

Shiva Raj Pokhrel

List of Publications by Year in descending order

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48
papers

1,385
citations

331670

21
h-index

361022

35
g-index

49
all docs

49
docs citations

49
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	Federated Learning With Blockchain for Autonomous Vehicles: Analysis and Design Challenges. IEEE Transactions on Communications, 2020, 68, 4734-4746.	7.8	246
2	A Blockchain Federated Learning Framework for Cognitive Computing in Industry 4.0 Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 2964-2973.	11.3	174
3	Towards Enabling Critical mMTC: A Review of URLLC Within mMTC. IEEE Access, 2020, 8, 131796-131813.	4.2	99
4	Improving TCP Performance Over WiFi for Internet of Vehicles: A Federated Learning Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 6798-6802.	6.3	64
5	A Decentralized Federated Learning Approach for Connected Autonomous Vehicles. , 2020, , .		43
6	An Intelligent and Optimal Resource Allocation Approach in Sensor Networks for Smart Agri-IoT. IEEE Sensors Journal, 2021, 21, 17439-17446.	4.7	43
7	An Efficient Clustering Framework for Massive Sensor Networking in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 4917-4924.	11.3	38
8	Federated learning meets blockchain at 6G edge. , 2020, , .		38
9	Modeling Compound TCP Over WiFi for IoT. IEEE/ACM Transactions on Networking, 2018, 26, 864-878.	3.8	36
10	TCP Performance over Wi-Fi: Joint Impact of Buffer and Channel Losses. IEEE Transactions on Mobile Computing, 2016, 15, 1279-1291.	5.8	35
11	Adaptive Admission Control for IoT Applications in Home WiFi Networks. IEEE Transactions on Mobile Computing, 2020, 19, 2731-2742.	5.8	33
12	Alleviating Heterogeneity in SDN-IoT Networks to Maintain QoS and Enhance Security. IEEE Internet of Things Journal, 2020, 7, 5964-5975.	8.7	32
13	Improving Multipath TCP Performance over WiFi and Cellular Networks: An Analytical Approach. IEEE Transactions on Mobile Computing, 2019, 18, 2562-2576.	5.8	31
14	Analytical Modeling of Multipath TCP Over Last-Mile Wireless. IEEE/ACM Transactions on Networking, 2017, 25, 1876-1891.	3.8	29
15	Low-Delay Scheduling for Internet of Vehicles: Load-Balanced Multipath Communication With FEC. IEEE Transactions on Communications, 2019, 67, 8489-8501.	7.8	29
16	Mobility-Aware Multipath Communication for Unmanned Aerial Surveillance Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6088-6098.	6.3	27
17	Modeling RIS Empowered Outdoor-to-Indoor Communication in mmWave Cellular Networks. IEEE Transactions on Communications, 2021, 69, 7837-7850.	7.8	27
18	Enabling Grant-Free URLLC: An Overview of Principle and Enhancements by Massive MIMO. IEEE Internet of Things Journal, 2022, 9, 384-400.	8.7	27

#	ARTICLE	IF	CITATIONS
19	QoS-Aware Personalized Privacy With Multipath TCP for Industrial IoT: Analysis and Design. IEEE Internet of Things Journal, 2020, 7, 4849-4861.	8.7	25
20	Software Defined Internet of Vehicles for Automation and Orchestration. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3890-3899.	8.0	24
21	Multipath TCP Meets Transfer Learning: A Novel Edge-Based Learning for Industrial IoT. IEEE Internet of Things Journal, 2021, 8, 10299-10307.	8.7	24
22	Federated Learning With Multichannel ALOHA. IEEE Wireless Communications Letters, 2020, 9, 499-502.	5.0	23
23	Blockchain Brings Trust to Collaborative Drones and LEO Satellites: An Intelligent Decentralized Learning in the Space. IEEE Sensors Journal, 2021, 21, 25331-25339.	4.7	23
24	Multipath Communication With Deep Q-Network for Industry 4.0 Automation and Orchestration. IEEE Transactions on Industrial Informatics, 2021, 17, 2852-2859.	11.3	20
25	Towards Ultra Reliable Low Latency Multipath TCP for Connected Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 8175-8185.	6.3	19
26	Performance Analysis of TCP NewReno over a Cellular Last-Mile: Buffer and Channel Losses. IEEE Transactions on Mobile Computing, 2015, 14, 1629-1643.	5.8	17
27	Fair Coexistence of Regular and Multipath TCP over Wireless Last-Miles. IEEE Transactions on Mobile Computing, 2019, 18, 574-587.	5.8	16
28	Privacy-Aware Autonomous Valet Parking: Towards Experience Driven Approach. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5352-5363.	8.0	15
29	Improving malicious PDF classifier with feature engineering: A data-driven approach. Future Generation Computer Systems, 2021, 115, 314-326.	7.5	14
30	Compound-TCP Performance for Industry 4.0 WiFi: A Cognitive Federated Learning Approach. IEEE Transactions on Industrial Informatics, 2020, , 1-1.	11.3	13
31	Learning to Harness Bandwidth With Multipath Congestion Control and Scheduling. IEEE Transactions on Mobile Computing, 2023, 22, 996-1009.	5.8	13
32	Redesigning compound TCP with cognitive edge intelligence for WiFi-based IoT. Future Generation Computer Systems, 2021, 125, 859-868.	7.5	12
33	A Rent-Seeking Framework for Multipath TCP. Performance Evaluation Review, 2021, 48, 63-70.	0.6	9
34	Towards IoT Security Automation and Orchestration. , 2020, , .		8
35	Identifying OSPF LSA falsification attacks through non-linear analysis. Computer Networks, 2020, 167, 107031.	5.1	7
36	Optimal Centralized Dynamic-Time-Division-Duplex. IEEE Transactions on Wireless Communications, 2021, 20, 28-39.	9.2	6

#	ARTICLE	IF	CITATIONS
37	Internet of Things for Healthcare: An Intelligent and Energy Efficient Position Detection Algorithm. IEEE Transactions on Industrial Informatics, 2022, 18, 5458-5465.	11.3	6
38	Modelling Data Aided Sensing With UAVs for Efficient Data Collection. IEEE Wireless Communications Letters, 2021, 10, 1959-1963.	5.0	6
39	Digital Twin for Cybersecurity: Towards Enhancing Cyber Resilience. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 57-76.	0.3	5
40	Learning from data streams for automation and orchestration of 6G industrial IoT: toward a semantic communication framework. Neural Computing and Applications, 2022, 34, 15197-15206.	5.6	4
41	SDN-Capable IoT Last-Miles: Design Challenges. , 2019, , .		3
42	Energy-Balanced and Distributed Clustering Protocol for IoT Wireless Sensors. , 2020, , .		3
43	Global optimization of field based routing in wireless mesh network (GOFBR-WMN). , 2012, , .		2
44	Enhanced optimization of field based routing for macro mobility in IEEE 802.11s mesh. , 2013, , .		2
45	Performance modelling and evaluation of V2I video surveillance system. , 2015, , .		1
46	Policy-based Bigdata Security and QoS Framework for SDN/IoT: An Analytic Approach. , 2019, , .		1
47	Explore-before-talk: Multichannel selection diversity for uplink transmissions in machine-type communication. Journal of Communications and Networks, 2021, 23, 23-33.	2.6	1
48	Towards enhanced PDF maldocs detection with feature engineering: design challenges. Multimedia Tools and Applications, 0, , .	3.9	1