

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	Improving Deep Object Detection Backbone with Feature Layers. Lecture Notes in Computer Science, 2021, , 91-105.	1.0	1
2	MoParkeR : Multi-objective Parking Recommendation. , 2021, , .		2
3	An evolutionary hyper-heuristic to optimise deep belief networks for image reconstruction. Applied Soft Computing Journal, 2020, 97, 105510.	4.1	22
4	Hyper-heuristic local search for combinatorial optimisation problems. Knowledge-Based Systems, 2020, 205, 106264.	4.0	22
5	An Adaptive Memetic Approach for Heterogeneous Vehicle Routing Problems with two-dimensional loading constraints. Swarm and Evolutionary Computation, 2020, 58, 100730.	4.5	31
6	Deep Learning Assisted Memetic Algorithm for Shortest Route Problems. Lecture Notes in Computer Science, 2020, , 109-121.	1.0	2
7	Adaptive Multi-optimiser Cooperative Co-evolution for Large-Scale Optimisation. , 2019, , .		1
8	A Study on Online Hyper-heuristic Learning for Swarm Robots. , 2019, , .		3
9	Objective Reduction Using Objective Sampling and Affinity Propagation for Many-Objective Optimization Problems. IEEE Access, 2019, 7, 68392-68403.	2.6	8
10	A self-adaptive evolutionary algorithm for dynamic vehicle routing problems with traffic congestion. Swarm and Evolutionary Computation, 2019, 44, 1018-1027.	4.5	63
11	Transfer Learning for Leisure Centre Energy Consumption Prediction. Lecture Notes in Computer Science, 2019, , 112-123.	1.0	5
12	Dynamic Re-ranking with Deep Features Fusion for Person Re-identification. Lecture Notes in Computer Science, 2019, , 201-213.	1.0	0
13	A Bi-objective Hyper-Heuristic Support Vector Machines for Big Data Cyber-Security. IEEE Access, 2018, 6, 10421-10431.	2.6	33
14	A Bi-Level Optimization Model for Grouping Constrained Storage Location Assignment Problems. IEEE Transactions on Cybernetics, 2018, 48, 385-398.	6.2	21
15	Cooperative evolutionary heterogeneous simulated annealing algorithm for google machine reassignment problem. Genetic Programming and Evolvable Machines, 2018, 19, 183-210.	1.5	5
16	A genetic programming based iterated local search for software project scheduling. , 2018, , .		1
17	Optimising Deep Learning by Hyper-heuristic Approach for Classifying Good Quality Images. Lecture Notes in Computer Science, 2018, , 528-539.	1.0	6
18	Saliency Preservation in Low-Resolution Grayscale Images. Lecture Notes in Computer Science, 2018, , 237-254.	1.0	14

