

# Joarder Kamruzzaman

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

148  
papers

1,670  
citations

18  
h-index

37  
g-index

177  
ext. papers

2,335  
ext. citations

3.9  
avg, IF

5.45  
L-index

#	Paper	IF	Citations
148	Sensitivity Analysis for Vulnerability Mitigation in Hybrid Networks. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 238	2.6	1
147	Measuring Trustworthiness of Smart Meters Leveraging Household Energy Consumption Profile. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2022</b> , 1-1	2.6	1
146	Remote reconfiguration of FPGA-based wireless sensor nodes for flexible Internet of Things?. <i>Computers and Electrical Engineering</i> , <b>2022</b> , 100, 107935	4.3	0
145	Adversarial Training for Deep Learning-based Cyberattack Detection in IoT-based Smart City Applications. <i>Computers and Security</i> , <b>2022</b> , 102783	4.9	0
144	State Estimation within IED Based Smart Grid Using Kalman Estimates. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1783	2.6	
143	Assessing Trust Level of a Driverless Car Using Deep Learning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 4457-4466	6.1	6
142	Trustworthiness of Self-Driving Vehicles for Intelligent Transportation Systems in Industry Applications. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 961-970	11.9	10
141	A Smart Priority-Based Traffic Control System for Emergency Vehicles. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 15849-15858	4	3
140	How Much I Can Rely on You: Measuring Trustworthiness of a Twitter User. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2021</b> , 18, 949-966	3.9	2
139	Green Underwater Wireless Communications Using Hybrid Optical-Acoustic Technologies. <i>IEEE Access</i> , <b>2021</b> , 9, 85109-85123	3.5	3
138	A Novel OFDM Format and a Machine Learning Based Dimming Control for LiFi. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2103	2.6	
137	Malware detection in edge devices with fuzzy oversampling and dynamic class weighting. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 112, 107783	7.5	2
136	Cyberattacks Detection in IoT-Based Smart City Applications Using Machine Learning Techniques. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	18
135	. <i>IEEE Access</i> , <b>2020</b> , 8, 33318-33341	3.5	5
134	. <i>IEEE Access</i> , <b>2020</b> , 8, 17179-17220	3.5	39
133	Hybrid Intrusion Detection System Based on the Stacking Ensemble of C5 Decision Tree Classifier and One Class Support Vector Machine. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 173	2.6	49
132	Performance Enhancement of Intrusion detection System Using Bagging Ensemble Technique with Feature Selection <b>2020</b> ,		1

131	API Based Discrimination of Ransomware and Benign Cryptographic Programs. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 177-188	0.9	1
130	. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 2573-2581	10.7	12
129	A Robust Forgery Detection Method for CopyMove and Splicing Attacks in Images. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1500	2.6	0
128	Secrecy capacity against adaptive eavesdroppers in a random wireless network using friendly jammers and protected zone. <i>Journal of Network and Computer Applications</i> , <b>2020</b> , 165, 102698	7.9	2
127	Vulnerability Modelling for Hybrid Industrial Control System Networks. <i>Journal of Grid Computing</i> , <b>2020</b> , 18, 863-878	4.2	8
126	Attacks on Self-Driving Cars and Their Countermeasures: A Survey. <i>IEEE Access</i> , <b>2020</b> , 8, 207308-207342	3.5	13
125	A machine learning approach for prediction of pregnancy outcome following IVF treatment. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 2283-2297	4.8	22
124	A survey on context awareness in big data analytics for business applications. <i>Knowledge and Information Systems</i> , <b>2020</b> , 62, 3387-3415	2.4	7
123	<b>2019</b> ,		1
122	Generative Malware Outbreak Detection <b>2019</b> ,		4
121	. <i>IEEE Transactions on Computational Social Systems</i> , <b>2019</b> , 6, 554-566	4.5	8
120	Survey of intrusion detection systems: techniques, datasets and challenges. <i>Cybersecurity</i> , <b>2019</b> , 2,	5	268
119	Selective Adversarial Learning for Mobile Malware <b>2019</b> ,		2
118	Trusted Autonomous Vehicle: Measuring Trust using On-Board Unit Data <b>2019</b> ,		5
117	Enhancing Branch Predictors using Genetic Algorithm <b>2019</b> ,		2
116	The Co-Evolution of Cloud and IoT Applications. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , <b>2019</b> , 213-234	0.2	4
115	Instruction Cognitive One-Shot Malware Outbreak Detection. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 769-778	0.3	
114	Measuring Trustworthiness of IoT Image Sensor Data Using Other Sensors[Complementary Multimodal Data <b>2019</b> ,		1

