Mariette Awad

List of Publications by Year
in descending order

92 papers	1,952 citations	687363 13 h-index	330143 37 g-index
93 all docs	93 docs citations	93 times ranked	2189 citing authors

#	Article	IF	Citations
1	Recent Advances in Indoor Localization: A Survey on Theoretical Approaches and Applications. IEEE Communications Surveys and Tutorials, 2017, 19, 1327-1346.	39.4	638
2	Efficient Learning Machines. , 2015, , .		357
3	Cooperative Heterogeneous Multi-Robot Systems. ACM Computing Surveys, 2020, 52, 1-31.	23.0	188
4	Decision Making in Multiagent Systems: A Survey. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 514-529.	3.8	122
5	Anytime multipurpose emotion recognition from EEG data using a Liquid State Machine based framework. Artificial Intelligence in Medicine, 2018, 86, 1-8.	6.5	49
6	MOSAIC: Simultaneous Localization and Environment Mapping Using mmWave Without A-Priori Knowledge. IEEE Access, 2018, 6, 68932-68947.	4.2	42
7	Dynamic classification for video stream using support vector machine. Applied Soft Computing Journal, 2008, 8, 1314-1325.	7.2	32
8	Deep belief networks and cortical algorithms: A comparative study for supervised classification. Applied Computing and Informatics, 2019, 15, 81-93.	5.9	31
9	A Deep Transfer Learning Framework for Seismic Data Analysis: A Case Study on Bright Spot Detection. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3202-3212.	6.3	28
10	Ham or spam? A comparative study for some content-based classification algorithms for email filtering. , 2014, , .		26
11	Towards a Machine Learning Approach for Detecting Click Fraud in Mobile Advertizing. , 2018, , .		21
12	Dynamic optimization of dry reformer under catalyst sintering using neural networks. Energy Conversion and Management, 2018, 157, 146-156.	9.2	19
13	Application of evolutionary neural networks and support vector machines to model NOx emissions from gas turbines. Journal of Environmental Chemical Engineering, 2018, 6, 1044-1052.	6.7	18
14	On extreme learning machines in sequential and time series prediction: A non-iterative and approximate training algorithm for recurrent neural networks. Neurocomputing, 2019, 325, 1-19.	5.9	18
15	A computationally efficient multi-modal classification approach of disaster-related Twitter images. , 2019, , .		18
16	An Optimized Parallel Implementation of Non-Iteratively Trained Recurrent Neural Networks. Journal of Artificial Intelligence and Soft Computing Research, 2021, 11, 33-50.	4.3	17
17	FPGA supercomputing platforms: A survey. , 2009, , .		16
18	A Clinical Decision Support Framework for Incremental Polyps Classification in Virtual Colonoscopy. Algorithms, 2010, 3, 1-20.	2.1	14

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19	A Distributed Reconfigurable Active SSD Platform for Data Intensive Applications. , 2011, , .		13
20	Incremental Support Vector Machine Framework for Visual Sensor Networks. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.7	12
21	An intelligent carpooling app for a green social solution to traffic and parking congestions. , 2013, , .		12
22	A 3-D visualization method for image-guided brain surgery. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 766-781.	5.0	11
23	Hadoop Extensions for Distributed Computing on Reconfigurable Active SSD Clusters. Transactions on Architecture and Code Optimization, 2014, 11, 1-26.	2.0	11
24	A MapReduce Cortical Algorithms Implementation for Unsupervised Learning of Big Data. Procedia Computer Science, 2015, 53, 327-334.	2.0	10
25	A subjectivity classification framework for sports articles using improved cortical algorithms. Neural Computing and Applications, 2019, 31, 8069-8085.	5.6	10
26	Support Vector Machines for Scheduled Harvesting of Wi-Fi Signals. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2277-2281.	4.0	9
27	Ordinal Optimization for Dynamic Network Reconfiguration. Electric Power Components and Systems, 2011, 39, 1845-1857.	1.8	8
28	Weighted entropy cortical algorithms for isolated Arabic speech recognition. , 2013, , .		8
29	A local mixture based SVM for an efficient supervised binary classification. , 2013, , .		8
30	Mixed-integer Quadratic Programming Based Rounding Technique for Power System State Estimation with Discrete and Continuous Variables. Electric Power Components and Systems, 2013, 41, 555-567.	1.8	8
31	Hybrid positioning data fusion in heterogeneous networks with critical hearability. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	8
32	Automated composer recognition for multi-voice piano compositions using rhythmic features, n-grams and modified cortical algorithms. Complex & Intelligent Systems, 2018, 4, 55-65.	6.5	8
33	Toward Real-Time Seismic Feature Analysis for Bright Spot Detection: A Distributed Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 322-331.	4.9	8
34	A Study of the Performance of a Cloud Datacenter Server. IEEE Transactions on Cloud Computing, 2017, 5, 590-603.	4.4	7
35	Roadside digital billboard advertisements: Effects of static, transitioning, and animated designs on driversâ€™ performance and attention. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 83, 226-237.	3.7	7
36	A Progressive and Cross-Domain Deep Transfer Learning Framework for Wrist Fracture Detection. Journal of Artificial Intelligence and Soft Computing Research, 2021, 12, 101-120.	4.3	7

