

# Junaid Qadir

## 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.

156  
papers

3,144  
citations

30  
h-index

50  
g-index

211  
ext. papers

4,562  
ext. citations

4.7  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
156	Big Data in the construction industry: A review of present status, opportunities, and future trends. <i>Advanced Engineering Informatics</i> , <b>2016</b> , 30, 500-521	7.4	272
155	Community detection in networks: A multidisciplinary review. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 108, 87-111	7.9	138
154	. <i>IEEE Access</i> , <b>2016</b> , 4, 7940-7957	3.5	120
153	Big data architecture for construction waste analytics (CWA): A conceptual framework. <i>Journal of Building Engineering</i> , <b>2016</b> , 6, 144-156	5.2	101
152	Mobile Health in the Developing World: Review of Literature and Lessons From a Case Study. <i>IEEE Access</i> , <b>2017</b> , 5, 11540-11556	3.5	90
151	Unsupervised Machine Learning for Networking: Techniques, Applications and Research Challenges. <i>IEEE Access</i> , <b>2019</b> , 7, 65579-65615	3.5	89
150	How 5G Wireless (and Concomitant Technologies) Will Revolutionize Healthcare?. <i>Future Internet</i> , <b>2017</b> , 9, 93	3.3	80
149	A Survey on Reinforcement Learning Models and Algorithms for Traffic Signal Control. <i>ACM Computing Surveys</i> , <b>2017</b> , 50, 1-38	13.4	75
148	Big data for development: applications and techniques. <i>Big Data Analytics</i> , <b>2016</b> , 1,	2.9	66
147	QoS in IEEE 802.11-based wireless networks: A contemporary review. <i>Journal of Network and Computer Applications</i> , <b>2015</b> , 55, 24-46	7.9	66
146	. <i>IEEE Access</i> , <b>2019</b> , 7, 90316-90356	3.5	65
145	Secure and Robust Machine Learning for Healthcare: A Survey. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2021</b> , 14, 156-180	6.4	64
144	Leveraging Data Science to Combat COVID-19: A Comprehensive Review. <i>IEEE Transactions on Artificial Intelligence</i> , <b>2020</b> , 1, 85-103	4.7	63
143	Crisis analytics: big data-driven crisis response. <i>Journal of International Humanitarian Action</i> , <b>2016</b> , 1,	1.4	61
142	On Using Micro-Clouds to Deliver the Fog. <i>IEEE Internet Computing</i> , <b>2017</b> , 21, 8-15	2.4	58
141	Low-Latency Broadcast in Multirate Wireless Mesh Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2006</b> , 24, 2081-2091	14.2	56
140	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2020</b> , 22, 998-1026	37.1	53

139	Phonocardiographic Sensing Using Deep Learning for Abnormal Heartbeat Detection. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 9393-9400	4	51
138	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2015</b> , 17, 2176-2213	37.1	50
137	Genetic algorithms in wireless networking: techniques, applications, and issues. <i>Soft Computing</i> , <b>2016</b> , 20, 2467-2501	3.5	49
136	Reliability modeling and analysis of communication networks. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 78, 191-215	7.9	46
135	Big data analytics enhanced healthcare systems: a review. <i>Journal of Supercomputing</i> , <b>2020</b> , 76, 1754-1799	2.5	46
134	Machine Learning for Predicting Epileptic Seizures Using EEG Signals: A Review. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2021</b> , 14, 139-155	6.4	43
133	Analysis of critical features and evaluation of BIM software: towards a plug-in for construction waste minimization using big data. <i>International Journal of Sustainable Building Technology and Urban Development</i> , <b>2015</b> , 6, 211-228		39
132	Transfer Learning for Improving Speech Emotion Classification Accuracy		39
131	Artificial intelligence based cognitive routing for cognitive radio networks. <i>Artificial Intelligence Review</i> , <b>2016</b> , 45, 25-96	9.7	37
130	Neural networks in wireless networks: Techniques, applications and guidelines. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 68, 1-27	7.9	37
129	Generative Adversarial Networks For Launching and Thwarting Adversarial Attacks on Network Intrusion Detection Systems <b>2019</b> ,		34
128	Applying Formal Methods to Networking: Theory, Techniques, and Applications. <i>IEEE Communications Surveys and Tutorials</i> , <b>2015</b> , 17, 256-291	37.1	33
127	Route Selection for Multi-Hop Cognitive Radio Networks Using Reinforcement Learning: An Experimental Study. <i>IEEE Access</i> , <b>2016</b> , 4, 6304-6324	3.5	31
126	Application of reinforcement learning for security enhancement in cognitive radio networks. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 37, 809-829	7.5	29
125	. <i>IT Professional</i> , <b>2019</b> , 21, 16-24	1.9	29
124	Minimum Latency Broadcasting in Multiradio, Multichannel, Multirate Wireless Meshes. <i>IEEE Transactions on Mobile Computing</i> , <b>2009</b> , 8, 1510-1523	4.6	27
123	. <i>IEEE Access</i> , <b>2018</b> , 6, 35072-35090	3.5	27
122	Routing protocols in Delay Tolerant Networks - a survey <b>2010</b> ,		26

