Sabita Maharjan

List of Publications by Year
in descending order

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		53794	114465
71	10,211	45	63
papers	citations	h-index	g-index

71	71	71	7831
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	11.3	865
2	Dependable Demand Response Management in the Smart Grid: A Stackelberg Game Approach. IEEE Transactions on Smart Grid, 2013, 4, 120-132.	9.0	687
3	Energy-Efficient Offloading for Mobile Edge Computing in 5G Heterogeneous Networks. IEEE Access, 2016, 4, 5896-5907.	4.2	674
4	Blockchain and Federated Learning for Privacy-Preserved Data Sharing in Industrial IoT. IEEE Transactions on Industrial Informatics, 2020, 16, 4177-4186.	11.3	650
5	Blockchain for Secure and Efficient Data Sharing in Vehicular Edge Computing and Networks. IEEE Internet of Things Journal, 2019, 6, 4660-4670.	8.7	547
6	Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 4298-4311.	6.3	389
7	Joint Load Balancing and Offloading in Vehicular Edge Computing and Networks. IEEE Internet of Things Journal, 2019, 6, 4377-4387.	8.7	290
8	Blockchain and Deep Reinforcement Learning Empowered Intelligent 5G Beyond. IEEE Network, 2019, 33, 10-17.	6.9	266
9	Joint Computation Offloading and User Association in Multi-Task Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2018, 67, 12313-12325.	6.3	253
10	Vehicular Edge Computing and Networking: A Survey. Mobile Networks and Applications, 2021, 26, 1145-1168.	3.3	252
11	Demand Response Management in the Smart Grid in a Large Population Regime. IEEE Transactions on Smart Grid, 2016, 7, 189-199.	9.0	234
12	Deep Learning Empowered Task Offloading for Mobile Edge Computing in Urban Informatics. IEEE Internet of Things Journal, 2019, 6, 7635-7647.	8.7	230
13	Low-Latency Federated Learning and Blockchain for Edge Association in Digital Twin Empowered 6G Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 5098-5107.	11.3	224
14	Differentially Private Asynchronous Federated Learning for Mobile Edge Computing in Urban Informatics. IEEE Transactions on Industrial Informatics, 2020, 16, 2134-2143.	11.3	217
15	Energy Peer-to-Peer Trading in Virtual Microgrids in Smart Grids: A Game-Theoretic Approach. IEEE Transactions on Smart Grid, 2020, 11, 1264-1275.	9.0	214
16	Edge Intelligence and Blockchain Empowered 5G Beyond for the Industrial Internet of Things. IEEE Network, 2019, 33, 12-19.	6.9	213
17	Deep Reinforcement Learning for Cooperative Content Caching in Vehicular Edge Computing and Networks. IEEE Internet of Things Journal, 2020, 7, 247-257.	8.7	207
18	Mobile Edge Computing and Networking for Green and Low-Latency Internet of Things. , 2018, 56, 39-45.		205

#	Article	IF	Citations
19	Cooperative Content Caching in 5G Networks with Mobile Edge Computing. IEEE Wireless Communications, 2018, 25, 80-87.	9.0	194
20	Artificial Intelligence Empowered Edge Computing and Caching for Internet of Vehicles. IEEE Wireless Communications, 2019, 26, 12-18.	9.0	194
21	Sensing-Performance Tradeoff in Cognitive Radio Enabled Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 302-310.	9.0	186
22	Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4312-4324.	6.3	169
23	Artificial Intelligence for Vehicle-to-Everything: A Survey. IEEE Access, 2019, 7, 10823-10843.	4.2	164
24	Strategic Honeypot Game Model for Distributed Denial of Service Attacks in the Smart Grid. IEEE Transactions on Smart Grid, 2017, 8, 2474-2482.	9.0	162
25	Communication-Efficient Federated Learning and Permissioned Blockchain for Digital Twin Edge Networks. IEEE Internet of Things Journal, 2021, 8, 2276-2288.	8.7	140
26	Deep Reinforcement Learning for Stochastic Computation Offloading in Digital Twin Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 4968-4977.	11.3	139
27	Communication-Efficient Federated Learning for Digital Twin Edge Networks in Industrial IoT. IEEE Transactions on Industrial Informatics, 2021, 17, 5709-5718.	11.3	132
28	PoBT: A Lightweight Consensus Algorithm for Scalable IoT Business Blockchain. IEEE Internet of Things Journal, 2020, 7, 2343-2355.	8.7	130
29	Artificial Intelligence Inspired Transmission Scheduling in Cognitive Vehicular Communications and Networks. IEEE Internet of Things Journal, 2019, 6, 1987-1997.	8.7	120
30	Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. IEEE Transactions on Vehicular Technology, 2020, 69, 12175-12186.	6.3	116
31	Cooperative and Distributed Computation Offloading for Blockchain-Empowered Industrial Internet of Things. IEEE Internet of Things Journal, 2019, 6, 8433-8446.	8.7	114
32	Green Energy Scheduling for Demand Side Management in the Smart Grid. IEEE Transactions on Green Communications and Networking, 2018, 2, 596-611.	5.5	102
33	Federated Learning for Data Privacy Preservation in Vehicular Cyber-Physical Systems. IEEE Network, 2020, 34, 50-56.	6.9	99
34	Deep Reinforcement Learning for Partially Observable Data Poisoning Attack in Crowdsensing Systems. IEEE Internet of Things Journal, 2020, 7, 6266-6278.	8.7	98
35	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.	9.2	97
36	Cooperative Resource Management in Cloud-Enabled Vehicular Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 7938-7951.	7.9	96

