

# Mohd Helmy Abd Wahab

## List of Publications by Citations

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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	Smart Recycle Bin: A Conceptual Approach of Smart Waste Management with Integrated Web Based System <b>2014</b> ,		29
85	Novel type-2 fuzzy logic approach for inference of corrosion failure likelihood of oil and gas pipeline industry. <i>Engineering Failure Analysis</i> , <b>2017</b> , 80, 299-311	3.2	22
84	Development of Reverse Vending Machine (RVM) Framework for Implementation to a Standard Recycle Bin. <i>Procedia Computer Science</i> , <b>2017</b> , 105, 75-80	1.6	13
83	A Machine Learning Approach for Improving the Performance of Network Intrusion Detection Systems. <i>Annals of Emerging Technologies in Computing</i> , <b>2021</b> , 5, 201-208	1.2	12
82	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> , <b>2017</b> , 226, 012114 <sup>4</sup>	0.4	11
81	An RFID warehouse robot <b>2007</b> ,		9
80	GSM Based Electrical Control System for Smart Home Application. <i>Journal of Convergence Information Technology</i> , <b>2010</b> , 5, 33-39		8
79	Security and Privacy in Pervasive Computing. <i>IEEE Pervasive Computing</i> , <b>2007</b> , 6, 73-75	1.3	8
78	Conversational Bot for Pharmacy: A Natural Language Approach <b>2018</b> ,		8
77	Development of a Wearable Device for Sign Language Recognition. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1019, 012017	0.3	7
76	Risk Factors of Cervical Cancer using Classification in Data Mining. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022102	0.3	6
75	<b>2016</b> ,		6
74	Review on raindrop detection and removal in weather degraded images <b>2013</b> ,		5
73	Web-based laboratory equipment monitoring system using RFID <b>2010</b> ,		5
72	Ensemble classification of cyber space users tendency in blog writing using random forest <b>2016</b> ,		5
71	A Technical Review of MANET Testbed Using Mobile Robot Technology. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1049, 012001	0.3	5
70	Image Retrieval based on color and texture features <b>2012</b> ,		4

69	Design and development of portable RFID for attendance system <b>2010</b> ,		4
68	Wireless appliance control system <b>2009</b> ,		4
67	Preliminary Design of a Dual-Sensor Based Sign Language Translator Device. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 353-362	0.4	4
66	Arduino-Based Wireless Motion Detecting System <b>2018</b> ,		4
65	AIRA Chatbot for Travel: Case Study of AirAsia. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022101	0.3	3
64	<b>2008</b> ,		3
63	A Data Mining Approach to Prediction of Liver Diseases. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 032002	0.3	3
62	Wireless Wearable for Sign Language Translator Device with Android-Based App. <i>Lecture Notes in Networks and Systems</i> , <b>2019</b> , 411-422	0.5	2
61	Computational Automated System for Red Blood Cell Detection and Segmentation <b>2019</b> , 173-189		2
60	Real-time bus location and arrival information system <b>2016</b> ,		2
59	Intelligent Healthcare Chatterbot (HECIA): Case study of medical center in Malaysia <b>2017</b> ,		2
58	GSM-based notification speed detection for monitoring purposes <b>2008</b> ,		2
57	Neighbour Replica Transaction Failure Framework in Data Grid. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 488-495	0.3	2
56	Analyzing Diabetic Data using Classification. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022105	0.3	2
55	Jawi-AR Apps: Single Jawi Character Connecting Method to single words using AR Technology. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 032001	0.3	2
54	Implementation of Faulty Sensor Detection Mechanism using Data Correlation of Multivariate Sensor Readings in Smart Agriculture. <i>Annals of Emerging Technologies in Computing</i> , <b>2021</b> , 5, 1-9	1.2	2
53	AES Cardless Automatic Teller Machine (ATM) Biometric Security System Design Using FPGA Implementation. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 160, 012113	0.4	2
52	Prediction of Photovoltaic (PV) Output Using Artificial Neural Network (ANN) Based on Ambient Factors. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1049, 012088	0.3	2

51	A Critical Review of MANET Testbed Using Mobile Robot Technology. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1019, 012046	0.3	2
50	Mobile Ad hoc Network Testbed Using Mobile Robot Technology. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1019, 012047	0.3	2
49	A Review on Data Stream Classification. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1018, 012019	0.3	2
48	Smart Collision Avoidance and Hazard Routing Mechanism for Intelligent Transport Network. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 226, 012107	0.4	1
47	Dynamic Switching in the Measurements Collecting from Heterogeneous Data Sources. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022058	0.3	1
46	Empirical Framework of Reverse Vending Machine (RVM) with Material Identification Capability to Improve Recycling. <i>Applied Mechanics and Materials</i> , <b>2019</b> , 892, 114-119	0.3	1
45	Image contrast enhancement for outdoor machine vision applications <b>2013</b> ,		1
44	<b>2010</b> ,		1
43	<b>2008</b> ,		1
42	Implementation of network-based smart order system <b>2008</b> ,		1
41	Air Drone Pollution Monitoring System with Self Power Generation. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022103	0.3	1
40	Development of a Wrist Rehabilitation Device with Android-based Game Application. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022110	0.3	1
39	The Development of A Mandarin Learning Mobile Application for Beginners. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 032080	0.3	1
38	Decision Making Process in Keystroke Dynamics. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022080	0.3	1
37	An Efficient and Robust Antenna Combined with Electromagnetic Band-Gap Structure for Wearable Medical Application. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022108	0.3	1
36	Tracking System using RFID for Hiking Activity with IoT Technology. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 052030	0.3	1
35	Identification of the Exclusivity of Individual Typing Style Using Soft Biometric Elements. <i>Annals of Emerging Technologies in Computing</i> , <b>2021</b> , 5, 10-26	1.2	1
34	Autonomous Lawnmower using FPGA implementation.. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 160, 012112	0.4	1

