Sabita Maharjan

List of Publications by Year
in descending order

71 papers	10,211 citations	53751 45 h-index	114418 63 g-index
71 all docs	71 docs citations	71 times ranked	7831 citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Twin Empowered Content Caching in Social-Aware Vehicular Edge Networks. IEEE Transactions on Computational Social Systems, 2022, 9, 239-251.	3.2	50
2	Optimal Energy Trading With Demand Responses in Cloud Computing Enabled Virtual Power Plant in Smart Grids. IEEE Transactions on Cloud Computing, 2022, 10, 17-30.	3.1	16
3	Joint Power Control and Computation Offloading for Energy-Efficient Mobile Edge Networks. IEEE Transactions on Wireless Communications, 2022, 21, 4522-4534.	6.1	8
4	Guest Editorial Special Issue on Edge Intelligence for Sustainable Smart Environments. IEEE Transactions on Green Communications and Networking, 2022, 6, 234-237.	3.5	2
5	Intelligent Charging Management of Electric Vehicles Considering Dynamic User Behavior and Renewable Energy: A Stochastic Game Approach. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7760-7771.	4.7	28
6	Communication-Efficient Federated Learning for Digital Twin Edge Networks in Industrial IoT. IEEE Transactions on Industrial Informatics, 2021, 17, 5709-5718.	7.2	132
7	Vehicular Edge Computing and Networking: A Survey. Mobile Networks and Applications, 2021, 26, 1145-1168.	2.2	252
8	Placement and Routing Optimization for Automated Inspection With Unmanned Aerial Vehicles: A Study in Offshore Wind Farm. IEEE Transactions on Industrial Informatics, 2021, 17, 3032-3043.	7.2	34
9	Distributed Deep Reinforcement Learning for Intelligent Load Scheduling in Residential Smart Grids. IEEE Transactions on Industrial Informatics, 2021, 17, 2752-2763.	7.2	50
10	Low-Latency Federated Learning and Blockchain for Edge Association in Digital Twin Empowered 6G Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 5098-5107.	7.2	224
11	Deep Reinforcement Learning for Stochastic Computation Offloading in Digital Twin Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 4968-4977.	7.2	139
12	Communication-Efficient Federated Learning and Permissioned Blockchain for Digital Twin Edge Networks. IEEE Internet of Things Journal, 2021, 8, 2276-2288.	5.5	140
13	Adaptive Edge Association for Wireless Digital Twin Networks in 6G. IEEE Internet of Things Journal, 2021, 8, 16219-16230.	5.5	85
14	IEEE Access Special Section Editorial: Blockchain-Enabled Trustworthy Systems. IEEE Access, 2021, 9, 67680-67683.	2.6	0
15	Blockchain and Federated Learning for 5G Beyond. IEEE Network, 2021, 35, 219-225.	4.9	39
16	Federated Learning Empowered End-Edge-Cloud Cooperation for 5G HetNet Security. IEEE Network, 2021, 35, 88-94.	4.9	19
17	Mitigating Conflicting Transactions in Hyperledger Fabric-Permissioned Blockchain for Delay-Sensitive IoT Applications. IEEE Internet of Things Journal, 2021, 8, 10596-10607.	5.5	21
18	Multi-Agent Deep Reinforcement Learning for Computation Offloading and Interference Coordination in Small Cell Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 9282-9293.	3.9	88