113	A novel Ensemble of Hybrid Intrusion Detection System for Detecting Internet of Things Attacks. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 1210	2.6	56
112	Robust Malware Defense in Industrial IoT Applications Using Machine Learning With Selective Adversarial Samples. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 1-1	4.3	8
111	An efficient RANSAC hypothesis evaluation using sufficient statistics for RGB-D pose estimation. <i>Autonomous Robots</i> , <b>2019</b> , 43, 1257-1270	3	4
110	A dynamic content distribution scheme for decentralized sharing in tourist hotspots. <i>Journal of Network and Computer Applications</i> , <b>2019</b> , 129, 9-24	7.9	1
109	Breast Density Classification for Cancer Detection Using DCT-PCA Feature Extraction and Classifier Ensemble. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 702-711	0.4	2
108	An efficient data delivery mechanism for AUV-based Ad hoc UASNs. <i>Future Generation Computer Systems</i> , <b>2018</b> , 86, 1193-1208	7.5	7
107	Modelling majority and expert influences on opinion formation in online social networks. <i>World Wide Web</i> , <b>2018</b> , 21, 663-685	2.9	8
106	Detecting Splicing and Copy-Move Attacks in Color Images <b>2018</b> ,		3
105	Passive Detection of Splicing and Copy-Move Attacks in Image Forgery. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 555-567	0.9	1
104	Mobile Malware Detection - An Analysis of the Impact of Feature Categories. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 486-498	0.9	1
103	Influence of Clustering on the Opinion Formation Dynamics in Online Social Networks. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 144-155	0.9	
102	Detecting Intrusion in the Traffic Signals of an Intelligent Traffic System. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 696-707	0.9	4
101	Dependable large scale behavioral patterns mining from sensor data using Hadoop platform. <i>Information Sciences</i> , <b>2017</b> , 379, 128-145	7.7	19
100	Decentralized content sharing among tourists in visiting hotspots. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 79, 25-40	7.9	3
99	Exclusive Use Spectrum Access Trading Models in Cognitive Radio Networks: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , <b>2017</b> , 19, 2192-2231	37.1	42
98	Survey of Recent Cyber Security Attacks on Robotic Systems and Their Mitigation Approaches. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , <b>2017</b> , 284-299	0.3	4
97	Periodic Associated Sensor Patterns Mining from Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 247-255	0.9	1
96	Search and tracking algorithms for swarms of robots: A survey. <i>Robotics and Autonomous Systems</i> , <b>2016</b> , 75, 422-434	3.5	92

95	An Efficient Data Extraction Framework for Mining Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 491-498	0.9	
94	Modeling multiuser spectrum allocation for cognitive radio networks. <i>Computers and Electrical Engineering</i> , <b>2016</b> , 52, 266-283	4.3	5
93	A data mining approach for machine fault diagnosis based on associated frequency patterns. <i>Applied Intelligence</i> , <b>2016</b> , 45, 638-651	4.9	13
92	PRADD: A path reliability-aware data delivery protocol for underwater acoustic sensor networks. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 75, 385-397	7.9	17
91	Share-Frequent Sensor Patterns Mining from Wireless Sensor Network Data. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2015</b> , 26, 3471-3484	3.7	14
90	A comprehensive spectrum trading scheme based on market competition, reputation and buyer specific requirements. <i>Computer Networks</i> , <b>2015</b> , 84, 17-31	5.4	6
89	A new convergence rate estimation of general artificial immune algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2015</b> , 28, 2793-2800	1.6	3
88	Content exchange among mobile tourists using users' interest and place-centric activities <b>2015</b> ,		1
87	Distinctive Phenotype Identification for Breast Cancer Genotypes Among Hereditary Breast Cancer Mutated Genes. <i>Current Bioinformatics</i> , <b>2015</b> , 10, 5-15	4.7	1
86	Consistency driven opinion formation modelling in presence of external sources <b>2015</b> ,		2
85	Opinion Formation Dynamics Under the Combined Influences of Majority and Experts. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 674-682	0.9	2
84	An efficient pose estimation for limited-resourced MAVs using sufficient statistics <b>2015</b> ,		2
83	Content Sharing among Visitors with Irregular Movement Patterns in Visiting Hotspots <b>2015</b> ,		2
82	Condition monitoring through mining fault frequency from machine vibration data <b>2015</b> ,		1
81	A MapReduce Based Technique for Mining Behavioral Patterns from Sensor Data. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 145-153	0.9	1
80	Mining Associated Patterns from Wireless Sensor Networks. <i>IEEE Transactions on Computers</i> , <b>2015</b> , 64, 1998-2011	2.5	19
79	A novel algorithm for mining behavioral patterns from wireless sensor networks <b>2014</b> ,		3
78	Sensor selection for tracking multiple groups of targets. <i>Journal of Network and Computer Applications</i> , <b>2014</b> , 46, 36-47	7.9	5

