Ibrar Yaqoob

List of Publications by Citations

79 papers	6,590 citations	34 h-index	81 g-index
81 ext. papers	8,813 ext. citations	5.8 avg, IF	6.5 L-index

#	Paper	IF	Citations
79	The rise of big data on cloud computing: Review and open research issues. *Information Systems*, **2015**, 47, 98-115	2.7	1382
78	The role of big data in smart city. *International Journal of Information Management*, **2016**, 36, 748-758	16.4	576
77	Big IoT Data Analytics: Architecture, Opportunities, and Open Research Challenges. *IEEE Access*, **2017**, 5, 5247-5261	3.5	396
76	Internet-of-Things-Based Smart Cities: Recent Advances and Challenges **2017**, 55, 16-24		312
75	Internet of Things Architecture: Recent Advances, Taxonomy, Requirements, and Open Challenges. *IEEE Wireless Communications*, **2017**, 24, 10-16	13.4	310
74	The role of big data analytics in Internet of Things. *Computer Networks*, **2017**, 129, 459-471	5.4	299
73	Edge computing: A survey. *Future Generation Computer Systems*, **2019**, 97, 219-235	7.5	266
72	Internet-of-things-based smart environments: state of the art, taxonomy, and open research challenges. *IEEE Wireless Communications*, **2016**, 23, 10-16	13.4	225
71	Big data: From beginning to future. *International Journal of Information Management*, **2016**, 36, 1231-1247	16.4	209
70	Big data: survey, technologies, opportunities, and challenges. *Scientific World Journal, The*, **2014**, 2014, 712826	2.2	206
69	The Role of Edge Computing in Internet of Things. *IEEE Communications Magazine*, **2018**, 56, 110-115	9.1	156
68	The rise of ransomware and emerging security challenges in the Internet of Things. *Computer Networks*, **2017**, 129, 444-458	5.4	139
67	Internet of things forensics: Recent advances, taxonomy, requirements, and open challenges. *Future Generation Computer Systems*, **2019**, 92, 265-275	7.5	134
66	The role of big data analytics in industrial Internet of Things. *Future Generation Computer Systems*, **2019**, 99, 247-259	7.5	133
65	Enabling Communication Technologies for Smart Cities **2017**, 55, 112-120		122
64	A survey of big data management: Taxonomy and state-of-the-art. *Journal of Network and Computer Applications*, **2016**, 71, 151-166	7.9	111
63	Edge-Computing-Enabled Smart Cities: A Comprehensive Survey. *IEEE Internet of Things Journal*, **2020**, 7, 10200-10232	10.7	104

62	Bringing Computation Closer toward the User Network: Is Edge Computing the Solution? **2017**, 55, 138-144		100
61	Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 1761-1804	37.1	94
60	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. *IEEE Access*, **2020**, 8, 147029-147044	3.5	78
59	Overcoming the Key Challenges to Establishing Vehicular Communication: Is SDN the Answer? **2017**, 55, 128-134		67
58	Big Data Analytics in Industrial IoT Using a Concentric Computing Model **2018**, 56, 37-43		65
57	Mobile ad hoc cloud: A survey. *Wireless Communications and Mobile Computing*, **2016**, 16, 2572-2589	1.9	59
56	Autonomous Driving Cars in Smart Cities: Recent Advances, Requirements, and Challenges. *IEEE Network*, **2020**, 34, 174-181	11.4	57
55	Blockchain for Digital Twins: Recent Advances and Future Research Challenges. *IEEE Network*, **2020**, 34, 290-298	11.4	54
54	Network Slicing: Recent Advances, Taxonomy, Requirements, and Open Research Challenges. *IEEE Access*, **2020**, 8, 36009-36028	3.5	52
53	MapReduce: Review and open challenges. *Scientometrics*, **2016**, 109, 389-422	3	51
52	A Blockchain-Based Approach for the Creation of Digital Twins. *IEEE Access*, **2020**, 8, 34113-34126	3.5	47
51	Blockchain for IoT-based smart cities: Recent advances, requirements, and future challenges. *Journal of Network and Computer Applications*, **2021**, 181, 103007	7.9	44
50	The role of blockchain technology in telehealth and telemedicine. *International Journal of Medical Informatics*, **2021**, 148, 104399	5.3	43
49	Blockchain for healthcare data management: opportunities, challenges, and future recommendations. *Neural Computing and Applications*,1	4.8	42
48	Blockchain-Based Solution for COVID-19 Digital Medical Passports and Immunity Certificates. *IEEE Access*, **2020**, 8, 222093-222108	3.5	38
47	Social-Aware Resource Allocation and Optimization for D2D Communication. *IEEE Wireless Communications*, **2017**, 24, 122-129	13.4	34
46	Blockchain-Based Forward Supply Chain and Waste Management for COVID-19 Medical Equipment and Supplies. *IEEE Access*, **2021**, 9, 44905-44927	3.5	34
45	Infotainment Enabled Smart Cars: A Joint Communication, Caching, and Computation Approach. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 8408-8420	6.8	33

