

Ibrar Yaqoob

List of Publications by Year in descending order

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79
papers

10,989
citations

94269

37
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82410

72
g-index

81
all docs

81
docs citations

81
times ranked

10066
citing authors

#	ARTICLE	IF	CITATIONS
1	Blockchain for deep learning: review and open challenges. Cluster Computing, 2023, 26, 197-221.	3.5	40
2	A Novel Contract Theory-Based Incentive Mechanism for Cooperative Task-Offloading in Electrical Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8380-8395.	4.7	17
3	Blockchain for healthcare data management: opportunities, challenges, and future recommendations. Neural Computing and Applications, 2022, 34, 11475-11490.	3.2	165
4	Trustworthy IoT Data Streaming Using Blockchain and IPFS. IEEE Access, 2022, 10, 17707-17721.	2.6	30
5	Blockchain in oil and gas industry: Applications, challenges, and future trends. Technology in Society, 2022, 68, 101941.	4.8	23
6	Blockchain-Based Management for Organ Donation and Transplantation. IEEE Access, 2022, 10, 59013-59025.	2.6	11
7	A Blockchain-Based Solution for Mitigating Overproduction and Underconsumption of Medical Supplies. IEEE Access, 2022, 10, 71669-71682.	2.6	4
8	Applications of Blockchain Technology in Clinical Trials: Review and Open Challenges. Arabian Journal for Science and Engineering, 2021, 46, 3001-3015.	1.7	47
9	Blockchain Architectures for Physical Internet: A Vision, Features, Requirements, and Applications. IEEE Network, 2021, 35, 174-181.	4.9	20
10	Trustworthy Blockchain Gateways for Resource-Constrained Clients and IoT Devices. IEEE Access, 2021, 9, 132875-132887.	2.6	4
11	Blockchain-Based Forward Supply Chain and Waste Management for COVID-19 Medical Equipment and Supplies. IEEE Access, 2021, 9, 44905-44927.	2.6	93
12	Blockchain-Based Solution for Distribution and Delivery of COVID-19 Vaccines. IEEE Access, 2021, 9, 71372-71387.	2.6	37
13	The Role of Blockchain Technology in Aviation Industry. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 4-15.	2.3	17
14	The role of blockchain technology in telehealth and telemedicine. International Journal of Medical Informatics, 2021, 148, 104399.	1.6	123
15	Blockchain for IoT-based smart cities: Recent advances, requirements, and future challenges. Journal of Network and Computer Applications, 2021, 181, 103007.	5.8	139
16	COVID-19 Contact Tracing Using Blockchain. IEEE Access, 2021, 9, 62956-62971.	2.6	27
17	appXchain: Application-Level Interoperability for Blockchain Networks. IEEE Access, 2021, 9, 87777-87791.	2.6	31
18	Automating Procurement Contracts in the Healthcare Supply Chain Using Blockchain Smart Contracts. IEEE Access, 2021, 9, 37397-37409.	2.6	109

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19	Blockchain for aerospace and defense: Opportunities and open research challenges. Computers and Industrial Engineering, 2021, 151, 106982.	3.4	43
20	Blockchain for Waste Management in Smart Cities: A Survey. IEEE Access, 2021, 9, 131520-131541.	2.6	32
21	Blockchain-Based Decentralized Digital Manufacturing and Supply for COVID-19 Medical Devices and Supplies. IEEE Access, 2021, 9, 137923-137940.	2.6	18
22	Blockchain-Based Solution for the Administration of Controlled Medication. IEEE Access, 2021, 9, 145397-145414.	2.6	8
23	Blockchain-Based Energy Trading in Electric Vehicles Using an Auctioning and Reputation Scheme. IEEE Access, 2021, 9, 165542-165556.	2.6	9
24	Blockchain-Enabled Telehealth Services Using Smart Contracts. IEEE Access, 2021, 9, 151944-151959.	2.6	14
25	Blockchain for Electric Vehicles Energy Trading: Requirements, Opportunities, and Challenges. IEEE Access, 2021, 9, 156947-156961.	2.6	17
26	Blockchain-Based Solution for Product Recall Management in the Automotive Supply Chain. IEEE Access, 2021, 9, 167756-167775.	2.6	15
27	Blockchain-Based Management of Blood Donation. IEEE Access, 2021, 9, 163016-163032.	2.6	12
28	MapReduce scheduling algorithms: a review. Journal of Supercomputing, 2020, 76, 4915-4945.	2.4	24
29	Autonomous Driving Cars in Smart Cities: Recent Advances, Requirements, and Challenges. IEEE Network, 2020, 34, 174-181.	4.9	155
30	Process Migration-Based Computational Offloading Framework for IoT-Supported Mobile Edge/Cloud Computing. IEEE Internet of Things Journal, 2020, 7, 4171-4182.	5.5	44
31	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. IEEE Access, 2020, 8, 147029-147044.	2.6	193
32	Blockchain for Giving Patients Control Over Their Medical Records. IEEE Access, 2020, 8, 193102-193115.	2.6	73
33	Ensuring protocol compliance and data transparency in clinical trials using Blockchain smart contracts. BMC Medical Research Methodology, 2020, 20, 224.	1.4	47
34	Blockchain-Based Solution for COVID-19 Digital Medical Passports and Immunity Certificates. IEEE Access, 2020, 8, 222093-222108.	2.6	85
35	Blockchain-Based Multi-Party Authorization for Accessing IPFS Encrypted Data. IEEE Access, 2020, 8, 196813-196825.	2.6	32
36	Blockchain for Digital Twins: Recent Advances and Future Research Challenges. IEEE Network, 2020, 34, 290-298.	4.9	136

