

Mohd Helmy Abd Wahab

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86

papers

241

citations

8

h-index

11

g-index

120

ext. papers

361

ext. citations

0.5

avg, IF

3.44

L-index

#	Paper	IF	Citations
86	Q-CAM: Queue Monitoring System using Camera. <i>Annals of Emerging Technologies in Computing</i> , 2021 , 5, 137-145	1.2	0
85	A Machine Learning Approach for Improving the Performance of Network Intrusion Detection Systems. <i>Annals of Emerging Technologies in Computing</i> , 2021 , 5, 201-208	1.2	12
84	Implementation of Faulty Sensor Detection Mechanism using Data Correlation of Multivariate Sensor Readings in Smart Agriculture. <i>Annals of Emerging Technologies in Computing</i> , 2021 , 5, 1-9	1.2	2
83	Identification of the Exclusivity of Individual's Typing Style Using Soft Biometric Elements. <i>Annals of Emerging Technologies in Computing</i> , 2021 , 5, 10-26	1.2	1
82	Combination of Thermal and sRGB imaging Techniques for Advanced Surveillance System. <i>Annals of Emerging Technologies in Computing</i> , 2021 , 5, 27-33	1.2	
81	Effects of Nitrogen Ion Implantation on Microhardness and Surface Roughness of Ti-6Al-4V ELI Medical Alloy. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022022	0.3	
80	Dynamic Switching in the Measurements Collecting from Heterogeneous Data Sources. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022058	0.3	1
79	Development of Body Stress Analyzer based on Physiological Signal. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022106	0.3	
78	ionFluid: Designing and Developing A Water Level Notification System. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022107	0.3	
77	Unique English: An English Learning Application for Remedial Program Using Gamification Approach. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 032084	0.3	
76	AIRA Chatbot for Travel: Case Study of AirAsia. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022101	0.3	3
75	Elderly Care Monitoring System with IoT Application. <i>Studies in Computational Intelligence</i> , 2020 , 525-537	0.8	
74	IoT Based Virtual Reality Game for Physio-therapeutic Patients. <i>Annals of Emerging Technologies in Computing</i> , 2020 , 4, 39-51	1.2	0
73	Improved User Adaptable Human Fall Detection and Verification Using Statistical Analysis. <i>Studies in Computational Intelligence</i> , 2020 , 687-698	0.8	
72	Air Drone Pollution Monitoring System with Self Power Generation. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022103	0.3	1
71	Development of a Wrist Rehabilitation Device with Android-based Game Application. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022110	0.3	1
70	The Development of A Mandarin Learning Mobile Application for Beginners. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 032080	0.3	1

69	Studying the Influence of Electroporation on HT29 Cell Line Interaction with Fibronectin and Collagen Protein Micro-Patterned Surface. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 052028	0.3	
68	Soft Biometrics and Its Implementation in Keystroke Dynamics. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022086	0.3	0
67	Decision Making Process in Keystroke Dynamics. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022087	0.3	1
66	Risk Factors of Cervical Cancer using Classification in Data Mining. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022102	0.3	6
65	Conversion of SLA document into Fuzzy Rule base approach and applied in MAPE-K. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022104	0.3	
64	Analyzing Diabetic Data using Classification. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022105	0.3	2
63	An Efficient and Robust Antenna Combined with Electromagnetic Band-Gap Structure for Wearable Medical Application. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022108	0.3	1
62	Towards strategic e-waste management using green technology approach: A brief review on green product development process. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022109	0.3	
61	Jawi-AR Apps: Single Jawi Character Connecting Method to single words using AR Technology. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 032001	0.3	2
60	A Data Mining Approach to Prediction of Liver Diseases. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 032002	0.3	3
59	Simulation of Agent-Based Negative Selection Model (ABNSM) for Reservoir Water Level Monitoring. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 032004	0.3	
58	The Development of an Interactive Animation to Prevent Social Media Fraud. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 032081	0.3	0
57	Tracking System using RFID for Hiking Activity with IoT Technology. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 052030	0.3	1
56	A Review on Feature Extraction in Keystroke Dynamics. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022088	0.3	
55	Adaptation of MAPE-K and Fuzzy Q-Learning in SLA management. <i>Journal of Physics: Conference Series</i> , 2020 , 1529, 022100	0.3	
54	Wireless Wearable for Sign Language Translator Device with Android-Based App. <i>Lecture Notes in Networks and Systems</i> , 2019 , 411-422	0.5	2
53	Computational Automated System for Red Blood Cell Detection and Segmentation 2019 , 173-189		2
52	Wireless Wearable for Sign Language Translator Device using Intel UP Squared (UP2) Board. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 533-543	0.2	0