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37	A novel approach to memory power estimation using machine learning. , 2010, , .		6
38	Minority SVM for linearly separable imbalanced datasets. , 2013, , .		6
39	An intelligent and fair GA carpooling scheduler as a social solution for greener transportation. , 2014, , .		6
40	KerMinSVM for imbalanced datasets with a case study on arabic comics classification. Engineering Applications of Artificial Intelligence, 2017, 59, 159-169.	8.1	6
41	Towards A Deep Learning Question-Answering Specialized Chatbot for Objective Structured Clinical Examinations. , 2019, , .		6
42	SIRA: A socially inspired game theoretic uplink/downlink resource aware allocation in OFDMA systems. , 2011, , .		5
43	An operating system for a Reconfigurable Active SSD processing node. , 2012, , .		5
44	An asymmetrical and quadratic Support Vector Regression loss function for Beirut short term load forecast. , 2012, , .		5
45	On the hybrid localization in heterogeneous networks with lack of hearability. , 2013, , .		5
46	A quantum genetic algorithm for pickup and delivery problems with coalition formation. Procedia Computer Science, 2019, 159, 261-270.	2.0	5
47	A game theoretic scenario for LTE load balancing. , 2011, , .		4
48	Asymmetrical and lower bounded support vector regression for power estimation. , 2011, , .		4
49	Ordinal optimization for optimal Capacitor Placement and network reconfiguration in radial distribution networks. , 2012, , .		4
50	Face2Mus: A facial emotion based Internet radio tuner application. , 2014, , .		4
51	On the Distributed Implementation of Unsupervised Extreme Learning Machines for Big Data. Procedia Computer Science, 2015, 53, 167-174.	2.0	4
52	Simultaneous context inference and mapping using mm-Wave for indoor scenarios. , 2017, , .		4
53	RASSD: A dynamically reconfigurable active storage device for energy efficient data analytics. , 2013, , .		3
54	A Mediation Layer for Connecting Data-Intensive Applications to Reconfigurable Data Nodes. , 2013, , .		3