33	<b>2016,</b>		1
32	A Survey of Multi-Agent System Approach in Risk Assessment <b>2018,</b>		1
31	Wireless Wearable for Sign Language Translator Device using Intel UP Squared (UP2) Board. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 533-543	0.2	0
30	IoT Based Virtual Reality Game for Physio-therapeutic Patients. <i>Annals of Emerging Technologies in Computing</i> , <b>2020</b> , 4, 39-51	1.2	0
29	Soft Biometrics and Its Implementation in Keystroke Dynamics. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022086	0.3	0
28	The Development of an Interactive Animation to Prevent Social Media Fraud. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 032081	0.3	0
27	Q-CAM: Queue Monitoring System using Camera. <i>Annals of Emerging Technologies in Computing</i> , <b>2021</b> , 5, 137-145	1.2	0
26	Effects of Nitrogen Ion Implantation on Microhardness and Surface Roughness of Ti-6Al-4V ELI Medical Alloy. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022022	0.3	
25	Development of Body Stress Analyzer based on Physiological Signal. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022106	0.3	
24	ionFluid: Designing and Developing A Water Level Notification System. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022107	0.3	
23	Unique English: An English Learning Application for Remedial Program Using Gamification Approach. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 032084	0.3	
22	The Potential Use of Service-Oriented Infrastructure Framework to Enable Transparent Vertical Scalability of Cloud Computing Infrastructure. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1019, 012048	0.3	
21	Images Retrieval Based on Integrated Features. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 543-547, 2292-2295		
20	An Efficient Image Retrieval Based on Combined Features. <i>Advanced Materials Research</i> , <b>2013</b> , 787, 1025-1029		
19	Sophisticated Educational Software for Dentistry Students using Dental Measurement System (DEMS). <i>Procedia, Social and Behavioral Sciences</i> , <b>2011</b> , 28, 133-138		
18	The New Formal Specification Framework Of Individual Emergency, Response And Preparedness. <i>Procedia, Social and Behavioral Sciences</i> , <b>2011</b> , 28, 200-204		
17	Secured MyVirtualPDA using advanced encryption standard. <i>IEEE Potentials</i> , <b>2009</b> , 28, 40-42		1
16	Elderly Care Monitoring System with IoT Application. <i>Studies in Computational Intelligence</i> , <b>2020</b> , 525-537	0.8	

15	Improved User Adaptable Human Fall Detection and Verification Using Statistical Analysis. <i>Studies in Computational Intelligence</i> , <b>2020</b> , 687-698	0.8
14	Expediency Heuristic in University Conference Webpage. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 566-576	0.3
13	GSM-Based Notification System for Electronic Pigeon Hole. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 619-630	0.3
12	The Preferable Test Documentation Using IEEE 829. <i>Communications in Computer and Information Science</i> , <b>2011</b> , 109-118	0.3
11	BUSCLIS for Construction Industry. <i>Communications in Computer and Information Science</i> , <b>2011</b> , 206-217	0.3
10	Preserving Data Replication Consistency through ROWA-MSTS. <i>Communications in Computer and Information Science</i> , <b>2011</b> , 244-253	0.3
9	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> , <b>2020</b> , 1529, 052028	0.3
8	Conversion of SLA document into Fuzzy Rule base approach and applied in MAPE-K. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022104	0.3
7	Towards strategic e-waste management using green technology approach: A brief review on green product development process. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022109	0.3
6	Simulation of Agent-Based Negative Selection Model (ABNSM) for Reservoir Water Level Monitoring. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 032004	0.3
5	A Review on Feature Extraction in Keystroke Dynamics. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022088	0.3
4	Adaptation of MAPE-K and Fuzzy Q-Learning in SLA management. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1529, 022100	0.3
3	Combination of Thermal and sRGB imaging Techniques for Advanced Surveillance System. <i>Annals of Emerging Technologies in Computing</i> , <b>2021</b> , 5, 27-33	1.2
2	NFC-based Data Retrieval Device. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1019, 012084	0.3
1	Monowalk: A Travelling Companion. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1019, 012083	0.3