

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	IEEE Access Special Section Editorial: Data Mining for Internet of Things. IEEE Access, 2021, 9, 90418-90427.	4.2	2
2	An Effective Hyperparameter Optimization Algorithm for DNN to Predict Passengers at a Metro Station. ACM Transactions on Internet Technology, 2021, 21, 1-24.	4.4	11
3	An effective hybrid-heuristic algorithm for urban traffic light scheduling. Neural Computing and Applications, 2021, 33, 17535-17549.	5.6	12
4	An efficient parallel machine learning-based blockchain framework. ICT Express, 2021, 7, 300-307.	4.8	13
5	An Effective Feature Extraction Mechanism for Intrusion Detection System. IEICE Transactions on Information and Systems, 2021, E104.D, 1814-1827.	0.7	0
6	A Deep Learning-Based Integrated Algorithm for Misbehavior Detection System in VANETs. , 2021, , .		6
7	Multi-Agent Reinforcement Learning based on Two-Step Neighborhood Experience for Traffic Light Control. , 2021, , .		1
8	An Effective Neural Architecture Optimization Algorithm for CNN based on Search Economics. , 2021, , .		0
9	An Effective Adaptive Stacking Ensemble Algorithm for Electricity Theft Detection. , 2021, , .		1
10	A Training-free Genetic Neural Architecture Search. , 2021, , .		2
11	Search Economics for Multi-Objective Vehicle Routing Problem with Time Windows. , 2021, , .		0
12	An effective hyper-dense deployment algorithm via search economics. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2251-2262.	4.9	1
13	Search Economics for Single-Objective Real-Parameter optimization. , 2020, , .		3
14	Cognitive computing for big data systems over internet of things for enterprise information systems. Enterprise Information Systems, 2020, 14, 1233-1237.	4.7	8
15	A Multiple-Search Multi-Start Framework for Metaheuristics for Clustering Problems. IEEE Access, 2020, 8, 96173-96183.	4.2	7
16	Optimizing hyperparameters of deep learning in predicting bus passengers based on simulated annealing. Applied Soft Computing Journal, 2020, 88, 106068.	7.2	45
17	An Effective Scheduling Algorithm for Wireless Sensor Network with Adjustable Sensing Range. Communications in Computer and Information Science, 2020, , 114-123.	0.5	1
18	An Effective Algorithm based on Search Economics for Multi-Objective Optimization. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	An Effective Optimizer based on Global and Local Searched Experiences for Short-term Electricity Consumption Forecasting. , 2020, , .		0
20	An Effective Multi-Swarm Algorithm for Optimizing Hyperparameters of DNN. , 2020, , .		0
21	An Effective Deep Learning Framework for Detecting Misconduct of the Trucker. , 2019, , .		0
22	A high-performance parallel coral reef optimization for data clustering. Soft Computing, 2019, 23, 9327-9340.	3.6	12
23	An effective metaheuristic algorithm for the deployment problem of edge computing servers. , 2019, , .		2
24	SEHAS: A Novel Metaheuristic Algorithm for Home Appliances Scheduling in Smart Grid. , 2019, , .		2
25	A high-performance clustering algorithm based on searched experiences. Computers in Human Behavior, 2019, 100, 231-241.	8.5	1
26	SEIM: Search economics for influence maximization in online social networks. Future Generation Computer Systems, 2019, 93, 1055-1064.	7.5	14
27	Network Monitoring in Software-Defined Networking: A Review. IEEE Systems Journal, 2018, 12, 3958-3969.	4.6	96
28	An Effective IoT Service-to-Interface Assignment Algorithm via Search Economics. IEEE Internet of Things Journal, 2018, 5, 1708-1718.	8.7	9
29	Data analytics for internet of things: A review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1261.	6.8	11
30	A home security system for seniors based on the beacon technology. Concurrency Computation Practice and Experience, 2018, 30, e4496.	2.2	4
31	SEIRA: An effective algorithm for IoT resource allocation problem. Computer Communications, 2018, 119, 156-166.	5.1	34
32	A parallel metaheuristic data clustering framework for cloud. Journal of Parallel and Distributed Computing, 2018, 116, 39-49.	4.1	28
33	An Efficient Coral Reef Optimization with Substrate Layers for Clustering Problem on Spark. , 2018, , .		0
34	An Improved Quantum-Inspired Evolutionary Algorithm for Data Clustering. , 2018, , .		4
35	A High Performance Search Algorithm for Job-Shop Scheduling Problem. Procedia Computer Science, 2018, 141, 119-126.	2.0	7
36	An Effective Search Algorithm for Hyper-Dense Deployment Problem of 5G. Procedia Computer Science, 2018, 141, 151-158.	2.0	6