51	Empirical Framework of Reverse Vending Machine (RVM) with Material Identification Capability to Improve Recycling. <i>Applied Mechanics and Materials</i> , 2019 , 892, 114-119	0.3	1
50	The Potential Use of Service-Oriented Infrastructure Framework to Enable Transparent Vertical Scalability of Cloud Computing Infrastructure. <i>Journal of Physics: Conference Series</i> , 2018 , 1019, 012048	0.3	
49	Preliminary Design of a Dual-Sensor Based Sign Language Translator Device. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 353-362	0.4	4
48	NFC-based Data Retrieval Device. <i>Journal of Physics: Conference Series</i> , 2018 , 1019, 012084	0.3	
47	A Technical Review of MANET Testbed Using Mobile Robot Technology. <i>Journal of Physics: Conference Series</i> , 2018 , 1049, 012001	0.3	5
46	Conversational Bot for Pharmacy: A Natural Language Approach 2018 ,		8
45	Arduino-Based Wireless Motion Detecting System 2018 ,		4
44	Monowalk: A Travelling Companion. <i>Journal of Physics: Conference Series</i> , 2018 , 1019, 012083	0.3	
43	A Survey of Multi-Agent System Approach in Risk Assessment 2018 ,		1
42	Development of a Wearable Device for Sign Language Recognition. <i>Journal of Physics: Conference Series</i> , 2018 , 1019, 012017	0.3	7
41	Prediction of Photovoltaic (PV) Output Using Artificial Neural Network (ANN) Based on Ambient Factors. <i>Journal of Physics: Conference Series</i> , 2018 , 1049, 012088	0.3	2
40	A Critical Review of MANET Testbed Using Mobile Robot Technology. <i>Journal of Physics: Conference Series</i> , 2018 , 1019, 012046	0.3	2
39	Mobile Ad hoc Network Testbed Using Mobile Robot Technology. <i>Journal of Physics: Conference Series</i> , 2018 , 1019, 012047	0.3	2
38	A Review on Data Stream Classification. <i>Journal of Physics: Conference Series</i> , 2018 , 1018, 012019	0.3	2
37	Development of Reverse Vending Machine (RVM) Framework for Implementation to a Standard Recycle Bin. <i>Procedia Computer Science</i> , 2017 , 105, 75-80	1.6	13
36	Smart Collision Avoidance and Hazard Routing Mechanism for Intelligent Transport Network. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 226, 012107	0.4	1
35	Novel type-2 fuzzy logic approach for inference of corrosion failure likelihood of oil and gas pipeline industry. <i>Engineering Failure Analysis</i> , 2017 , 80, 299-311	3.2	22
34	Improving Students' Motivation in Learning ICT Course With the Use of A Mobile Augmented Reality Learning Environment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 226, 012114	0.4	11

33	Intelligent Healthcare Chatterbot (HECIA): Case study of medical center in Malaysia 2017 ,		2
32	Real-time bus location and arrival information system 2016 ,		2
31	Autonomous Lawnmower using FPGA implementation.. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 160, 012112	0.4	1
30	AES Cardless Automatic Teller Machine (ATM) Biometric Security System Design Using FPGA Implementation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 160, 012113	0.4	2
29	Ensemble classification of cyber space users tendency in blog writing using random forest 2016 ,		5
28	2016 ,		1
27	2016 ,		6
26	Images Retrieval Based on Integrated Features. <i>Applied Mechanics and Materials</i> , 2014 , 543-547, 2292-2295		5
25	Smart Recycle Bin: A Conceptual Approach of Smart Waste Management with Integrated Web Based System 2014 ,		29
24	Review on raindrop detection and removal in weather degraded images 2013 ,		5
23	Image contrast enhancement for outdoor machine vision applications 2013 ,		1
22	An Efficient Image Retrieval Based on Combined Features. <i>Advanced Materials Research</i> , 2013 , 787, 1025-1029		1029
21	Image Retrieval based on color and texture features 2012 ,		4
20	Sophisticated Educational Software for Dentistry Students using Dental Measurement System (DEMS). <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 28, 133-138		
19	The New Formal Specification Framework Of Individual Emergency, Response And Preparedness. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 28, 200-204		
18	The Preferable Test Documentation Using IEEE 829. <i>Communications in Computer and Information Science</i> , 2011 , 109-118	0.3	
17	BUSCLIS for Construction Industry. <i>Communications in Computer and Information Science</i> , 2011 , 206-217	0.3	
16	Preserving Data Replication Consistency through ROWA-MSTS. <i>Communications in Computer and Information Science</i> , 2011 , 244-253	0.3	

15	GSM Based Electrical Control System for Smart Home Application. <i>Journal of Convergence Information Technology</i> , 2010 , 5, 33-39		8
14	2010,		1
13	Design and development of portable RFID for attendance system 2010,		4
12	Web-based laboratory equipment monitoring system using RFID 2010,		5
11	Neighbour Replica Transaction Failure Framework in Data Grid. <i>Communications in Computer and Information Science</i> , 2010 , 488-495	0.3	2
10	Expediency Heuristic in University Conference Webpage. <i>Communications in Computer and Information Science</i> , 2010 , 566-576	0.3	
9	GSM-Based Notification System for Electronic Pigeon Hole. <i>Communications in Computer and Information Science</i> , 2010 , 619-630	0.3	
8	Wireless appliance control system 2009,		4
7	Secured MyVirtualPDA using advanced encryption standard. <i>IEEE Potentials</i> , 2009 , 28, 40-42	1	
6	2008,		1
5	2008,		3
4	Implementation of network-based smart order system 2008,		1
3	GSM-based notification speed detection for monitoring purposes 2008,		2
2	An RFID warehouse robot 2007,		9
1	Security and Privacy in Pervasive Computing. <i>IEEE Pervasive Computing</i> , 2007 , 6, 73-75	1.3	8