Ibrahim A Hameed

List of Publications by Year
in descending order

120 papers	2,997 citations	201385 27 h-index	197535 49 g-index
129 all docs	129 docs citations	129 times ranked	1963 citing authors

#	Article	IF	Citations
1	A Machine Learning Approach for Identification of Malignant Mesothelioma Etiological Factors in an Imbalanced Dataset. Computer Journal, 2022, 65, 1740-1751.	1.5	28
2	Learning the Morphological and Syntactic Grammars for Named Entity Recognition. Information (Switzerland), 2022, 13, 49.	1.7	4
3	Litter Detection with Deep Learning: A Comparative Study. Sensors, 2022, 22, 548.	2.1	25
4	R.Graph: A new risk-based causal reasoning and its application to COVID-19 risk analysis. Chemical Engineering Research and Design, 2022, 159, 585-604.	2.7	2
5	Cloud-based Smart IoT Sustainable Solution for Waste Sorting and Management. , 2022, , .		3
6	Predicting annual illuminance and operative temperature in residential buildings using artificial neural networks. Building and Environment, 2022, 217, 109031.	3.0	8
7	Detecting Small Anatomical Structures in 3D Knee MRI Segmentation by Fully Convolutional Networks. Applied Sciences (Switzerland), 2022, 12, 283.	1.3	6
8	Computer-Aided Diagnosis of Coal Workers' Pneumoconiosis in Chest X-ray Radiographs Using Machine Learning: A Systematic Literature Review. International Journal of Environmental Research and Public Health, 2022, 19, 6439.	1.2	24
9	Towards a Social VR-based Exergame for Elderly Users: An Exploratory Study of Acceptance, Experiences and Design Principles. Lecture Notes in Computer Science, 2022, , 495-504.	1.0	6
10	Parameterization of a Novel Nonlinear Estimator for Uncertain SISO Systems with Noise Scenario. Mathematics, 2022, 10, 2261.	1.1	3
11	A survey on sentiment analysis in Urdu: A resource-poor language. Egyptian Informatics Journal, 2021, 22, 53-74.	4.4	28
12	Developing the modified R-numbers for risk-based fuzzy information fusion and its application to failure modes, effects, and system resilience analysis (FMESRA). ISA Transactions, 2021, 113, 9-27.	3.1	27
13	Transfer Learning for Prognostics and Health Management (PHM) of Marine Air Compressors. Journal of Marine Science and Engineering, 2021, 9, 47.	1.2	12
14	What is Core and What Future Holds for Blockchain Technologies and Cryptocurrencies: A Bibliometric Analysis. IEEE Access, 2021, 9, 989-1004.	2.6	41
15	Health Monitoring of Air Compressors Using Reconstruction-Based Deep Learning for Anomaly Detection with Increased Transparency. Entropy, 2021, 23, 83.	1.1	18
16	An Analysis of Blessed Friday Sale at a Retail Store Using Classification Models. , 2021, , .		3
17	Health Data Management for Nursing Practice: An Intelligent, Holographic Mixed-Reality System. Communications in Computer and Information Science, 2021, , 329-336.	0.4	1
18	A Comparative Performance Analysis of Data Resampling Methods on Imbalance Medical Data. IEEE Access, 2021, 9, 109960-109975.	2.6	93