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37	A Parallel Elastic Net Clustering Algorithm. , 2018, , .		1
38	An Effective Metaheuristic Algorithm for Intrusion Detection System. , 2018, , .		3
39	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
40	Health-CPS: Healthcare Cyber-Physical System Assisted by Cloud and Big Data. IEEE Systems Journal, 2017, 11, 88-95.	4.6	657
41	An Improved Hyper-Heuristic Clustering Algorithm for Wireless Sensor Networks. Mobile Networks and Applications, 2017, 22, 943-958.	3.3	9
42	An Effective Simulated Annealing for Influence Maximization Problem of Online Social Networks. Procedia Computer Science, 2017, 113, 478-483.	2.0	7
43	A novel clustering algorithm for wireless sensor network based on search economics. , 2017, , .		1
44	Parallel coral reef algorithm for solving JSP on Spark. , 2016, , .		6
45	Metaheuristics for the Lifetime of WSN: A Review. IEEE Sensors Journal, 2016, 16, 2812-2831.	4.7	62
46	Metaheuristic Algorithms for Healthcare: Open Issues and Challenges. Computers and Electrical Engineering, 2016, 53, 421-434.	4.8	50
47	An effective WSN deployment algorithm via search economics. Computer Networks, 2016, 101, 178-191.	5.1	32
48	Rectifying the Inconsistent Fuzzy Preference Matrix in AHP Using a Multi-Objective Bicriterion Ant. Neural Processing Letters, 2016, 44, 519-538.	3.2	6
49	Repairing the Inconsistent Fuzzy Preference Matrix Using Multiobjective PSO. Advances in Fuzzy Systems, 2015, 2015, 1-10.	0.9	4
50	A Multiple Pheromone Table Based Ant Colony Optimization for Clustering. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	4
51	Search Economics: A Solution Space and Computing Resource Aware Search Method. , 2015, , .		18
52	A memetic gravitation search algorithm for solving clustering problems. , 2015, , .		5
53	Metaheuristics for the deployment of 5G. IEEE Wireless Communications, 2015, 22, 40-46.	9.0	41
54	Parallel Black Hole Clustering Based on MapReduce. , 2015, , .		3

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55	A Genetic NewGreedy Algorithm for Influence Maximization in Social Network. , 2015, , .		23
56	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
57	An intelligent robot for home healthcare. , 2015, , .		1
58	Metaheuristics for the deployment problem of WSN: A review. Microprocessors and Microsystems, 2015, 39, 1305-1317.	2.8	59
59	A fast particle swarm optimization for clustering. Soft Computing, 2015, 19, 321-338.	3.6	33
60	A memetic particle swarm optimization algorithm for solving the DNA fragment assembly problem. Neural Computing and Applications, 2015, 26, 495-506.	5.6	29
61	Ant algorithm for modifying an inconsistent pairwise weighting matrix in an analytic hierarchy process. Neural Computing and Applications, 2015, 26, 313-327.	5.6	27
62	A High Performance Load Balance Strategy for Real-Time Multicore Systems. Scientific World Journal, The, 2014, 2014, 1-14.	2.1	10
63	A High-Performance Genetic Algorithm: Using Traveling Salesman Problem as a Case. Scientific World Journal, The, 2014, 2014, 1-14.	2.1	21
64	Automatic elastic net clustering algorithm. , 2014, , .		1
65	MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION FOR REPAIRING INCONSISTENT COMPARISON MATRICES. International Journal of Computers and Applications, 2014, 36, .	1.3	5
66	A multiple-search multi-start framework for metaheuristics. , 2014, , .		3
67	A non-dominated sorting firefly algorithm for multi-objective optimization. , 2014, , .		7
68	Metaheuristic Scheduling for Cloud: A Survey. IEEE Systems Journal, 2014, 8, 279-291.	4.6	197
69	Computational awareness for smart grid: a review. International Journal of Machine Learning and Cybernetics, 2014, 5, 151-163.	3.6	17
70	Future Internet of Things: open issues and challenges. Wireless Networks, 2014, 20, 2201-2217.	3.0	214
71	A Hyper-Heuristic Scheduling Algorithm for Cloud. IEEE Transactions on Cloud Computing, 2014, 2, 236-250.	4.4	159
72	Data Mining for Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 77-97.	39.4	504