#	Article	IF	Citations
19	Blockchain and Federated Learning for Privacy-Preserved Data Sharing in Industrial IoT. IEEE Transactions on Industrial Informatics, 2020, 16, 4177-4186.	7.2	650
20	Differentially Private Asynchronous Federated Learning for Mobile Edge Computing in Urban Informatics. IEEE Transactions on Industrial Informatics, 2020, 16, 2134-2143.	7.2	217
21	Energy Peer-to-Peer Trading in Virtual Microgrids in Smart Grids: A Game-Theoretic Approach. IEEE Transactions on Smart Grid, 2020, 11, 1264-1275.	6.2	214
22	Joint Transaction Relaying and Block Verification Optimization for Blockchain Empowered D2D Communication. IEEE Transactions on Vehicular Technology, 2020, 69, 828-841.	3.9	30
23	Energy Efficiency and Delay Tradeoff for Wireless Powered Mobile-Edge Computing Systems With Multi-Access Schemes. IEEE Transactions on Wireless Communications, 2020, 19, 1855-1867.	6.1	97
24	Deep Reinforcement Learning for Cooperative Content Caching in Vehicular Edge Computing and Networks. IEEE Internet of Things Journal, 2020, 7, 247-257.	5.5	207
25	PoBT: A Lightweight Consensus Algorithm for Scalable IoT Business Blockchain. IEEE Internet of Things Journal, 2020, 7, 2343-2355.	5.5	130
26	Deep Reinforcement Learning for Social-Aware Edge Computing and Caching in Urban Informatics. IEEE Transactions on Industrial Informatics, 2020, 16, 5467-5477.	7.2	44
27	Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. IEEE Transactions on Vehicular Technology, 2020, 69, 12175-12186.	3.9	116
28	Federated Learning for Data Privacy Preservation in Vehicular Cyber-Physical Systems. IEEE Network, 2020, 34, 50-56.	4.9	99
29	Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4312-4324.	3.9	169
30	Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 4298-4311.	3.9	389
31	Deep Reinforcement Learning for Partially Observable Data Poisoning Attack in Crowdsensing Systems. IEEE Internet of Things Journal, 2020, 7, 6266-6278.	5.5	98
32	Deep Reinforcement Learning for Economic Dispatch of Virtual Power Plant in Internet of Energy. IEEE Internet of Things Journal, 2020, 7, 6288-6301.	5.5	82
33	Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 4221-4232.	3.9	61
34	Edge Intelligence Empowered UAV s for Automated Wind Farm Monitoring in Smart Grids. , 2020, , .		6
35	Incentivizing Resource Cooperation for Blockchain Empowered Wireless Power Transfer in UAV Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 15828-15841.	3.9	19
36	Location Privacy Preservation for Mobile Users in Location-Based Services. IEEE Access, 2019, 7, 87425-87438.	2.6	45

#	ARTICLE	IF	CITATIONS
37	Cooperative and Distributed Computation Offloading for Blockchain-Empowered Industrial Internet of Things. IEEE Internet of Things Journal, 2019, 6, 8433-8446.	5.5	114
38	Artificial Intelligence Empowered Edge Computing and Caching for Internet of Vehicles. IEEE Wireless Communications, 2019, 26, 12-18.	6.6	194
39	Edge Intelligence and Blockchain Empowered 5G Beyond for the Industrial Internet of Things. IEEE Network, 2019, 33, 12-19.	4.9	213
40	Deep Reinforcement Learning for Edge Caching and Content Delivery in Internet of Vehicles. , 2019, , .		15
41	Blockchain Empowered Wireless Power Transfer for Green and Secure Internet of Things. IEEE Network, 2019, 33, 164-171.	4.9	44
42	Blockchain and Deep Reinforcement Learning Empowered Intelligent 5G Beyond. IEEE Network, 2019, 33, 10-17.	4.9	266
43	Deep Learning Empowered Task Offloading for Mobile Edge Computing in Urban Informatics. IEEE Internet of Things Journal, 2019, 6, 7635-7647.	5.5	230
44	Deep Reinforcement Learning for Edge Computing and Resource Allocation in 5G Beyond. , 2019, , .		9
45	Permissioned Blockchain and Deep Reinforcement Learning for Content Caching in Vehicular Edge Computing and Networks. , 2019, , .		7
46	Artificial Intelligence for Vehicle-to-Everything: A Survey. IEEE Access, 2019, 7, 10823-10843.	2.6	164
47	Blockchain for Secure and Efficient Data Sharing in Vehicular Edge Computing and Networks. IEEE Internet of Things Journal, 2019, 6, 4660-4670.	5.5	547
48	Joint Load Balancing and Offloading in Vehicular Edge Computing and Networks. IEEE Internet of Things Journal, 2019, 6, 4377-4387.	5.5	290
49	Distributed Uplink Offloading for IoT in 5G Heterogeneous Networks Under Private Information Constraints. IEEE Internet of Things Journal, 2019, 6, 6151-6164.	5.5	9
50	Artificial Intelligence Inspired Transmission Scheduling in Cognitive Vehicular Communications and Networks. IEEE Internet of Things Journal, 2019, 6, 1987-1997.	5.5	120
51	Contract-theoretic Approach for Delay Constrained Offloading in Vehicular Edge Computing Networks. Mobile Networks and Applications, 2019, 24, 1003-1014.	2.2	26
52	Successive direct load altering attack in smart grid. Computers and Security, 2018, 77, 79-93.	4.0	12
53	Green Energy Scheduling for Demand Side Management in the Smart Grid. IEEE Transactions on Green Communications and Networking, 2018, 2, 596-611.	3.5	102
54	Energy Usage Forecasting for LTE: A Network-Wide Traffic Measurements Study. , 2018, , .		0

