

Chun-Wei Tsai

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

3,019
citations

304743

22
h-index

175258

52
g-index

107
all docs

107
docs citations

107
times ranked

3269
citing authors

#	ARTICLE	IF	CITATIONS
1	Health-CPS: Healthcare Cyber-Physical System Assisted by Cloud and Big Data. IEEE Systems Journal, 2017, 11, 88-95.	4.6	657
2	Data Mining for Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 77-97.	39.4	504
3	Future Internet of Things: open issues and challenges. Wireless Networks, 2014, 20, 2201-2217.	3.0	214
4	Metaheuristic Scheduling for Cloud: A Survey. IEEE Systems Journal, 2014, 8, 279-291.	4.6	197
5	A Hyper-Heuristic Scheduling Algorithm for Cloud. IEEE Transactions on Cloud Computing, 2014, 2, 236-250.	4.4	159
6	A hybrid meta-heuristic algorithm for VM scheduling with load balancing in cloud computing. Neural Computing and Applications, 2015, 26, 1297-1309.	5.6	110
7	Network Monitoring in Software-Defined Networking: A Review. IEEE Systems Journal, 2018, 12, 3958-3969.	4.6	96
8	A time-efficient pattern reduction algorithm for k-means clustering. Information Sciences, 2011, 181, 716-731.	6.9	82
9	ACODF: a novel data clustering approach for data mining in large databases. Journal of Systems and Software, 2004, 73, 133-145.	4.5	71
10	Metaheuristics for the Lifetime of WSN: A Review. IEEE Sensors Journal, 2016, 16, 2812-2831.	4.7	62
11	Metaheuristics for the deployment problem of WSN: A review. Microprocessors and Microsystems, 2015, 39, 1305-1317.	2.8	59
12	Toward Blockchains for Health-Care Systems: Applying the Bilinear Pairing Technology to Ensure Privacy Protection and Accuracy in Data Sharing. IEEE Consumer Electronics Magazine, 2018, 7, 65-71.	2.3	51
13	Metaheuristic Algorithms for Healthcare: Open Issues and Challenges. Computers and Electrical Engineering, 2016, 53, 421-434.	4.8	50
14	Optimizing hyperparameters of deep learning in predicting bus passengers based on simulated annealing. Applied Soft Computing Journal, 2020, 88, 106068.	7.2	45
15	Metaheuristics for the deployment of 5G. IEEE Wireless Communications, 2015, 22, 40-46.	9.0	41
16	A fast VQ codebook generation algorithm via pattern reduction. Pattern Recognition Letters, 2009, 30, 653-660.	4.2	40
17	SEIRA: An effective algorithm for IoT resource allocation problem. Computer Communications, 2018, 119, 156-166.	5.1	34
18	A fast particle swarm optimization for clustering. Soft Computing, 2015, 19, 321-338.	3.6	33

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19	An effective WSN deployment algorithm via search economics. <i>Computer Networks</i> , 2016, 101, 178-191.	5.1	32
20	A memetic particle swarm optimization algorithm for solving the DNA fragment assembly problem. <i>Neural Computing and Applications</i> , 2015, 26, 495-506.	5.6	29
21	A parallel metaheuristic data clustering framework for cloud. <i>Journal of Parallel and Distributed Computing</i> , 2018, 116, 39-49.	4.1	28
22	Ant algorithm for modifying an inconsistent pairwise weighting matrix in an analytic hierarchy process. <i>Neural Computing and Applications</i> , 2015, 26, 313-327.	5.6	27
23	A Genetic NewGreedy Algorithm for Influence Maximization in Social Network. , 2015, , .		23
24	A High-Performance Genetic Algorithm: Using Traveling Salesman Problem as a Case. <i>Scientific World Journal</i> , The, 2014, 2014, 1-14.	2.1	21
25	Search Economics: A Solution Space and Computing Resource Aware Search Method. , 2015, , .		18
26	Computational awareness for smart grid: a review. <i>International Journal of Machine Learning and Cybernetics</i> , 2014, 5, 151-163.	3.6	17
27	SEIM: Search economics for influence maximization in online social networks. <i>Future Generation Computer Systems</i> , 2019, 93, 1055-1064.	7.5	14
28	An efficient parallel machine learning-based blockchain framework. <i>ICT Express</i> , 2021, 7, 300-307.	4.8	13
29	A high-performance parallel coral reef optimization for data clustering. <i>Soft Computing</i> , 2019, 23, 9327-9340.	3.6	12
30	An effective hybrid-heuristic algorithm for urban traffic light scheduling. <i>Neural Computing and Applications</i> , 2021, 33, 17535-17549.	5.6	12
31	Data analytics for internet of things: A review. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2018, 8, e1261.	6.8	11
32	An Effective Hyperparameter Optimization Algorithm for DNN to Predict Passengers at a Metro Station. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-24.	4.4	11
33	A High Performance Load Balance Strategy for Real-Time Multicore Systems. <i>Scientific World Journal</i> , The, 2014, 2014, 1-14.	2.1	10
34	Enhancing the Efficiency in Mining Weighted Frequent Itemsets. , 2013, , .		9
35	An Improved Hyper-Heuristic Clustering Algorithm for Wireless Sensor Networks. <i>Mobile Networks and Applications</i> , 2017, 22, 943-958.	3.3	9
36	An Effective IoT Service-to-Interface Assignment Algorithm via Search Economics. <i>IEEE Internet of Things Journal</i> , 2018, 5, 1708-1718.	8.7	9