121	Intelligent building control systems for thermal comfort and energy-efficiency: A systematic review of artificial intelligence-assisted techniques. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 144, 110969	16.2	26
120	Feasibility, architecture and cost considerations of using TVWS for rural Internet access in 5G <b>2017</b> ,		24
119	. <i>IEEE Access</i> , <b>2020</b> , 8, 83387-83404	3.5	24
118	Deep Learning-Based Rumor Detection on Microblogging Platforms: A Systematic Review. <i>IEEE Access</i> , <b>2019</b> , 7, 152788-152812	3.5	22
117	Building programmable wireless networks: an architectural survey. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2014</b> , 2014,	3.2	22
116	SDN Flow Entry Management Using Reinforcement Learning. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , <b>2018</b> , 13, 1-23	1.2	22
115	COVID-19 digital contact tracing applications and techniques: A review post initial deployments. <i>Transportation Engineering</i> , <b>2021</b> , 5, 100072	3	22
114	. <i>IEEE Access</i> , <b>2019</b> , 7, 48236-48255	3.5	21
113	A bibliometric analysis of publications in computer networking research. <i>Scientometrics</i> , <b>2019</b> , 119, 112131155	20	
112	The past, present, and future of transport-layer multipath. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 75, 236-258	7.9	19
111	Retrospective Motion Correction in Multishot MRI using Generative Adversarial Network. <i>Scientific Reports</i> , <b>2020</b> , 10, 4786	4.9	18
110	Shedding Light on the Dark Corners of the Internet: A Survey of Tor Research. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 114, 1-28	7.9	18
109	Multicasting in cognitive radio networks: Algorithms, techniques and protocols. <i>Journal of Network and Computer Applications</i> , <b>2014</b> , 45, 44-61	7.9	18
108	Minimum Latency Broadcasting in Multi-Radio Multi-Channel Multi-Rate Wireless Meshes <b>2006</b> ,		18
107	A Student Primer on How to Thrive in Engineering Education during and beyond COVID-19. <i>Education Sciences</i> , <b>2020</b> , 10, 236	2.2	18
106	Spectrum-aware dynamic channel assignment in cognitive radio networks <b>2012</b> ,		17
105	Wireless Technologies for Emergency Response: A Comprehensive Review and Some Guidelines. <i>IEEE Access</i> , <b>2018</b> , 6, 71814-71838	3.5	16
104	Speech Technology for Healthcare: Opportunities, Challenges, and State of the Art. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2021</b> , 14, 342-356	6.4	15