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55	Joint Computation Offloading and User Association in Multi-Task Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2018, 67, 12313-12325.	3.9	253
56	Optimal Charging Schemes for Electric Vehicles in Smart Grid: A Contract Theoretic Approach. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3046-3058.	4.7	51
57	Mobile Edge Computing and Networking for Green and Low-Latency Internet of Things. , 2018, 56, 39-45.		205
58	Cooperative Content Caching in 5G Networks with Mobile Edge Computing. IEEE Wireless Communications, 2018, 25, 80-87.	6.6	194
59	Strategic Honeypot Game Model for Distributed Denial of Service Attacks in the Smart Grid. IEEE Transactions on Smart Grid, 2017, 8, 2474-2482.	6.2	162
60	Enabling Localized Peer-to-Peer Electricity Trading Among Plug-in Hybrid Electric Vehicles Using Consortium Blockchains. IEEE Transactions on Industrial Informatics, 2017, 13, 3154-3164.	7.2	865
61	Incentive-Driven Energy Trading in the Smart Grid. IEEE Access, 2016, 4, 1243-1257.	2.6	71
62	Energy-Efficient Offloading for Mobile Edge Computing in 5G Heterogeneous Networks. IEEE Access, 2016, 4, 5896-5907.	2.6	674
63	Optimal Incentive Design for Cloud-Enabled Multimedia Crowdsourcing. IEEE Transactions on Multimedia, 2016, 18, 2470-2481.	5.2	17
64	Quality of Protection in Cloud-Assisted Cognitive Machine-to-Machine Communications for Industrial Systems. Mobile Networks and Applications, 2016, 21, 1032-1042.	2.2	0
65	Software Defined Networking With Pseudonym Systems for Secure Vehicular Clouds. IEEE Access, 2016, 4, 3522-3534.	2.6	38
66	Demand Response Management in the Smart Grid in a Large Population Regime. IEEE Transactions on Smart Grid, 2016, 7, 189-199.	6.2	234
67	Cooperative Resource Management in Cloud-Enabled Vehicular Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 7938-7951.	5.2	96
68	An Incentivized Auction-Based Group-Selling Approach for Demand Response Management in V2G Systems. IEEE Transactions on Industrial Informatics, 2015, 11, 1554-1563.	7.2	66
69	Sensing-Performance Tradeoff in Cognitive Radio Enabled Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 302-310.	6.2	186
70	Dependable Demand Response Management in the Smart Grid: A Stackelberg Game Approach. IEEE Transactions on Smart Grid, 2013, 4, 120-132.	6.2	687
71	Economic Approaches for Cognitive Radio Networks: A Survey. Wireless Personal Communications, 2011, 57, 33-51.	1.8	50