

Andy Song

List of Publications by Year in descending order

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76
papers

1,082
citations

687220

13
h-index

477173

29
g-index

86
all docs

86
docs citations

86
times ranked

1013
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient agglomerative hierarchical clustering. Expert Systems With Applications, 2015, 42, 2785-2797.	4.4	273
2	Privacy Protection for Wireless Medical Sensor Data. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 369-380.	3.7	70
3	Two-Tier genetic programming: towards raw pixel-based image classification. Expert Systems With Applications, 2012, 39, 12291-12301.	4.4	64
4	A self-adaptive evolutionary algorithm for dynamic vehicle routing problems with traffic congestion. Swarm and Evolutionary Computation, 2019, 44, 1018-1027.	4.5	63
5	Clustering Big Spatiotemporal-Interval Data. IEEE Transactions on Big Data, 2016, 2, 190-203.	4.4	43
6	Texture Segmentation by Genetic Programming. Evolutionary Computation, 2008, 16, 461-481.	2.3	39
7	A Bi-objective Hyper-Heuristic Support Vector Machines for Big Data Cyber-Security. IEEE Access, 2018, 6, 10421-10431.	2.6	33
8	An Adaptive Memetic Approach for Heterogeneous Vehicle Routing Problems with two-dimensional loading constraints. Swarm and Evolutionary Computation, 2020, 58, 100730.	4.5	31
9	Extracting image features for classification by two-tier genetic programming. , 2012, , .		23
10	An evolutionary hyper-heuristic to optimise deep belief networks for image reconstruction. Applied Soft Computing Journal, 2020, 97, 105510.	4.1	22
11	Hyper-heuristic local search for combinatorial optimisation problems. Knowledge-Based Systems, 2020, 205, 106264.	4.0	22
12	A Bi-Level Optimization Model for Grouping Constrained Storage Location Assignment Problems. IEEE Transactions on Cybernetics, 2018, 48, 385-398.	6.2	21
13	Towards Genetic Programming for Texture Classification. Lecture Notes in Computer Science, 2001, , 461-472.	1.0	20
14	A genetic programming-based hyper-heuristic approach for storage location assignment problem. , 2014, , .		18
15	A math-hyper-heuristic approach for large-scale vehicle routing problems with time windows. , 2015, , .		18
16	Genetic programming for detecting target motions. Connection Science, 2012, 24, 117-141.	1.8	16
17	Event detection in time series by genetic programming. , 2012, , .		14
18	Saliency Preservation in Low-Resolution Grayscale Images. Lecture Notes in Computer Science, 2018, , 237-254.	1.0	14

#	ARTICLE	IF	CITATIONS
19	Detecting motion from noisy scenes using Genetic Programming. , 2009, , .		13
20	Detecting PCB component placement defects by genetic programming. , 2013, , .		13
21	Robust method of detecting moving objects in videos evolved by genetic programming. , 2008, , .		12
22	A Variable Local Search Based Memetic Algorithm for the Load Balancing Problem in Cloud Computing. Lecture Notes in Computer Science, 2016, , 267-282.	1.0	12
23	Study of GP representations for motion detection with unstable background. , 2010, , .		10
24	Grammatical Evolution Enhancing Simulated Annealing for the Load Balancing Problem in Cloud Computing. , 2016, , .		10
25	Optimising Deep Belief Networks by hyper-heuristic approach. , 2017, , .		10
26	Selective motion detection by Genetic Programming. , 2011, , .		8
27	An Evolutionary Simulating Annealing Algorithm for Google Machine Reassignment Problem. Proceedings in Adaptation, Learning and Optimization, 2017, , 431-442.	1.5	8
28	Objective Reduction Using Objective Sampling and Affinity Propagation for Many-Objective Optimization Problems. IEEE Access, 2019, 7, 68392-68403.	2.6	8
29	A multi-population memetic algorithm for dynamic shortest path routing in mobile ad-hoc networks. , 2016, , .		7
30	A Verifiable Ranked Choice Internet Voting System. Lecture Notes in Computer Science, 2017, , 490-501.	1.0	7
31	Automated Shape Design by Grammatical Evolution. Lecture Notes in Computer Science, 2017, , 217-229.	1.0	7
32	Contribution based bloat control in Genetic Programming. , 2010, , .		6
33	Understanding of GP-Evolved Motion Detectors. IEEE Computational Intelligence Magazine, 2013, 8, 46-55.	3.4	6
34	Evolving PCB visual inspection programs using genetic programming. , 2013, , .		6
35	Hybridisation of Genetic Programming and Nearest Neighbour for classification. , 2013, , .		6
36	Genetic programming based activity recognition on a smartphone sensory data benchmark. , 2014, , .		6