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19	A Review of Time-Series Anomaly Detection Techniques: A Step to Future Perspectives. Advances in Intelligent Systems and Computing, 2021, , 865-877.	0.5	33
20	V2X-Based Mobile Localization in 3D Wireless Sensor Network. Security and Communication Networks, 2021, 2021, 1-13.	1.0	27
21	A Review of Content-Based and Context-Based Recommendation Systems. International Journal of Emerging Technologies in Learning, 2021, 16, 274.	0.8	117
22	EEMDS: An Effective Emergency Message Dissemination Scheme for Urban VANETs. Sensors, 2021, 21, 1588.	2.1	31
23	Multi-Agent System Based Mobile Help Desk and Monitoring of Safety Measures to Combat COVID-19 and Future Pandemics. , 2021, , .		1
24	Enhanced concept-level sentiment analysis system with expanded ontological relations for efficient classification of user reviews. Egyptian Informatics Journal, 2021, 22, 455-471.	4.4	19
25	Drone Deep Reinforcement Learning: A Review. Electronics (Switzerland), 2021, 10, 999.	1.8	120
26	Smart Waste Management System as a Sustainable Social Enterprise Model. , 2021, , .		1
27	A novel framework for prognostic factors identification of malignant mesothelioma through association rule mining. Biomedical Signal Processing and Control, 2021, 68, 102726.	3.5	41
28	Multi-Agent Robot System to Monitor and Enforce Physical Distancing Constraints in Large Areas to Combat COVID-19 and Future Pandemics. Applied Sciences (Switzerland), 2021, 11, 7200.	1.3	10
29	Robotics and Intelligent Systems Against a Pandemic. Acta Polytechnica Hungarica, 2021, 18, 13-35.	2.5	72
30	A Comprehensive Study of HBase Storage Architecture—A Systematic Literature Review. Symmetry, 2021, 13, 109.	1.1	12
31	Improved Twofish Algorithm: A Digital Image Enciphering Application. IEEE Access, 2021, 9, 76518-76530.	2.6	9
32	A Novel Method for Performance Measurement of Public Educational Institutions Using Machine Learning Models. Applied Sciences (Switzerland), 2021, 11, 9296.	1.3	27
33	Trends and Directions of Financial Technology (Fintech) in Society and Environment: A Bibliometric Study. Applied Sciences (Switzerland), 2021, 11, 10353.	1.3	20
34	A Review on Security Challenges in Internet of Things (IoT). , 2021, , .		14
35	Machine Translation in Low-Resource Languages by an Adversarial Neural Network. Applied Sciences (Switzerland), 2021, 11, 10860.	1.3	1
36	Perceiving the Narrative Style for Fake News Detection Using Deep Learning. , 2021, , .		1

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37	A Dynamic Three-Bit Image Steganography Algorithm for Medical and e-Healthcare Systems. IEEE Access, 2020, 8, 181893-181903.	2.6	25
38	A Bibliometric Analysis of Corona Pandemic in Social Sciences: A Review of Influential Aspects and Conceptual Structure. IEEE Access, 2020, 8, 133377-133402.	2.6	81
39	Risk Factors Identification of Malignant Mesothelioma: A Data Mining Based Approach. , 2020, , .		11
40	MAC Protocols 802.11: A Comparative Study of Throughput Analysis and Improved LEACH. , 2020, , .		3
41	Nonlinear Model Predictive Growth Control of a Class of Plant-Inspired Soft Growing Robots. IEEE Access, 2020, 8, 214495-214503.	2.6	8
42	An Investigation of Credit Card Default Prediction in the Imbalanced Datasets. IEEE Access, 2020, 8, 201173-201198.	2.6	78
43	A Survey on Machine Learning Techniques for Cyber Security in the Last Decade. IEEE Access, 2020, 8, 222310-222354.	2.6	187
44	A comprehensive dataset for bibliometric analysis of SARS and coronavirus impact on social sciences. Data in Brief, 2020, 33, 106520.	0.5	15
45	Performance Comparison and Current Challenges of Using Machine Learning Techniques in Cybersecurity. Energies, 2020, 13, 2509.	1.6	137
46	Robust H-Infinity Decentralized Control for Industrial Cooperative Robots. Advances in Intelligent Systems and Computing, 2020, , 254-265.	0.5	13
47	A Model to Enhance Governance Issues through Opinion Extraction. , 2020, , .		8
48	Applying Deep Learning Technique for Depression Classification in Social Media Text. Journal of Medical Imaging and Health Informatics, 2020, 10, 2446-2451.	0.2	19
49	Fine-Grained Sentiment Analysis for Measuring Customer Satisfaction Using an Extended Set of Fuzzy Linguistic Hedges. International Journal of Computational Intelligence Systems, 2020, 13, 744.	1.6	16
50	Domain Specific Lexicon Generation through Sentiment Analysis. International Journal of Emerging Technologies in Learning, 2020, 15, 190.	0.8	3
51	A Conceptual Model Of An IOT-Based Smart And Sustainable Solid Waste Management System: A case Study Of A Norwegian Municipality. , 2020, , .		2
52	ACO Algorithms to Solve an Electromagnetic Discrete Optimization Problem. , 2020, , .		0
53	A Novel Ensemble Representation Framework for Sentiment Classification. , 2020, , .		1
54	ACOR Algorithmâ€™s Efficiency for Electromagnetic Optimization Benchmark Problems. , 2019, , .		6

