Harith Al-Sahaf

List of Publications by Year
in descending order

50 papers	820 citations	759233 12 h-index	580821 25 g-index
68 all docs	68 docs citations	68 times ranked	416 citing authors

#	Article	IF	Citations
1	A Survey on Cyber Situation-awareness Systems: Framework, Techniques, and Insights. ACM Computing Surveys, 2023, 55, 1-37.	23.0	14
2	Automatically Diagnosing Skin Cancers From Multimodality Images Using Two-Stage Genetic Programming. IEEE Transactions on Cybernetics, 2023, 53, 2727-2740.	9.5	5
3	Autoencoder-based feature construction for IoT attacks clustering. Future Generation Computer Systems, 2022, 127, 487-502.	7.5	14
4	Genetic programming for automatic skin cancer image classification. Expert Systems With Applications, 2022, 197, 116680.	7.6	14
5	Generating Knowledge-Guided Discriminative Features Using Genetic Programming for Melanoma Detection. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 554-569.	4.9	27
6	Automatically Evolving Texture Image Descriptors Using the Multitree Representation in Genetic Programming Using Few Instances. Evolutionary Computation, 2021, 29, 331-366.	3.0	2
7	An automatic feature construction method for salient object detection: A genetic programming approach. Expert Systems With Applications, 2021, 186, 115726.	7.6	9
8	Automated Behavior-based Malice Scoring of Ransomware Using Genetic Programming. , 2021, , .		2
9	A Fitness-based Selection Method for Pareto Local Search for Many-Objective Job Shop Scheduling. , 2020, , .		5
10	Particle Swarm Optimization: A Wrapper-Based Feature Selection Method for Ransomware Detection and Classification. Lecture Notes in Computer Science, 2020, , 181-196.	1.3	7
11	A genetic programming approach to feature construction for ensemble learning in skin cancer detection. , 2020, , .		10
12	IoT Attacks: Features Identification and Clustering. , 2020, , .		2
13	Salient Motion Features for Visual Attention Models. , 2020, , .		0
14	A genetic programming approach to feature selection and construction for ransomware, phishing and spam detection. , 2019, , .		3
15	Transfer learning. , 2019, , .		9
16	Multi-tree Genetic Programming with A New Fitness Function for Melanoma Detection. , 2019, , .		0
17	Genetic Programming for Feature Selection and Feature Combination in Salient Object Detection. Lecture Notes in Computer Science, 2019, , 308-324.	1.3	2
18	A survey on evolutionary machine learning. Journal of the Royal Society of New Zealand, 2019, 49, 205-228.	1.9	159

#	Article	IF	Citations
19	Genetic programming with transfer learning for texture image classification. Soft Computing, 2019, 23, 12859-12871.	3.6	7
20	Genetic Programming for Multiple Feature Construction in Skin Cancer Image Classification. , 2019, , .		4
21	Modelling and Prediction of Resource Utilization of Hadoop Clusters. , 2019, , .		6
22	Genetic Programming with Pareto Local Search for Many-Objective Job Shop Scheduling. Lecture Notes in Computer Science, 2019, , 536-548.	1.3	4
23	An Investigation of Hadoop Parameters in SDN-enabled Clusters. , 2018, , .		0
24	A Comparison of RGB and HSV Colour Spaces for Visual Attention Models. , 2018, , .		18
25	Foreground and Background Feature Fusion Using a Convex Hull Based Center Prior for Salient Object Detection. , 2018, , .		3
26	Evolutionary Deep Learning: A Genetic Programming Approach to Image Classification. , 2018, , .		30
27	Genetic Programming for Feature Selection and Feature Construction inÂSkin Cancer Image Classification. Lecture Notes in Computer Science, 2018, , 732-745.	1.3	18
28	A Multi-tree Genetic Programming Representation for Melanoma Detection Using Local and Global Features. Lecture Notes in Computer Science, 2018, , 111-123.	1.3	7
29	Cross-Domain Reuse of Extracted Knowledge in Genetic Programming for Image Classification. IEEE Transactions on Evolutionary Computation, 2017, 21, 569-587.	10.0	86
30	Keypoints Detection and Feature Extraction: A Dynamic Genetic Programming Approach for Evolving Rotation-Invariant Texture Image Descriptors. IEEE Transactions on Evolutionary Computation, 2017, 21, 825-844.	10.0	56
31	Evolving texture image descriptors using a multitree genetic programming representation. , 2017, , .		1
32	A Multitree Genetic Programming Representation for Automatically Evolving Texture Image Descriptors. Lecture Notes in Computer Science, 2017, , 499-511.	1.3	8
33	Common subtrees in related problems: A novel transfer learning approach for genetic programming. , 2017, , .		31
34	Genetic programming for skin cancer detection in dermoscopic images. , 2017, , .		8
35	A supervised feature weighting method for salient object detection using particle swarm optimization. , 2017, , .		6
36	Genetic Programming for Region Detection, Feature Extraction, Feature Construction and Classification in Image Data. Lecture Notes in Computer Science, 2016, , 51-67.	1.3	34

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37	Automatically Evolving Rotation-invariant Texture Image Descriptors by Genetic Programming. IEEE Transactions on Evolutionary Computation, 2016, , 1-1.	10.0	25
38	Binary Image Classification: A Genetic Programming Approach to the Problem of Limited Training Instances. Evolutionary Computation, 2016, 24, 143-182.	3.0	17
39	A hybrid Genetic Programming approach to feature detection and image classification. , 2015, , .		4
40	Evolutionary Image Descriptor. , 2015, , .		2
41	Genetic programming for algae detection in river images. , 2015, , .		3
42	Image descriptor: A genetic programming approach to multiclass texture classification. , 2015, , .		30
43	Genetic Programming for Multiclass Texture Classification Using a Small Number of Instances. Lecture Notes in Computer Science, 2014, , 335-346.	1.3	11
44	Genetic Programming Evolved Filters from a Small Number of Instances for Multiclass Texture Classification. , 2014, , .		4
45	Binary image classification using genetic programming based on local binary patterns. , 2013, , .		5
46	Hybridisation of Genetic Programming and Nearest Neighbour for classification. , 2013, , .		6
47	A One-Shot Learning Approach to Image Classification Using Genetic Programming. Lecture Notes in Computer Science, 2013, , 110-122.	1.3	3
48	Two-Tier genetic programming: towards raw pixel-based image classification. Expert Systems With Applications, 2012, 39, 12291-12301.	7.6	64
49	Extracting image features for classification by two-tier genetic programming. , 2012, , .		23
50	Automatic feature extraction and image classification using genetic programming. , 2011, , .		6