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55	Energy-Aware Discrete Probabilistic Localization of Wireless Sensor Networks. Intelligent Automation and Soft Computing, 2013, 19, 407-423.	2.1	3
56	An ordinal kernel trick for a computationally efficient support vector machine. , 2014, , .		3
57	A game-theoretic approach to resource allocation in the cloud. , 2016, , .		3
58	Geometric Approach in Simultaneous Context Inference, Localization and Mapping using mm-Wave. , 2018, , .		3
59	A piecewise weight update rule for a supervised training of cortical algorithms. Neural Computing and Applications, 2019, 31, 1915-1930.	5.6	3
60	BAR â€" A Reinforcement Learning Agent for Bounding-Box Automated Refinement. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 2561-2568.	4.9	3
61	Thermal status and workload prediction using support vector regression. , 2012, , .		2
62	Isolated handwriting recognition via multi-stage Support Vector Machines. , 2012, , .		2
63	Entropy-Based and Weighted Selective SIFT Clustering as an Energy Aware Framework for Supervised Visual Recognition of Man-Made Structures. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	2
64	A Game Theory Approach to Demand Side Management in Smart Grids. Advances in Intelligent Systems and Computing, 2015, , 807-819.	0.6	2
65	Order reduction and efficient implementation of nonlinear nonlocal cochlear response models. Biological Cybernetics, 2016, 110, 435-454.	1.3	2
66	Semantic and Visual Cues for Humanitarian Computing of Natural Disaster Damage Images. , 2016, , .		2
67	On Biologically Inspired Stochastic Reinforcement Deep Learning: A Case Study on Visual Surveillance. IEEE Access, 2019, 7, 108431-108437.	4.2	2
68	TempoMAGE: a deep learning framework that exploits the causal dependency between time-series data to predict histone marks in open chromatin regions at time-points with missing ChIP-seq datasets. Bioinformatics, 2021, 37, 4336-4342.	4.1	2
69	Panel Tracking for the Extraction and the Classification of Speech Balloons. Lecture Notes in Computer Science, 2015, , 394-405.	1.3	2
70	Predicting microarchitectural power using Interval Based Hierarchical Support Vector Machine. , 2010, , .		1
71	Dynamic energy allocation for coordinated optimization in enterprise workloads. , 2011, , .		1
72	An ordinal optimization like GA for improved OFDMA system carrier allocations. , 2012, , .		1

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73	A Musical Classification and Interpretation of Abstract Art. , 2013, , .		1
74	A mathematical model to analyze the utilization of a cloud datacenter middleware. Journal of Network and Computer Applications, 2016, 59, 399-415.	9.1	1
75	Affective Relationship between Color and Text in Arabic Comic Books. , 2016, , .		1
76	An Epsilon Bargaining Game-Theoretic Formulation Between Carrier and Container Terminal Operators for Servicing Vessels During Unloading Operations. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 270-281.	4.2	1
77	Irregular breathing detection in CPAP assisted patients using hierarchical temporal memory. , 2017, , .		1
78	A biologically inspired deep neural network of basal ganglia switching in working memory tasks. , 2017, , .		1
79	Towards distributed acceleration of image processing applications using reconfigurable active SSD clusters: a case study of seismic data analysis. International Journal of High Performance Computing and Networking, 2018, 11, 261.	0.4	1
80	Hierarchical Fusion Evolving Spiking Neural Network for Adaptive Learning. , 2018, , .		1
81	Change Your Singer: A Transfer Learning Generative Adversarial Framework for Song to Song Conversion. , 2020, , .		1
82	HISI: A soft framework for building recognition. , 2009, , .		0
83	Exploring energy aware microarchitectural design space via computationally efficient genetic programming. , 2011, , .		0
84	Game theory approach for functional units power gating and instruction scheduling. , 2016, , .		0
85	Improved Genetic Algorithm for Downlink Carrier Allocation in an OFDMA System. Studies in Computational Intelligence, 2016, , 139-165.	0.9	0
86	Dynamic Area Search with Shared Memory: A Meta-Framework to Improve Pathfinding Algorithms. , 2018, , .		0
87	Towards a Quantum based GA Search for an Optimal Artificial Neural Networks Architecture and Feature Selection to Model NOx Emissions: A Case Study. , 2020, , .		0
88	Sky Writer: Towards an Intelligent Smart-phone Gesture Tracing and Recognition Framework. Lecture Notes in Computer Science, 2018, , 447-465.	1.3	0
89	Barricaded Boundary Minority Oversampling LS-SVM for a Biased Binary Classification. Lecture Notes in Computer Science, 2018, , 18-32.	1.3	0
90	Toward a continuous authentication system using a biologically inspired machine learning approach. , 2019, , .		0

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91	Acceptability of smokers of a conceptual cigarette tracker as wearable for smoking reduction. BMC Research Notes, 2022, 15, 38.	1.4	0
92	Democratizing Heavy-Lift Multi-Rotors Design. , 2021, , .		0