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55	Soil Erosion Rate Prediction using Adaptive Neuro-Fuzzy Inference System (ANFIS) and Geographic Information System (GIS) of Wadi Sahel-Soummam Watershed (Algeria). , 2019, , .		0
56	Robust Sparse Representation and Multiclass Support Matrix Machines for the Classification of Motor Imagery EEG Signals. IEEE Journal of Translational Engineering in Health and Medicine, 2019, 7, 1-8.	2.2	16
57	Evaluation of Handwritten Urdu Text by Integration of MNIST Dataset Learning Experience. IEEE Access, 2019, 7, 153566-153578.	2.6	13
58	Automatic Visual Features for Writer Identification: A Deep Learning Approach. IEEE Access, 2019, 7, 17149-17157.	2.6	68
59	Regularized Urdu Speech Recognition with Semi-Supervised Deep Learning. Applied Sciences (Switzerland), 2019, 9, 1956.	1.3	11
60	Path Planning in Dynamic Environment Using Particle Swarm Optimization Algorithm. , 2019, , .		5
61	Hybrid Words Representation for Airlines Sentiment Analysis. Lecture Notes in Computer Science, 2019, , 381-392.	1.0	24
62	COGNITIVE REHABILITATION FOR THE ELDERLY USING SOCIAL ROBOTS: A BRIEF REVIEW. , 2019, , .		0
63	â€œICPS-NAOâ€: NURTURING THINKING CHILDREN USING A SOCIAL ROBOT. , 2019, , .		0
64	Comparative predictive modelling of the occurrence of faecal indicator bacteria in a drinking water source in Norway. Science of the Total Environment, 2018, 628-629, 1178-1190.	3.9	23
65	A GA-Based Adaptive Neuro-Fuzzy Controller for Greenhouse Climate Control System. AEJ - Alexandria Engineering Journal, 2018, 57, 773-779.	3.4	33
66	User Intention Mining in Bussiness Reviews: A Review. , 2018, , .		5
67	BERS: Bussiness-Related Emotion Recognition System in Urdu Language Using Machine Learning. , 2018, , .		6
68	A Coverage Planner for Multi-Robot Systems in Agriculture. , 2018, , .		7
69	Advances in greenhouse automation and controlled environment agriculture: A transition to plant factories and urban agriculture. International Journal of Agricultural and Biological Engineering, 2018, 11, 1-22.	0.3	172
70	Simulation software and virtual environments for acceleration of agricultural robotics: Features highlights and performance comparison. International Journal of Agricultural and Biological Engineering, 2018, 11, 12-20.	0.3	15
71	Research and development in agricultural robotics: A perspective of digital farming. International Journal of Agricultural and Biological Engineering, 2018, 11, 1-11.	0.3	190
72	Adaptive neuro-fuzzy inference system for predicting norovirus in drinking water supply. , 2017, , .		5

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73	Comparison of Adaptive Neuro-Fuzzy Inference System (ANFIS) and Gaussian Process for Machine Learning (GPML) Algorithms for the Prediction of Norovirus Concentration in Drinking Water Supply. Lecture Notes in Computer Science, 2017, , 74-95.	1.0	2
74	Path Planning for Line Marking Robots Using 2D Dubinsâ€™ Path. Advances in Intelligent Systems and Computing, 2017, , 900-910.	0.5	1
75	Automated techniques for brain tumor segmentation and detection: A review study. , 2017, , .		4
76	Random forest tree for predicting fecal indicator organisms in drinking water supply. , 2017, , .		4
77	Coverage path planning software for autonomous robotic lawn mower using Dubins' curve. , 2017, , .		27
78	Deep learning based classification for healthcare data analysis system. , 2017, , .		3
79	Enhanced fuzzy system for student's academic evaluation using linguistic hedges. , 2017, , .		6
80	Reconfigurable adaptive fuzzy fault-hiding control for greenhouse climate control system. International Journal of Automation and Control, 2017, 11, 164.	0.3	3
81	An Intelligent Winch Prototyping Tool. , 2017, , .		2
82	Evolutionary Winch Design Using An Online Winch Prototyping Tool. , 2017, , .		2
83	Towards data-driven identification and analysis of propeller ventilation. , 2016, , .		3
84	Motion planning for autonomous landmine detection and clearance robots. , 2016, , .		9
85	Using natural language processing (NLP) for designing socially intelligent robots. , 2016, , .		17
86	Grey wolf optimizer (GWO) for automated offshore crane design. , 2016, , .		18
87	Using Theatre to Study Interaction with Care Robots. International Journal of Social Robotics, 2016, 8, 457-470.	3.1	36
88	A simplified implementation of interval type-2 fuzzy system and its application in students' academic evaluation. , 2016, , .		3
89	Side-to-side 3D coverage path planning approach for agricultural robots to minimize skip/overlap areas between swaths. Robotics and Autonomous Systems, 2016, 76, 36-45.	3.0	78
90	An Interval Type-2 Fuzzy Logic System for Assessment of Studentsâ€™ Answer Scripts under High Levels of Uncertainty. , 2016, , .		5