103	Cross Lingual Speech Emotion Recognition: Urdu vs. Western Languages <b>2018,</b>		15
102	Variational Autoencoders for Learning Latent Representations of Speech Emotion: A Preliminary Study		14
101	Machine learning based optimized live virtual machine migration over WAN links. <i>Telecommunication Systems, 2017, 64, 245-257</i>	2.3	13
100	IEEE ACCESS SPECIAL SECTION EDITORIAL: ARTIFICIAL INTELLIGENCE ENABLED NETWORKING. <i>IEEE Access, 2015, 3, 3079-3082</i>	3.5	13
99	SDNs, Clouds, and Big Data: New Opportunities <b>2014,</b>		13
98	Backup channel and cooperative channel switching on-demand routing protocol for multi-hop cognitive radio ad hoc networks (BCCCS) <b>2010,</b>		12
97	Energy Balanced Localization-Free Cooperative Noise-Aware Routing Protocols for Underwater Wireless Sensor Networks. <i>Energies, 2019, 12, 4263</i>	3.1	12
96	. <i>IEEE Internet of Things Journal, 2021, 8, 2943-2958</i>	10.7	12
95	FAdEML: Understanding the Impact of Pre-Processing Noise Filtering on Adversarial Machine Learning <b>2019,</b>		11
94	Soft Computing Techniques for Dependable Cyber-Physical Systems. <i>IEEE Access, 2019, 7, 72030-72049</i>	3.5	11
93	Will 5G See its Blind Side? Evolving 5G for Universal Internet Access <b>2016,</b>		11
92	. <i>IEEE Access, 2020, 8, 208518-208531</i>	3.5	11
91	. <i>IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 28-43</i>	6.6	11
90	Adversarial Attacks on Cognitive Self-Organizing Networks: The Challenge and the Way Forward <b>2018,</b>		11
89	A measurement study of open source SDN layers in OpenStack under network perturbation. <i>Computer Communications, 2017, 102, 139-149</i>	5.1	10
88	. <i>IEEE Access, 2018, 6, 39595-39605</i>	3.5	10
87	Using deep autoencoders for facial expression recognition <b>2017,</b>		10
86	<b>2012,</b>		10

85	Sentence-Level Classification Using Parallel Fuzzy Deep Learning Classifier. <i>IEEE Access</i> , <b>2021</b> , 9, 17943-17985	10
84	Socially-aware congestion control in ad-hoc networks: Current status and the way forward. <i>Future Generation Computer Systems</i> , <b>2019</b> , 97, 634-660	7.5 9
83	Securing Machine Learning in the Cloud: A Systematic Review of Cloud Machine Learning Security. <i>Frontiers in Big Data</i> , <b>2020</b> , 3, 587139	2.8 9
82	Localized minimum-latency broadcasting in multi-radio multi-rate wireless mesh networks <b>2008</b> ,	9
81	Budgeted Online Selection of Candidate IoT Clients to Participate in Federated Learning. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 5938-5952	10.7 9
80	. <i>IEEE Access</i> , <b>2018</b> , 6, 1055-1072	3.5 8
79	Black-box Adversarial Machine Learning Attack on Network Traffic Classification <b>2019</b> ,	8
78	Fuzzy Q-learning-based user-centric backhaul-aware user cell association scheme <b>2017</b> ,	8
77	High-throughput transmission-quality-aware broadcast routing in cognitive radio networks. <i>Wireless Networks</i> , <b>2015</b> , 21, 1193-1210	2.5 8
76	Developing future human-centered smart cities: Critical analysis of smart city security, Data management, and Ethical challenges. <i>Computer Science Review</i> , <b>2022</b> , 43, 100452	8.3 8
75	Leveraging Data Science To Combat COVID-19: A Comprehensive Review	8
74	Examining Machine Learning for 5G and Beyond Through an Adversarial Lens. <i>IEEE Internet Computing</i> , <b>2021</b> , 25, 26-34	2.4 8
73	Unsupervised Adversarial Domain Adaptation for Cross-Lingual Speech Emotion Recognition <b>2019</b> ,	8
72	Learning automata based multipath multicasting in cognitive radio networks. <i>Journal of Communications and Networks</i> , <b>2015</b> , 17, 406-418	4.1 7
71	. <i>IEEE Access</i> , <b>2018</b> , 6, 44459-44472	3.5 7
70	Quantifying the Multiple Cognitive Radio Interfaces Advantage <b>2013</b> ,	7
69	Mobile Technologies for Managing Non-Communicable Diseases in Developing Countries. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 261-287	0.2 7
68	Particle Swarm Optimized Federated Learning For Industrial IoT and Smart City Services <b>2020</b> ,	7

