-search multi-start framework for metaheuristics. , 2014, , .		3
38	Parallel Black Hole Clustering Based on MapReduce. , 2015, , .		3
39	Fast genetic algorithm based on pattern reduction. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	2
40	A Time-Efficient Method for Metaheuristics: Using Tabu Search and Tabu GA as a Case. , 2009, , .		2
41	Energy efficiency based on high performance particle swarm optimization: a case study. Telecommunication Systems, 2013, 52, 1293.	2.5	2
42	A highly efficient method for improving the performance of GLA-based algorithms. Journal of Visual Communication and Image Representation, 2018, 50, 290-302.	2.8	2
43	An Effective Algorithm for Cloud Workflow Scheduling. , 2018, , .		2
44	GA-based item partition for data mining. , 2011, , .		1
45	A high performance algorithm for puzzle reconstruction problem. , 2012, , .		1
46	L-nearest neighbors ant colony optimization for data clustering. , 2013, , .		1
47	Automatic elastic net clustering algorithm. , 2014, , .		1
48	An intelligent robot for home healthcare. , 2015, , .		1
49	Reference itemsets: useful itemsets to approximate the representation of frequent itemsets. Soft Computing, 2017, 21, 6143-6157.	3.6	1
50	A novel clustering algorithm for wireless sensor network based on search economics. , 2017, , .		1
51	A Parallel Elastic Net Clustering Algorithm. , 2018, , .		1
52	A Co-evolution Coral Reefs optimization Approach for Multi-objective Vehicle Routing Problem with Time Windows. , 2019, , .		1
53	A high-performance clustering algorithm based on searched experiences. Computers in Human Behavior, 2019, 100, 231-241.	8.5	1
54	Fast VQ codebook generation via Pattern Reduction. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0

#	ARTICLE	IF	CITATIONS
55	A Remedial Supporting Based Learning Management System. , 2008, , .		0
56	A semi-supervised support vector machine based algorithm for face recognition. , 2009, , .		0
57	An Ontology-Based Method for Integrating Heterogeneous Itembanks. , 2009, , .		0
58	A time-efficient particle swarm optimization-based codebook generation algorithm. , 2010, , .		0
59	Bus performance exploration at CCA and CA levels on QEMU and SystemC-based virtual platform. , 2010, , .		0
60	Lecture concepts based item classification for remedial. , 2011, , .		0
61	Enabling TLM-2.0 interface on QEMU and SystemC-based virtual platform. , 2011, , .		0
62	An efficient local search for grid scheduling problem in learning system. , 2012, , .		0
63	An efficient hybrid algorithm for balancing the load of wireless local area network. Computers and Electrical Engineering, 2016, 56, 243-261.	4.8	0
64	A novel clustering algorithm based on searched experiences. , 2017, , .		0
65	An effective method for approximate representation of frequent itemsets. Intelligent Data Analysis, 2017, 21, 597-616.	0.9	0
66	An Effective Algorithm based on Search Economics for Multi-Objective Optimization. , 2020, , .		0
67	The Whale Optimization Algorithm for Hyperparameter Optimization in Network-Wide Traffic Speed Prediction. , 2020, , .		0
68	Search Economics for Multi-Objective Vehicle Routing Problem with Time Windows. , 2021, , .		0