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37	Multi-Agent Deep Reinforcement Learning for Computation Offloading and Interference Coordination in Small Cell Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 9282-9293.	6.3	88
38	Adaptive Edge Association for Wireless Digital Twin Networks in 6G. IEEE Internet of Things Journal, 2021, 8, 16219-16230.	8.7	85
39	Deep Reinforcement Learning for Economic Dispatch of Virtual Power Plant in Internet of Energy. IEEE Internet of Things Journal, 2020, 7, 6288-6301.	8.7	82
40	Incentive-Driven Energy Trading in the Smart Grid. IEEE Access, 2016, 4, 1243-1257.	4.2	71
41	An Incentivized Auction-Based Group-Selling Approach for Demand Response Management in V2G Systems. IEEE Transactions on Industrial Informatics, 2015, 11, 1554-1563.	11.3	66
42	Blockchain Empowered Cooperative Authentication With Data Traceability in Vehicular Edge Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 4221-4232.	6.3	61
43	Optimal Charging Schemes for Electric Vehicles in Smart Grid: A Contract Theoretic Approach. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3046-3058.	8.0	51
44	Economic Approaches for Cognitive Radio Networks: A Survey. Wireless Personal Communications, 2011, 57, 33-51.	2.7	50
45	Distributed Deep Reinforcement Learning for Intelligent Load Scheduling in Residential Smart Grids. IEEE Transactions on Industrial Informatics, 2021, 17, 2752-2763.	11.3	50
46	Digital Twin Empowered Content Caching in Social-Aware Vehicular Edge Networks. IEEE Transactions on Computational Social Systems, 2022, 9, 239-251.	4.4	50
47	Location Privacy Preservation for Mobile Users in Location-Based Services. IEEE Access, 2019, 7, 87425-87438.	4.2	45
48	Blockchain Empowered Wireless Power Transfer for Green and Secure Internet of Things. IEEE Network, 2019, 33, 164-171.	6.9	44
49	Deep Reinforcement Learning for Social-Aware Edge Computing and Caching in Urban Informatics. IEEE Transactions on Industrial Informatics, 2020, 16, 5467-5477.	11.3	44
50	Blockchain and Federated Learning for 5G Beyond. IEEE Network, 2021, 35, 219-225.	6.9	39
51	Software Defined Networking With Pseudonym Systems for Secure Vehicular Clouds. IEEE Access, 2016, 4, 3522-3534.	4.2	38
52	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.	11.3	34
53	Joint Transaction Relaying and Block Verification Optimization for Blockchain Empowered D2D Communication. IEEE Transactions on Vehicular Technology, 2020, 69, 828-841.	6.3	30
54	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.	8.0	28

#	Article	IF	Citations
55	Contract-theoretic Approach for Delay Constrained Offloading in Vehicular Edge Computing Networks. Mobile Networks and Applications, 2019, 24, 1003-1014.	3.3	26
56	Mitigating Conflicting Transactions in Hyperledger Fabric-Permissioned Blockchain for Delay-Sensitive IoT Applications. IEEE Internet of Things Journal, 2021, 8, 10596-10607.	8.7	21
57	Federated Learning Empowered End-Edge-Cloud Cooperation for 5G HetNet Security. IEEE Network, 2021, 35, 88-94.	6.9	19
58	Incentivizing Resource Cooperation for Blockchain Empowered Wireless Power Transfer in UAV Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 15828-15841.	6.3	19
59	Optimal Incentive Design for Cloud-Enabled Multimedia Crowdsourcing. IEEE Transactions on Multimedia, 2016, 18, 2470-2481.	7.2	17
60	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.	4.4	16
61	Deep Reinforcement Learning for Edge Caching and Content Delivery in Internet of Vehicles. , 2019, , .		15
62	Successive direct load altering attack in smart grid. Computers and Security, 2018, 77, 79-93.	6.0	12
63	Deep Reinforcement Learning for Edge Computing and Resource Allocation in 5G Beyond. , 2019, , .		9
64	Distributed Uplink Offloading for IoT in 5G Heterogeneous Networks Under Private Information Constraints. IEEE Internet of Things Journal, 2019, 6, 6151-6164.	8.7	9
65	Joint Power Control and Computation Offloading for Energy-Efficient Mobile Edge Networks. IEEE Transactions on Wireless Communications, 2022, 21, 4522-4534.	9.2	8
66	Permissioned Blockchain and Deep Reinforcement Learning for Content Caching in Vehicular Edge Computing and Networks. , 2019, , .		7
67	Edge Intelligence Empowered UAV s for Automated Wind Farm Monitoring in Smart Grids. , 2020, , .		6
68	Guest Editorial Special Issue on Edge Intelligence for Sustainable Smart Environments. IEEE Transactions on Green Communications and Networking, 2022, 6, 234-237.	5.5	2
69	Quality of Protection in Cloud-Assisted Cognitive Machine-to-Machine Communications for Industrial Systems. Mobile Networks and Applications, 2016, 21, 1032-1042.	3.3	0
70	Energy Usage Forecasting for LTE: A Network-Wide Traffic Measurements Study. , 2018, , .		0
71	IEEE Access Special Section Editorial: Blockchain-Enabled Trustworthy Systems. IEEE Access, 2021, 9, 67680-67683.	4.2	0