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37	Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1761-1804.	24.8	208
38	Blockchain-Based Solution for the Traceability of Spare Parts in Manufacturing. IEEE Access, 2020, 8, 100308-100322.	2.6	43
39	An Application Development Framework for Internet-of-Things Service Orchestration. IEEE Internet of Things Journal, 2020, 7, 4543-4556.	5.5	40
40	A Blockchain-Based Approach for the Creation of Digital Twins. IEEE Access, 2020, 8, 34113-34126.	2.6	102
41	Network Slicing: Recent Advances, Taxonomy, Requirements, and Open Research Challenges. IEEE Access, 2020, 8, 36009-36028.	2.6	121
42	Edge-Computing-Enabled Smart Cities: A Comprehensive Survey. IEEE Internet of Things Journal, 2020, 7, 10200-10232.	5.5	219
43	Resource Optimized Federated Learning-Enabled Cognitive Internet of Things for Smart Industries. IEEE Access, 2020, 8, 168854-168864.	2.6	36
44	Fully Decentralized Multi-Party Consent Management for Secure Sharing of Patient Health Records. IEEE Access, 2020, 8, 225777-225791.	2.6	31
45	Towards Coexistence of Cellular and WiFi Networks in Unlicensed Spectrum: A Neural Networks Based Approach. IEEE Access, 2019, 7, 110023-110034.	2.6	18
46	Infotainment Enabled Smart Cars: A Joint Communication, Caching, and Computation Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 8408-8420.	3.9	52
47	The role of big data analytics in industrial Internet of Things. Future Generation Computer Systems, 2019, 99, 247-259.	4.9	234
48	Edge computing: A survey. Future Generation Computer Systems, 2019, 97, 219-235.	4.9	634
49	Internet of things forensics: Recent advances, taxonomy, requirements, and open challenges. Future Generation Computer Systems, 2019, 92, 265-275.	4.9	217
50	A novel countermeasure technique for reactive jamming attack in internet of things. Multimedia Tools and Applications, 2019, 78, 29899-29920.	2.6	27
51	Managing big RDF data in clouds: Challenges, opportunities, and solutions. Sustainable Cities and Society, 2018, 39, 375-386.	5.1	29
52	Channel Clustering and QoS Level Identification Scheme for Multi-Channel Cognitive Radio Networks. IEEE Communications Magazine, 2018, 56, 164-171.	4.9	24
53	Recent Advances and Challenges in Mobile Big Data. , 2018, 56, 102-108.		47
54	Big Data Analytics in Industrial IoT Using a Concentric Computing Model. , 2018, 56, 37-43.		101

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55	VANET“LTE based heterogeneous vehicular clustering for driving assistance and route planning applications. Computer Networks, 2018, 145, 128-140.	3.2	30
56	The Role of Edge Computing in Internet of Things. IEEE Communications Magazine, 2018, 56, 110-115.	4.9	260
57	Data Collection in Smart Communities Using Sensor Cloud: Recent Advances, Taxonomy, and Future Research Directions. IEEE Communications Magazine, 2018, 56, 192-197.	4.9	36
58	Enabling Communication Technologies for Smart Cities. , 2017, 55, 112-120.		178
59	Heterogeneity-Aware Task Allocation in Mobile Ad Hoc Cloud. IEEE Access, 2017, 5, 1779-1795.	2.6	35
60	Social-Aware Resource Allocation and Optimization for D2D Communication. IEEE Wireless Communications, 2017, 24, 122-129.	6.6	43
61	Internet of Things Architecture: Recent Advances, Taxonomy, Requirements, and Open Challenges. IEEE Wireless Communications, 2017, 24, 10-16.	6.6	442
62	Big IoT Data Analytics: Architecture, Opportunities, and Open Research Challenges. IEEE Access, 2017, 5, 5247-5261.	2.6	645
63	Internet-of-Things-Based Smart Cities: Recent Advances and Challenges. , 2017, 55, 16-24.		455
64	The rise of ransomware and emerging security challenges in the Internet of Things. Computer Networks, 2017, 129, 444-458.	3.2	197
65	Overcoming the Key Challenges to Establishing Vehicular Communication: Is SDN the Answer?. , 2017, 55, 128-134.		88
66	The role of big data analytics in Internet of Things. Computer Networks, 2017, 129, 459-471.	3.2	439
67	Bringing Computation Closer toward the User Network: Is Edge Computing the Solution?. , 2017, 55, 138-144.		152
68	MapReduce: Review and open challenges. Scientometrics, 2016, 109, 389-422.	1.6	74
69	A survey of big data management: Taxonomy and state-of-the-art. Journal of Network and Computer Applications, 2016, 71, 151-166.	5.8	153
70	Mobile ad hoc cloud: A survey. Wireless Communications and Mobile Computing, 2016, 16, 2572-2589.	0.8	87
71	Big data: From beginning to future. International Journal of Information Management, 2016, 36, 1231-1247.	10.5	282
72	Green industrial networking: recent advances, taxonomy, and open research challenges. , 2016, 54, 38-45.		12

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73	Internet-of-things-based smart environments: state of the art, taxonomy, and open research challenges. IEEE Wireless Communications, 2016, 23, 10-16.	6.6	315
74	The role of big data in smart city. International Journal of Information Management, 2016, 36, 748-758.	10.5	763
75	The rise of "big data" on cloud computing: Review and open research issues. Information Systems, 2015, 47, 98-115.	2.4	1,853
76	Big Data: Survey, Technologies, Opportunities, and Challenges. Scientific World Journal, The, 2014, 2014, 1-18.	0.8	313
77	Low-Energy Plasma Focus Device as an Electron Beam Source. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	6
78	Cognitive Radio Sensor Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2014, , 160-195.	0.3	2
79	Multi-objective optimization model for seamless application execution in mobile cloud computing. , 2013, , .		12