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37	Incremental particle swarm optimisation for intrusion detection. IET Networks, 2013, 2, 124-130.	1.8	8
38	Cognitive computing for big data systems over internet of things for enterprise information systems. Enterprise Information Systems, 2020, 14, 1233-1237.	4.7	8
39	An Intelligent Web Portal System for Web Information Region Integration. , 0, , .		7
40	A modified multiobjective EA-based clustering algorithm with automatic determination of the number of clusters. , 2012, , .		7
41	A hyper-heuristic clustering algorithm. , 2012, , .		7
42	A non-dominated sorting firefly algorithm for multi-objective optimization. , 2014, , .		7
43	An Effective Simulated Annealing for Influence Maximization Problem of Online Social Networks. Procedia Computer Science, 2017, 113, 478-483.	2.0	7
44	A High Performance Search Algorithm for Job-Shop Scheduling Problem. Procedia Computer Science, 2018, 141, 119-126.	2.0	7
45	A Multiple-Search Multi-Start Framework for Metaheuristics for Clustering Problems. IEEE Access, 2020, 8, 96173-96183.	4.2	7
46	A Document Clustering Approach for Search Engines. , 2006, , .		6
47	A Time efficient Pattern Reduction algorithm for k-means based clustering. , 2007, , .		6
48	A Fast Bee Colony Optimization for Traveling Salesman Problem. , 2012, , .		6
49	Classification algorithms for interactive multimedia services: a review. Multimedia Tools and Applications, 2013, 67, 137-165.	3.9	6
50	A quantum-inspired evolutionary clustering algorithm. , 2013, , .		6
51	Parallel coral reef algorithm for solving JSP on Spark. , 2016, , .		6
52	Rectifying the Inconsistent Fuzzy Preference Matrix in AHP Using a Multi-Objective BicriterionAnt. Neural Processing Letters, 2016, 44, 519-538.	3.2	6
53	An Effective Search Algorithm for Hyper-Dense Deployment Problem of 5G. Procedia Computer Science, 2018, 141, 151-158.	2.0	6
54	A Deep Learning-Based Integrated Algorithm for Misbehavior Detection System in VANETs. , 2021, , .		6