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91	Intelligent Computer-Automated Crane Design Using An Online Crane Prototyping Tool. , 2016, , .		7
92	A Fuzzy System to Automatically Evaluate and Improve Fariness of Multiple-Choice Questions (MCQs) based Exams. , 2016, , .		4
93	A Software Framework For Intelligent Computer-Automated Product Design. , 2016, , .		6
94	Task and motion planning for selective weed conrol using a team of autonomous vehicles. , 2014, , .		4
95	Intelligent Coverage Path Planning for Agricultural Robots and Autonomous Machines on Three-Dimensional Terrain. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 965-983.	2.0	100
96	Design of a Wildlife Avoidance Planning System for Autonomous Harvesting Operations. International Journal of Advanced Robotic Systems, 2014, 11, 6.	1.3	3
97	Optimized driving direction based on a three-dimensional field representation. Computers and Electronics in Agriculture, 2013, 91, 145-153.	3.7	35
98	An Optimized Field Coverage Planning Approach for Navigation of Agricultural Robots in Fields Involving Obstacle Areas. International Journal of Advanced Robotic Systems, 2013, 10, 231.	1.3	66
99	An object-oriented model for simulating agricultural in-field machinery activities. Computers and Electronics in Agriculture, 2012, 81, 24-32.	3.7	33
100	Robotic weed monitoring. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2011, 61, 202-208.	0.3	10
101	Driving Angle and Track Sequence Optimization for Operational Path Planning Using Genetic Algorithms. Applied Engineering in Agriculture, 2011, 27, 1077-1086.	0.3	51
102	Field Robotics in Sports: Automatic Generation of Guidance Lines for Automatic Grass Cutting, Striping and Pitch Marking of Football Playing Fields. International Journal of Advanced Robotic Systems, 2011, 8, 10.	1.3	8
103	Using Gaussian membership functions for improving the reliability and robustness of studentsâ€™ evaluation systems. Expert Systems With Applications, 2011, 38, 7135-7142.	4.4	72
104	Tramline establishment in controlled traffic farming based on operational machinery cost. Biosystems Engineering, 2010, 107, 221-231.	1.9	29
105	Automated generation of guidance lines for operational field planning. Biosystems Engineering, 2010, 107, 294-306.	1.9	60
106	Fuzzy Systems in Education: A More Reliable System for Student Evaluation. , 2010, , .		7
107	Design of research platform for integrating ICT and automation in organic arable cropping. , 2010, , .		0
108	A More Energy Efficient Controller for the Greenhouses Climate Control System. Applied Engineering in Agriculture, 2010, 26, 491-498.	0.3	8

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109	A Computer System to Rate the Variety of Color in Drawings. Art Therapy, 2009, 26, 73-79.	0.2	12
110	Simplified architecture of a type-2 fuzzy controller using four embedded type-1 fuzzy controllers and its application to a greenhouse climate control system. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2009, 223, 619-631.	0.7	15
111	A fuzzy system for evaluating students' learning achievement. Expert Systems With Applications, 2009, 36, 6236-6243.	4.4	59
112	A Mixed Integer Programming Model for the Multiperiod Scheduling Problem of Blending Zinc-Bearing Materials to Minimize Setups in the Hydrometallurgical Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2008, 39, 896-904.	1.0	2
113	Environmental control for plants using intelligent control systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 101-106.	0.4	12
114	Robotic Harvesting of Fruiting Vegetables: A Simulation Approach in V-REP, ROS and MATLAB. , 0, , .		15
115	Fundamental Research on Unmanned Aerial Vehicles to Support Precision Agriculture in Oil Palm Plantations. , 0, , .		16
116	Development of a Field Robot Platform for Mechanical Weed Control in Greenhouse Cultivation of Cucumber. , 0, , .		1
117	Temperature and Humidity Control for the Next Generation Greenhouses: Overview of Desiccant and Evaporative Cooling Systems. , 0, , .		2
118	Greenhouse Crop Simulation Models and Microclimate Control Systems, A Review. , 0, , .		3
119	Greenhouse Automation Using Wireless Sensors and IoT Instruments Integrated with Artificial Intelligence. , 0, , .		8
120	Digital Agriculture and Intelligent Farming Business Using Information and Communication Technology: A Survey. , 0, , .		0