67	Towards Mobile Edge Computing: Taxonomy, Challenges, Applications and Future Realms. <i>IEEE Access</i> , <b>2020</b> , 8, 189129-189162	3.5	7
66	. <i>IEEE Technology and Society Magazine</i> , <b>2019</b> , 38, 82-90	0.8	7
65	A MapReduce Opinion Mining for COVID-19-Related Tweets Classification Using Enhanced ID3 Decision Tree Classifier. <i>IEEE Access</i> , <b>2021</b> , 9, 58706-58739	3.5	7
64	Early Student Grade Prediction: An Empirical Study <b>2019</b> ,		6
63	Energy-Aware and Reliability-Based Localization-Free Cooperative Acoustic Wireless Sensor Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 121366-121384	3.5	6
62	Low-cost sustainable wireless Internet service for rural areas. <i>Wireless Networks</i> , <b>2018</b> , 24, 1439-1450	2.5	6
61	IEEE Access Special Section Editorial: Health Informatics for the Developing World. <i>IEEE Access</i> , <b>2017</b> , 5, 27818-27823	3.5	6
60	Exploiting Rate Diversity for Multicasting in Multi-Radio Wireless Mesh Networks. <i>Local Computer Networks (LCN), Proceedings of the IEEE Conference on</i> , <b>2006</b> ,		6
59	The Adversarial Machine Learning Conundrum: Can the Insecurity of ML Become the Achilles' Heel of Cognitive Networks?. <i>IEEE Network</i> , <b>2020</b> , 34, 196-203	11.4	6
58	A game-theoretic spectrum allocation framework for mixed unicast and broadcast traffic profile in cognitive radio networks <b>2013</b> ,		5
57	Prediction-based channel zapping latency reduction techniques for IPTV systems [A survey] <b>2009</b> ,		5
56	Advances and Challenges with Data Broadcasting in Wireless Mesh Networks <b>2007</b> , 45, 78-85		5
55	Security and privacy of internet of medical things: A contemporary review in the age of surveillance, botnets, and adversarial ML. <i>Journal of Network and Computer Applications</i> , <b>2022</b> , 201, 103332	7.9	5
54	. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2021</b> , 5, 587-599	4	5
53	Resource Pooling For Wireless Networks. <i>Computer Communication Review</i> , <b>2016</b> , 46, 30-35	1.4	5
52	EthReview: An Ethereum-based Product Review System for Mitigating Rating Frauds. <i>Computers and Security</i> , <b>2021</b> , 100, 102094	4.9	5
51	Challenges and Countermeasures for Adversarial Attacks on Deep Reinforcement Learning. <i>IEEE Transactions on Artificial Intelligence</i> , <b>2021</b> , 1-1	4.7	5
50	Survey of Deep Representation Learning for Speech Emotion Recognition. <i>IEEE Transactions on Affective Computing</i> , <b>2021</b> , 1-1	5.7	5

49	. <i>IEEE Potentials</i> , <b>2015</b> , 34, 30-35	1	4
48	. <i>IEEE Access</i> , <b>2020</b> , 8, 1458-1474	3.5	4
47	<b>2017</b> ,		4
46	A Generative Model to Synthesize EEG Data for Epileptic Seizure Prediction. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2021</b> , 29, 2322-2332	4.8	4
45	A Student Primer On How to Thrive in Post-COVID-19 Engineering Education		4
44	The Triple Imperatives of Online Teaching: Equity, Inclusion, and Effectiveness		4
43	Persuasive Technology for Human Development: Review and Case Study. <i>EAI Endorsed Transactions on Serious Games</i> , <b>2017</b> , 4, 153401	1	4
42	Artificial Intelligence in Education: A Panoramic Review		4
41	Exploring Media Bias and Toxicity in South Asian Political Discourse <b>2018</b> ,		4
40	User Transmit Power Minimization through Uplink Resource Allocation and User Association in HetNets <b>2018</b> ,		4
39	Using phase shift fingerprints and inertial measurements in support of precise localization in urban areas. <i>Personal and Ubiquitous Computing</i> , <b>2019</b> , 23, 861-872	2.1	3
38	Computational Intelligence for Internet of Things in the Big Data Era (Part II) [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , <b>2020</b> , 15, 22-23	5.6	3
37	Taming limits with approximate networking <b>2016</b> ,		3
36	Weather Forecast Information Dissemination Design For Low-Literate Farmers <b>2017</b> ,		3
35	Localized Minimum-Latency Broadcasting in Multi-rate Wireless Mesh Networks <b>2007</b> ,		3
34	A deep dive into COVID-19-related messages on WhatsApp in Pakistan. <i>Social Network Analysis and Mining</i> , <b>2022</b> , 12, 5	2.2	3
33	Engineering Education, Moving into 2020s: Essential Competencies for Effective 21st Century Electrical and Computer Engineers		3
32	A First Look at COVID-19 Messages on WhatsApp in Pakistan <b>2020</b> ,		3