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55	MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION FOR REPAIRING INCONSISTENT COMPARISON MATRICES. International Journal of Computers and Applications, 2014, 36, .	1.3	5
56	A memetic gravitation search algorithm for solving clustering problems. , 2015, , .		5
57	A fast tree-based search algorithm for cluster search engine. , 2009, , .		4
58	Ant colony optimization with dual pheromone tables for clustering. , 2011, , .		4
59	Job shop scheduling based on ACO with a hybrid solution construction strategy. , 2011, , .		4
60	A Brief Introduction to Classification for Smart Grid. , 2013, , .		4
61	Repairing the Inconsistent Fuzzy Preference Matrix Using Multiobjective PSO. Advances in Fuzzy Systems, 2015, 2015, 1-10.	0.9	4
62	A Multiple Pheromone Table Based Ant Colony Optimization for Clustering. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	4
63	A home security system for seniors based on the beacon technology. Concurrency Computation Practice and Experience, 2018, 30, e4496.	2.2	4
64	An Improved Quantum-Inspired Evolutionary Algorithm for Data Clustering. , 2018, , .		4
65	Topic generation for web document summarization. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	3
66	An Automatic Data Clustering Algorithm Based on Differential Evolution. , 2013, , .		3
67	A multiple-search multi-start framework for metaheuristics. , 2014, , .		3
68	Parallel Black Hole Clustering Based on MapReduce. , 2015, , .		3
69	An Effective Metaheuristic Algorithm for Intrusion Detection System. , 2018, , .		3
70	Search Economics for Single-Objective Real-Parameter optimization. , 2020, , .		3
71	Fast genetic algorithm based on pattern reduction. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	2
72	A Time-Efficient Method for Metaheuristics: Using Tabu Search and Tabu GA as a Case. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
73	Energy efficiency based on high performance particle swarm optimization: a case study. Telecommunication Systems, 2013, 52, 1293.	2.5	2
74	Design and Implementation of an Ontology-based Intelligent Project Management System. , 2012, , .		2
75	An improved LGA for protein-ligand docking prediction. , 2012, , .		2
76	An effective metaheuristic algorithm for the deployment problem of edge computing servers. , 2019, , .		2
77	SEHAS: A Novel Metaheuristic Algorithm for Home Appliances Scheduling in Smart Grid. , 2019, , .		2
78	IEEE Access Special Section Editorial: Data Mining for Internet of Things. IEEE Access, 2021, 9, 90418-90427.	4.2	2
79	A Training-free Genetic Neural Architecture Search. , 2021, , .		2
80	Analysis of Multi-path Random Key Pre-distribution for Wireless Sensor Networks. , 2011, , .		1
81	A high performance algorithm for puzzle reconstruction problem. , 2012, , .		1
82	Botnet Topology Reconstruction: A Case Study. , 2012, , .		1
83	Automatic elastic net clustering algorithm. , 2014, , .		1
84	An intelligent robot for home healthcare. , 2015, , .		1
85	A novel clustering algorithm for wireless sensor network based on search economics. , 2017, , .		1
86	A Parallel Elastic Net Clustering Algorithm. , 2018, , .		1
87	A high-performance clustering algorithm based on searched experiences. Computers in Human Behavior, 2019, 100, 231-241.	8.5	1
88	An effective hyper-dense deployment algorithm via search economics. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2251-2262.	4.9	1
89	An Effective Scheduling Algorithm for Wireless Sensor Network with Adjustable Sensing Range. Communications in Computer and Information Science, 2020, , 114-123.	0.5	1
90	Multi-Agent Reinforcement Learning based on Two-Step Neighborhood Experience for Traffic Light Control. , 2021, , .		1

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91	An Effective Adaptive Stacking Ensemble Algorithm for Electricity Theft Detection. , 2021, , .		1
92	Fast VQ codebook generation via Pattern Reduction. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0
93	A semi-supervised support vector machine based algorithm for face recognition. , 2009, , .		0
94	An Ontology-Based Method for Integrating Heterogeneous Itembanks. , 2009, , .		0
95	Lecture concepts based item classification for remedial. , 2011, , .		0
96	A Sparse Clustering Model of Wireless Communication Networks. , 2012, , .		0
97	An efficient local search for grid scheduling problem in learning system. , 2012, , .		0
98	Mining fuzzy frequent itemsets by projection techniques. , 2013, , .		0
99	An Efficient Coral Reef Optimization with Substrate Layers for Clustering Problem on Spark. , 2018, , .		0
100	An Effective Deep Learning Framework for Detecting Misconduct of the Trucker. , 2019, , .		0
101	An Effective Feature Extraction Mechanism for Intrusion Detection System. IEICE Transactions on Information and Systems, 2021, E104.D, 1814-1827.	0.7	0
102	An Effective Algorithm based on Search Economics for Multi-Objective Optimization. , 2020, , .		0
103	An Effective Optimizer based on Global and Local Searched Experiences for Short-term Electricity Consumption Forecasting. , 2020, , .		0
104	An Effective Multi-Swarm Algorithm for Optimizing Hyperparameters of DNN. , 2020, , .		0
105	An Effective Neural Architecture Optimization Algorithm for CNN based on Search Economics. , 2021, , .		0
106	Search Economics for Multi-Objective Vehicle Routing Problem with Time Windows. , 2021, , .		0