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73	Energy efficiency based on high performance particle swarm optimization: a case study. Telecommunication Systems, 2013, 52, 1293.	2.5	2
74	Classification algorithms for interactive multimedia services: a review. Multimedia Tools and Applications, 2013, 67, 137-165.	3.9	6
75	A quantum-inspired evolutionary clustering algorithm. , 2013, , .		6
76	Mining fuzzy frequent itemsets by projection techniques. , 2013, , .		0
77	A Brief Introduction to Classification for Smart Grid. , 2013, , .		4
78	Enhancing the Efficiency in Mining Weighted Frequent Itemsets. , 2013, , .		9
79	An Automatic Data Clustering Algorithm Based on Differential Evolution. , 2013, , .		3
80	Incremental particle swarm optimisation for intrusion detection. IET Networks, 2013, 2, 124-130.	1.8	8
81	A Sparse Clustering Model of Wireless Communication Networks. , 2012, , .		0
82	A modified multiobjective EA-based clustering algorithm with automatic determination of the number of clusters. , 2012, , .		7
83	An efficient local search for grid scheduling problem in learning system. , 2012, , .		0
84	A hyper-heuristic clustering algorithm. , 2012, , .		7
85	A high performance algorithm for puzzle reconstruction problem. , 2012, , .		1
86	Design and Implementation of an Ontology-based Intelligent Project Management System. , 2012, , .		2
87	An improved LGA for protein-ligand docking prediction. , 2012, , .		2
88	Botnet Topology Reconstruction: A Case Study. , 2012, , .		1
89	A Fast Bee Colony Optimization for Traveling Salesman Problem. , 2012, , .		6
90	Lecture concepts based item classification for remedial. , 2011, , .		0

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91	Analysis of Multi-path Random Key Pre-distribution for Wireless Sensor Networks. , 2011, , .		1
92	Ant colony optimization with dual pheromone tables for clustering. , 2011, , .		4
93	A time-efficient pattern reduction algorithm for k-means clustering. Information Sciences, 2011, 181, 716-731.	6.9	82
94	Job shop scheduling based on ACO with a hybrid solution construction strategy. , 2011, , .		4
95	A semi-supervised support vector machine based algorithm for face recognition. , 2009, , .		0
96	An Ontology-Based Method for Integrating Heterogeneous Itembanks. , 2009, , .		0
97	A fast tree-based search algorithm for cluster search engine. , 2009, , .		4
98	A Time-Efficient Method for Metaheuristics: Using Tabu Search and Tabu GA as a Case. , 2009, , .		2
99	A fast VQ codebook generation algorithm via pattern reduction. Pattern Recognition Letters, 2009, 30, 653-660.	4.2	40
100	Fast VQ codebook generation via Pattern Reduction. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0
101	Fast genetic algorithm based on pattern reduction. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	2
102	Topic generation for web document summarization. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	3
103	A Time efficient Pattern Reduction algorithm for k-means based clustering. , 2007, , .		6
104	A Document Clustering Approach for Search Engines. , 2006, , .		6
105	ACODF: a novel data clustering approach for data mining in large databases. Journal of Systems and Software, 2004, 73, 133-145.	4.5	71
106	An Intelligent Web Portal System for Web Information Region Integration. , 0, , .		7