77	Reputation and User Requirement Based Price Modeling for Dynamic Spectrum Access. <i>IEEE Transactions on Mobile Computing</i> , <b>2014</b> , 13, 2128-2140	4.6	14
76	Dynamic adjustment of sensing range for event coverage in wireless sensor networks. <i>Journal of Network and Computer Applications</i> , <b>2014</b> , 46, 139-153	7.9	24
75	. <i>IEEE Transactions on Multimedia</i> , <b>2014</b> , 16, 360-372	6.6	5
74	Self and static interference mitigation scheme for coexisting wireless networks. <i>Computers and Electrical Engineering</i> , <b>2014</b> , 40, 307-318	4.3	2
73	A Technique for Parallel Share-frequent Sensor Pattern Mining from Wireless Sensor Networks. <i>Procedia Computer Science</i> , <b>2014</b> , 29, 124-133	1.6	3
72	MPDF: Movement predicted data forwarding protocol for Underwater Acoustic Sensor Networks <b>2014</b> ,		2
71	An Adaptive Approach to Opportunistic Data Forwarding in Underwater Acoustic Sensor Networks <b>2014</b> ,		4
70	A HMM-based adaptive fuzzy inference system for stock market forecasting. <i>Neurocomputing</i> , <b>2013</b> , 104, 10-25	5.4	29
69	An opportunistic message forwarding protocol for underwater acoustic sensor networks <b>2013</b> ,		4
68	. <i>IEEE Transactions on Reliability</i> , <b>2013</b> , 62, 116-126	4.6	5
67	Social-connectivity-aware vertical handover for heterogeneous wireless networks. <i>Journal of Network and Computer Applications</i> , <b>2013</b> , 36, 1131-1139	7.9	6
66	. <i>IEEE Transactions on Reliability</i> , <b>2013</b> , 62, 171-182	4.6	10
65	Multi-step support vector regression and optimally parameterized wavelet packet transform for machine residual life prediction. <i>JVC/Journal of Vibration and Control</i> , <b>2013</b> , 19, 963-974	2	14
64	. <i>IEEE Transactions on Reliability</i> , <b>2013</b> , 62, 160-170	4.6	2
63	Mining associated sensor patterns for data stream of wireless sensor networks <b>2013</b> ,		5
62	Regularly Frequent Patterns Mining from Sensor Data Stream. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 417-424	0.9	14
61	A hybrid of multiobjective Evolutionary Algorithm and HMM-Fuzzy model for time series prediction. <i>Neurocomputing</i> , <b>2012</b> , 81, 1-11	5.4	22
60	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2012</b> , 61, 685-695	5.2	58

59	Application of artificial intelligence to improve quality of service in computer networks. <i>Neural Computing and Applications</i> , <b>2012</b> , 21, 81-90	4.8	3
58	Dynamic Sensors Selection for Overlapped Multiple-Target Tracking Using Eagerness <b>2012</b> ,		1
57	Priority Sensitive Event Detection in Hybrid Wireless Sensor Networks <b>2012</b> ,		7
56	Dynamic Clusters Graph for Detecting Moving Targets Using WSNs <b>2012</b> ,		2
55	Realistic pricing modeling for dynamic spectrum access network <b>2012</b> ,		1
54	Delay-Aware Query Routing Tree for Wireless Sensor Networks <b>2012</b> ,		2
53	<b>2012</b> ,		2
52	Energy-Balanced Transmission Policies for Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2011</b> , 10, 927-940	4.6	42
51	Dynamic Resource Allocation for Improved QoS in WiMAX/WiFi Integration. <i>Studies in Computational Intelligence</i> , <b>2011</b> , 141-156	0.8	
50	QoS Support in Event Detection in WSN through Optimal k-Coverage. <i>Procedia Computer Science</i> , <b>2011</b> , 4, 499-507	1.6	7
49	CODAR: Congestion and Delay Aware Routing to detect time critical events in WSNs <b>2011</b> ,		7
48	Cross layer modeling of contention-based MAC and deterministic routing protocols in multi-hop WSNs <b>2011</b> ,		1
47	Dynamic Event Coverage in Hybrid Wireless Sensor Networks <b>2011</b> ,		1
46	I-MAC: Energy efficient intelligent MAC protocol for wireless sensor networks <b>2011</b> ,		4
45	A new resource distribution model for improved QoS in an integrated WiMAX/WiFi architecture <b>2011</b> ,		3
44	Dynamic Sensor Selection for Target Tracking in Wireless Sensor Networks <b>2011</b> ,		6
43	Dynamic bandwidth access to cognitive radio ad hoc networks through pricing modeling <b>2011</b> ,		2
42	Maximizing the concurrent transmissions in cognitive radio ad hoc networks <b>2011</b> ,		6