44	**2018**, 56, 102-108		32
43	Automating Procurement Contracts in the Healthcare Supply Chain Using Blockchain Smart Contracts. *IEEE Access*, **2021**, 9, 37397-37409	3.5	31
42	Process Migration-Based Computational Offloading Framework for IoT-Supported Mobile Edge/Cloud Computing. *IEEE Internet of Things Journal*, **2020**, 7, 4171-4182	10.7	28
41	. *IEEE Access*, **2020**, 8, 193102-193115	3.5	27
40	Ensuring protocol compliance and data transparency in clinical trials using Blockchain smart contracts. *BMC Medical Research Methodology*, **2020**, 20, 224	4.7	24
39	Heterogeneity-Aware Task Allocation in Mobile Ad Hoc Cloud. *IEEE Access*, **2017**, 5, 1779-1795	3.5	23
38	Data Collection in Smart Communities Using Sensor Cloud: Recent Advances, Taxonomy, and Future Research Directions. *IEEE Communications Magazine*, **2018**, 56, 192-197	9.1	22
37	Applications of Blockchain Technology in Clinical Trials: Review and Open Challenges. *Arabian Journal for Science and Engineering*, **2021**, 46, 3001-3015	2.5	21
36	VANET□TE based heterogeneous vehicular clustering for driving assistance and route planning applications. *Computer Networks*, **2018**, 145, 128-140	5.4	21
35	Blockchain-Based Solution for the Traceability of Spare Parts in Manufacturing. *IEEE Access*, **2020**, 8, 100308-100322	3.5	20
34	Managing big RDF data in clouds: Challenges, opportunities, and solutions. *Sustainable Cities and Society*, **2018**, 39, 375-386	10.1	19
33	. *IEEE Communications Magazine*, **2018**, 56, 164-171	9.1	18
32	. *IEEE Access*, **2020**, 8, 168854-168864	3.5	18
31	An Application Development Framework for Internet-of-Things Service Orchestration. *IEEE Internet of Things Journal*, **2020**, 7, 4543-4556	10.7	16
30	A novel countermeasure technique for reactive jamming attack in internet of things. *Multimedia Tools and Applications*, **2019**, 78, 29899-29920	2.5	13
29	appXchain: Application-Level Interoperability for Blockchain Networks. *IEEE Access*, **2021**, 9, 87777-87791	3.5	13
28	Towards Coexistence of Cellular and WiFi Networks in Unlicensed Spectrum: A Neural Networks Based Approach. *IEEE Access*, **2019**, 7, 110023-110034	3.5	12
27	MapReduce scheduling algorithms: a review. *Journal of Supercomputing*, **2020**, 76, 4915-4945	2.5	12

26	Blockchain for aerospace and defense: Opportunities and open research challenges. *Computers and Industrial Engineering*, **2021**, 151, 106982	6.4	12
25	Blockchain-Based Multi-Party Authorization for Accessing IPFS Encrypted Data. *IEEE Access*, **2020**, 8, 196813-196825	3.5	11
24	Blockchain-Based Solution for Distribution and Delivery of COVID-19 Vaccines. *IEEE Access*, **2021**, 9, 71372-71387	3.5	11
23	Green industrial networking: recent advances, taxonomy, and open research challenges **2016**, 54, 38-45		10
22	**2013**,		10
21	Blockchain Architectures for Physical Internet: A Vision, Features, Requirements, and Applications. *IEEE Network*, **2021**, 35, 174-181	11.4	9
20	COVID-19 Contact Tracing Using Blockchain. *IEEE Access*, **2021**, 9, 62956-62971	3.5	9
19	Blockchain for Waste Management in Smart Cities: A Survey. *IEEE Access*, **2021**, 9, 131520-131541	3.5	8
18	Blockchain and COVID-19 Pandemic: Applications and Challenges		7
17	. *IEEE Access*, **2020**, 8, 225777-225791	3.5	6
16	Low-energy plasma focus device as an electron beam source. *Scientific World Journal, The*, **2014**, 2014, 240729	2.2	5
15	. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-16	6.1	5
14	Blockchain-Based Solution for Product Recall Management in the Automotive Supply Chain. *IEEE Access*, **2021**, 9, 167756-167775	3.5	4
13	Trustworthy IoT Data Streaming using Blockchain and IPFS. *IEEE Access*, **2022**, 1-1	3.5	2
12	Blockchain-Based Energy Trading in Electric Vehicles Using an Auctioning and Reputation Scheme. *IEEE Access*, **2021**, 9, 165542-165556	3.5	2
11	. *IEEE Access*, **2021**, 9, 151944-151959	3.5	2
10	Blockchain for Electric Vehicles Energy Trading: Requirements, Opportunities, and Challenges. *IEEE Access*, **2021**, 9, 156947-156961	3.5	2
9	Blockchain-Based Decentralized Digital Manufacturing and Supply for COVID-19 Medical Devices and Supplies. *IEEE Access*, **2021**, 9, 137923-137940	3.5	2

8	Trustworthy Blockchain Gateways for Resource-Constrained Clients and IoT Devices. *IEEE Access*, **2021**, 1-1	3.5	2
7	Blockchain in oil and gas industry: Applications, challenges, and future trends. *Technology in Society*, **2022**, 68, 101941	6.3	2
6	Cognitive Radio Sensor Networks. *Advances in Wireless Technologies and Telecommunication Book Series*, **2014**, 160-195	0.2	1
5	Blockchain-Based Solution for the Administration of Controlled Medication. *IEEE Access*, **2021**, 9, 145397-145414	3.5	1
4	The Role of Blockchain Technology in Aviation Industry. *IEEE Aerospace and Electronic Systems Magazine*, **2021**, 36, 4-15	2.4	1
3	Blockchain for deep learning: review and open challenges.. *Cluster Computing*, **2022**, 1-25	2.1	1
2	Blockchain-based Management for Organ Donation and Transplantation. *IEEE Access*, **2022**, 1-1	3.5	1
1	. *IEEE Access*, **2021**, 9, 163016-163032	3.5	0