#	ARTICLE	IF	CITATIONS
19	Neighbourhood Analysis: A Case Study on Google Machine Reassignment Problem. Lecture Notes in Computer Science, 2017, , 228-237.	1.0	5
20	A Verifiable Ranked Choice Internet Voting System. Lecture Notes in Computer Science, 2017, , 490-501.	1.0	7
21	Evolutionary Learning Based Iterated Local Search for Google Machine Reassignment Problems. Lecture Notes in Computer Science, 2017, , 409-421.	1.0	3
22	Multi-neighbourhood Great Deluge for Google Machine Reassignment Problem. Lecture Notes in Computer Science, 2017, , 706-715.	1.0	2
23	Optimising Deep Belief Networks by hyper-heuristic approach. , 2017, , .		10
24	An Evolutionary Simulating Annealing Algorithm for Google Machine Reassignment Problem. Proceedings in Adaptation, Learning and Optimization, 2017, , 431-442.	1.5	8
25	Automated Shape Design by Grammatical Evolution. Lecture Notes in Computer Science, 2017, , 217-229.	1.0	7
26	A Model Predictive Controller for Contention-Aware Resource Allocation in Virtualized Data Centers. , 2016, , .		1
27	A multi-population memetic algorithm for dynamic shortest path routing in mobile ad-hoc networks. , 2016, , .		7
28	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
29	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
30	Grammatical Evolution Enhancing Simulated Annealing for the Load Balancing Problem in Cloud Computing. , 2016, , .		10
31	Clustering Big Spatiotemporal-Interval Data. IEEE Transactions on Big Data, 2016, 2, 190-203.	4.4	43
32	Learning patterns of states from multi-channel time series using genetic programming. Soft Computing, 2016, 20, 3915-3925.	2.1	1
33	Privacy Protection for Wireless Medical Sensor Data. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 369-380.	3.7	70
34	A Memetic Algorithm for Dynamic Shortest Path Routing on Mobile Ad-hoc Networks. , 2015, , .		6
35	A math-hyper-heuristic approach for large-scale vehicle routing problems with time windows. , 2015, , .		18
36	Evolving Self-Adaptive Tabu Search Algorithm for Storage Location Assignment Problems. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
37	A restricted neighbourhood Tabu Search for Storage Location Assignment Problem. , 2015, , .		3
38	Efficient agglomerative hierarchical clustering. Expert Systems With Applications, 2015, 42, 2785-2797.	4.4	273
39	Phone based fall detection by genetic programming. , 2014, , .		3
40	Genetic programming based activity recognition on a smartphone sensory data benchmark. , 2014, , .		6
41	A genetic programming-based hyper-heuristic approach for storage location assignment problem. , 2014, , .		18
42	Scaling Up Solutions to Storage Location Assignment Problems by Genetic Programming. Lecture Notes in Computer Science, 2014, , 691-702.	1.0	5
43	Dual Population Genetic Algorithm for the Cardinality Constrained Portfolio Selection Problem. Lecture Notes in Computer Science, 2014, , 703-712.	1.0	4
44	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
45	Understanding of GP-Evolved Motion Detectors. IEEE Computational Intelligence Magazine, 2013, 8, 46-55.	3.4	6
46	Rice leaf detection with genetic programming. , 2013, , .		5
47	Evolving PCB visual inspection programs using genetic programming. , 2013, , .		6
48	Hybridisation of Genetic Programming and Nearest Neighbour for classification. , 2013, , .		6
49	Towards scene text recognition with genetic programming. , 2013, , .		0
50	Selected Papers from the 8th International Conference on Computational Intelligence and Security (CIS2012). Mathematical Problems in Engineering, 2013, 2013, 1-2.	0.6	0
51	Activity recognition by smartphone based multi-channel sensors with genetic programming. , 2013, , .		0
52	Sensor-based activity recognition with improved GP-based classifier. , 2013, , .		1
53	Detecting PCB component placement defects by genetic programming. , 2013, , .		13
54	Human Action Recognition from Multi-Sensor Stream Data by Genetic Programming. Lecture Notes in Computer Science, 2013, , 418-427.	1.0	2

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55	Genetic programming for detecting target motions. Connection Science, 2012, 24, 117-141.	1.8	16
56	Evolving Genetic Programming classifiers with loop structures. , 2012, , .		2
57	Evolving frame splitters by Genetic Programming. , 2012, , .		0
58	Analysis of motion detectors evolved by Genetic Programming. , 2012, , .		2
59	Event detection in time series by genetic programming. , 2012, , .		14
60	Two-Tier genetic programming: towards raw pixel-based image classification. Expert Systems With Applications, 2012, 39, 12291-12301.	4.4	64
61	Extracting image features for classification by two-tier genetic programming. , 2012, , .		23
62	Selective motion detection by Genetic Programming. , 2011, , .		8
63	Waveguide optimization via evolutionary algorithms. , 2011, , .		0
64	Evolving automatic frame splitters. , 2011, , .		2
65	Contribution based bloat control in Genetic Programming. , 2010, , .		6
66	Study of GP representations for motion detection with unstable background. , 2010, , .		10
67	Bloat control in genetic programming by evaluating contribution of nodes. , 2009, , .		5
68	Motion detection in complex environments by genetic programming. , 2009, , .		4
69	Detecting motion from noisy scenes using Genetic Programming. , 2009, , .		13
70	Learning Motion Detectors by Genetic Programming. Lecture Notes in Computer Science, 2009, , 160-169.	1.0	1
71	Texture Segmentation by Genetic Programming. Evolutionary Computation, 2008, 16, 461-481.	2.3	39
72	Fast video analysis by genetic programming. , 2008, , .		2

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73	Robust method of detecting moving objects in videos evolved by genetic programming. , 2008, , .		12
74	Towards Image Retrieval by Texture Segmentation with Genetic Programming. , 2007, , .		2
75	Vision system development by machine learning: Mashing assessment in brewing. Applied Artificial Intelligence, 2001, 15, 777-795.	2.0	0
76	Towards Genetic Programming for Texture Classification. Lecture Notes in Computer Science, 2001, , 461-472.	1.0	20