31	MP-ALM: Exploring Reliable Multipath Multicast Streaming with Multipath TCP <b>2016</b> ,		3
30	Adversarial Machine Learning Attack on Modulation Classification <b>2019</b> ,		3
29	Sustainable development viewed from the lens of Islam. <i>International Journal of Pluralism and Economics Education</i> , <b>2019</b> , 10, 46	0.3	3
28	Opportunistic Selection of Vehicular Data Brokers as Relay Nodes to the Cloud <b>2020</b> ,		2
27	Computational Intelligence Techniques for Mobile Network Optimization [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , <b>2018</b> , 13, 28-28	5.6	2
26	. <i>IEEE Potentials</i> , <b>2018</b> , 37, 33-38	1	2
25	Engineering Education, Moving into 2020s : Essential Competencies for Effective 21st Century Electrical & Computer Engineers <b>2020</b> ,		2
24	Single-Shot Retinal Image Enhancement Using Deep Image Priors. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 636-646	0.9	2
23	A Genetic Algorithm Assisted Resource Management Scheme for Reliable Multimedia Delivery over Cognitive Networks. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 352-367	0.9	2
22	Utilizing Loss Tolerance and Bandwidth Expansion for Energy Efficient User Association in HetNets <b>2020</b> ,		2
21	WiMesh: leveraging mesh networking for disaster communication in resource-constrained settings. <i>Wireless Networks</i> , <b>2021</b> , 27, 2785-2812	2.5	2
20	Sentiment analysis of controversial topics on Pakistan's Twitter user-base <b>2016</b> ,		2
19	Employing Industrial Quality Management Systems for Quality Assurance in Outcome-Based Engineering Education: A Review. <i>Education Sciences</i> , <b>2021</b> , 11, 45	2.2	2
18	Universal Access in 5G Networks: Potential Challenges and Opportunities for Urban and Rural Environments <b>2018</b> , 299-326		2
17	Quran Reciter Identification: A Deep Learning Approach <b>2018</b> ,		2
16	. <i>IEEE Access</i> , <b>2021</b> , 9, 81678-81692	3.5	2
15	The Islamic Worldview and Development Ideals. <i>SSRN Electronic Journal</i> , <b>2017</b> ,	1	1
14	Approximate Networking for Universal Internet Access. <i>Future Internet</i> , <b>2017</b> , 9, 94	3.3	1

13	Broadcasting in cognitive wireless mesh networks with dynamic channel conditions <b>2010</b> ,		1
12	A Sustainable Marriage of Telcos and Transp in the Era of Big Data: Are We Ready?. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 210-219 <sup>0.2</sup>		1
11	Five decades of the ACM special interest group on data communications (SIGCOMM). <i>Computer Communication Review</i> , <b>2019</b> , 49, 29-37	1.4	1
10	A Deep Reinforcement Learning Based Intrusion Detection System (DRL-IDS) for Securing Wireless Sensor Networks and Internet of Things. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2020</b> , 73-87	0.2	1
9	A Sustainable Connectivity Model of the Internet Access Technologies in Rural and Low-Income Areas. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 93-102	0.2	1
8	What Every Student Should Know? 7 Cardinal Mistakes & Their Solutions. <i>SSRN Electronic Journal</i> ,	1	1
7	Maximizing secrecy rate of an orthogonal frequency division multiplexing-based multihop underwater acoustic sensor network. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2020</b> , 31, e4106	1.9	1
6	Wireless technologies for development [Guest Editorial] <b>2016</b> , 54, 18-19		1
5	Computational Intelligence for Internet of Things in the Big Data Era (Part I) [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , <b>2019</b> , 14, 11-88	5.6	1
4	Urdu language based information dissemination system for low-literate farmers <b>2019</b> ,		1
3	Teaching Ethics, (Islamic) Values and Technology: Musings on Course Design and Experience <b>2018</b> ,		1
2	Fake visual content detection using two-stream convolutional neural networks. <i>Neural Computing and Applications</i> , <b>2022</b> , 34, 7991	4.8	0
1	Network as a service: A new vista of opportunities. <i>IEEE Potentials</i> , <b>2022</b> , 41, 35-43	1	