41	Hybrid In-Network Query Processing Framework for Wireless Sensor Networks <b>2011</b> ,		1
40	Interference Protection in Cognitive Radio Networks <b>2010</b> ,		3
39	Voice over Multi-Channel Multi-Radio WLANs with Power Capture and Imperfect Channel <b>2010</b> ,		1
38	LACAR: Location Aided Congestion Aware Routing in Wireless Sensor Networks <b>2010</b> ,		3
37	Performance Analysis of PCF Based WLANs with Imperfect Channel and Failure Retries <b>2010</b> ,		9
36	CAM: Congestion Avoidance and Mitigation in Wireless Sensor Networks <b>2010</b> ,		3
35	Performance Analysis of m-Retry BEB Based DCF under Unsaturated Traffic Condition <b>2010</b> ,		6
34	Query Processing over Distributed Heterogeneous Sensor Networks in Future Internet: Scalable Architecture and Challenges <b>2010</b> ,		3
33	An environment-aware mobility model for wireless ad hoc network. <i>Computer Networks</i> , <b>2010</b> , 54, 1470-1489	34	30
32	VoIP Capacity over PCF with Imperfect Channel <b>2009</b> ,		6
31	Hierarchical Adaptive Location Service Protocol for Mobile Ad Hoc Network <b>2009</b> ,		6
30	Combining segmental semi-Markov models with neural networks for protein secondary structure prediction. <i>Neurocomputing</i> , <b>2009</b> , 72, 3943-3950	5.4	21
29	Predicting protein-protein interfaces as clusters of optimal docking area points. <i>International Journal of Data Mining and Bioinformatics</i> , <b>2009</b> , 3, 55-67	0.5	1
28	Weighted soft decision for cooperative sensing in cognitive radio networks <b>2008</b> ,		5
27	Hidden Markov models incorporating fuzzy measures and integrals for protein sequence identification and alignment. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2008</b> , 6, 98-110	6.5	5
26	An Intelligent Model to Control Preemption Rate of Instantaneous Request Calls in Networks with Book-Ahead Reservation <b>2008</b> ,		2
25	Geographic Constraint Mobility Model for Ad Hoc Network <b>2008</b> ,		3
24	VoIP Call Capacity over Wireless Mesh Networks <b>2008</b> ,		8



23	Rerouting in advance for preempted IR calls in QoS-enabled networks. <i>Computer Communications</i> , <b>2008</b> , 31, 3922-3928	5.1	2
22	. <i>IEEE Transactions on Multimedia</i> , <b>2007</b> , 9, 1456-1465	6.6	12
21	Rerouting Technique for Faster Restoration of Preempted Calls <b>2007</b> ,		5
20	Evaluating Performance of Location Service Protocols of Ad-Hoc Wireless Network in Real-World Environment Model <b>2007</b> ,		1
19	A dynamic approach to reduce preemption in book-ahead reservation in QoS-enabled networks. <i>Computer Communications</i> , <b>2006</b> , 29, 1443-1457	5.1	10
18	Book-ahead call routing for flexible lifetime. <i>IEEE Communications Letters</i> , <b>2006</b> , 10, 507-509	3.8	
17	Support vector machines and other pattern recognition approaches to the diagnosis of cerebral palsy gait. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2006</b> , 53, 2479-90	5	93
16	Prediction of Protein-Protein Interface Residues Using Sequence Neighborhood and Surface Properties. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 660-666	0.9	
15	Modeling and Prediction of Foreign Currency Exchange Markets <b>2006</b> , 139-151		
14	A machine learning approach for automated recognition of movement patterns using basic, kinetic and kinematic gait data. <i>Journal of Biomechanics</i> , <b>2005</b> , 38, 401-8	2.9	205
13	Gene Selection and Classification of Human Lymphoma from Microarray Data. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 379-390	0.9	
12	Evaluation of Fuzzy Measures in Profile Hidden Markov Models for Protein Sequences. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 355-366	0.9	
11	Application of Support Vector Machine to Forex Monitoring. <i>IEEJ Transactions on Electronics, Information and Systems</i> , <b>2004</b> , 124, 1944-1951	0.1	3
10	Improving Convergence of Backpropagation Learning using Exponential Cost Function. <i>IEEJ Transactions on Electronics, Information and Systems</i> , <b>2003</b> , 123, 999-1003	0.1	1
9	Development of a neural network based integrated control system of 120 ton/h capacity boiler. <i>Computers and Electrical Engineering</i> , <b>1998</b> , 24, 423-440	4.3	12
8	Object Analysis with Visual Sensors and RFID234-250		0
7	Wireless Sensor Network Protocols Applicable to RFID System251-284		1
6	Security and Privacy in RFID Systems16-40		3

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3 A tree-based stacking ensemble technique with feature selection for network intrusion detection.  
*Applied Intelligence*,1

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2 Overview of Artificial Neural Networks and their Applications in Healthcare1-19

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1 Movement Pattern Recognition Using Neural Networks217-237

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