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37	A Memetic Algorithm for Dynamic Shortest Path Routing on Mobile Ad-hoc Networks. , 2015, , .		6
38	A Multi-memory Multi-population Memetic Algorithm for Dynamic Shortest Path Routing in Mobile Ad-hoc Networks. Lecture Notes in Computer Science, 2016, , 406-418.	1.0	6
39	Optimising Deep Learning by Hyper-heuristic Approach for Classifying Good Quality Images. Lecture Notes in Computer Science, 2018, , 528-539.	1.0	6
40	Bloat control in genetic programming by evaluating contribution of nodes. , 2009, , .		5
41	Rice leaf detection with genetic programming. , 2013, , .		5
42	Neighbourhood Analysis: A Case Study on Google Machine Reassignment Problem. Lecture Notes in Computer Science, 2017, , 228-237.	1.0	5
43	Cooperative evolutionary heterogeneous simulated annealing algorithm for google machine reassignment problem. Genetic Programming and Evolvable Machines, 2018, 19, 183-210.	1.5	5
44	Scaling Up Solutions to Storage Location Assignment Problems by Genetic Programming. Lecture Notes in Computer Science, 2014, , 691-702.	1.0	5
45	Transfer Learning for Leisure Centre Energy Consumption Prediction. Lecture Notes in Computer Science, 2019, , 112-123.	1.0	5
46	Motion detection in complex environments by genetic programming. , 2009, , .		4
47	Evolving Self-Adaptive Tabu Search Algorithm for Storage Location Assignment Problems. , 2015, , .		4
48	Dual Population Genetic Algorithm for the Cardinality Constrained Portfolio Selection Problem. Lecture Notes in Computer Science, 2014, , 703-712.	1.0	4
49	Phone based fall detection by genetic programming. , 2014, , .		3
50	A restricted neighbourhood Tabu Search for Storage Location Assignment Problem. , 2015, , .		3
51	Evolutionary Learning Based Iterated Local Search for Google Machine Reassignment Problems. Lecture Notes in Computer Science, 2017, , 409-421.	1.0	3
52	A Study on Online Hyper-heuristic Learning for Swarm Robots. , 2019, , .		3
53	Towards Image Retrieval by Texture Segmentation with Genetic Programming. , 2007, , .		2
54	Fast video analysis by genetic programming. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
55	Evolving automatic frame splitters. , 2011, , .		2
56	Evolving Genetic Programming classifiers with loop structures. , 2012, , .		2
57	Analysis of motion detectors evolved by Genetic Programming. , 2012, , .		2
58	Multi-neighbourhood Great Deluge for Google Machine Reassignment Problem. Lecture Notes in Computer Science, 2017, , 706-715.	1.0	2
59	MoParkeR : Multi-objective Parking Recommendation. , 2021, , .		2
60	Deep Learning Assisted Memetic Algorithm for Shortest Route Problems. Lecture Notes in Computer Science, 2020, , 109-121.	1.0	2
61	Human Action Recognition from Multi-Sensor Stream Data by Genetic Programming. Lecture Notes in Computer Science, 2013, , 418-427.	1.0	2
62	Sensor-based activity recognition with improved GP-based classifier. , 2013, , .		1
63	A Model Predictive Controller for Contention-Aware Resource Allocation in Virtualized Data Centers. , 2016, , .		1
64	Learning patterns of states from multi-channel time series using genetic programming. Soft Computing, 2016, 20, 3915-3925.	2.1	1
65	A genetic programming based iterated local search for software project scheduling. , 2018, , .		1
66	Adaptive Multi-optimiser Cooperative Co-evolution for Large-Scale Optimisation. , 2019, , .		1
67	Improving Deep Object Detection Backbone with Feature Layers. Lecture Notes in Computer Science, 2021, , 91-105.	1.0	1
68	Learning Motion Detectors by Genetic Programming. Lecture Notes in Computer Science, 2009, , 160-169.	1.0	1
69	Vision system development by machine learning: Mashing assessment in brewing. Applied Artificial Intelligence, 2001, 15, 777-795.	2.0	0
70	Waveguide optimization via evolutionary algorithms. , 2011, , .		0
71	Evolving frame splitters by Genetic Programming. , 2012, , .		0
72	Towards scene text recognition with genetic programming. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
73	Selected Papers from the 8th International Conference on Computational Intelligence and Security (CIS2012). Mathematical Problems in Engineering, 2013, 2013, 1-2.	0.6	0
74	Activity recognition by smartphone based multi-channel sensors with genetic programming. , 2013, , .		0
75	Genetic Programming for Channel Selection from Multi-stream Sensor Data with Application on Learning Risky Driving Behaviours. Lecture Notes in Computer Science, 2014, , 542-553.	1.0	0
76	Dynamic Re-ranking with Deep Features Fusion for Person Re-identification. Lecture Notes in Computer Science, 2019, , 201-213.	1.0	0