Deepak Puthal

List of Publications by Year
in descending order

40 papers	1,629 citations	394421 19 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	1785 citing authors

#	Article	IF	Citations
1	Blockchain-Based Sensitive Document Storage to Mitigate Corruptions. IEEE Transactions on Engineering Management, 2024, , 1-13.	3.5	3
2	Privacy-preserving cooperative localization in vehicular edge computing infrastructure. Concurrency Computation Practice and Experience, 2022, 34, e5827.	2.2	5
3	A fuzzy rule-based efficient hospital bed management approach for coronavirus disease-19 infected patients. Neural Computing and Applications, 2022, 34, 11361-11382.	5.6	8
4	TFMD-SDVN: a trust framework for misbehavior detection in the edge of software-defined vehicular network. Journal of Supercomputing, 2022, 78, 7948-7981.	3.6	6
5	Combination of Reduction Detection Using TOPSIS for Gene Expression Data Analysis. Big Data and Cognitive Computing, 2022, 6, 24.	4.7	15
6	A Systematic Review on Healthcare Artificial Intelligent Conversational Agents for Chronic Conditions. Sensors, 2022, 22, 2625.	3.8	28
7	Decision tree based user-centric security solution for critical IoT infrastructure. Computers and Electrical Engineering, 2022, 99, 107754.	4.8	13
8	Preserving Privacy in the Internet of Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5018-5027.	8.0	49
9	Detection of SLA Violation for Big Data Analytics Applications in Cloud. IEEE Transactions on Computers, 2021, 70, 746-758.	3.4	6
10	Federated Learning. IEEE Consumer Electronics Magazine, 2021, , 1-1.	2.3	7
11	Personal Internet of Things (PIoT): What Is It Exactly?. IEEE Consumer Electronics Magazine, 2021, 10, 58-60.	2.3	5
12	Collaborative Edge Computing for Smart Villages [Energy and Security]. IEEE Consumer Electronics Magazine, 2021, 10, 68-71.	2.3	33
13	Cybersecurity Issues in AI. IEEE Consumer Electronics Magazine, 2021, 10, 33-35.	2.3	10
14	AI-Enabled Fingerprinting and Crowdsource-Based Vehicle Localization for Resilient and Safe Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4660-4669.	8.0	10
15	Running Industrial Workflow Applications in a Software-Defined Multicloud Environment Using Green Energy Aware Scheduling Algorithm. IEEE Transactions on Industrial Informatics, 2021, 17, 5645-5656.	11.3	24
16	Toward Next-Generation Robust Cryptosystems. IEEE Consumer Electronics Magazine, 2021, 10, 58-60.	2.3	1
17	Guest Editorial: Special Section on Embracing Artificial Intelligence for Network and Service Management. IEEE Transactions on Network and Service Management, 2021, 18, 3936-3941.	4.9	4
18	PAAL: A Framework Based on Authentication, Aggregation, and Local Differential Privacy for Internet of Multimedia Things. IEEE Internet of Things Journal, 2020, 7, 2501-2508.	8.7	18

#	Article	IF	Citations
19	ESMLB: Efficient Switch Migration-Based Load Balancing for Multicontroller SDN in IoT. IEEE Internet of Things Journal, 2020, 7, 5852-5860.	8.7	60
20	A QoS-Aware Data Collection Protocol for LLNs in Fog-Enabled Internet of Things. IEEE Transactions on Network and Service Management, 2020, 17, 430-444.	4.9	14
21	A User-centric Security Solution for Internet of Things and Edge Convergence. ACM Transactions on Cyber-Physical Systems, 2020, 4, 1-19.	2.5	12
22	Analytical Model for Sybil Attack Phases in Internet of Things. IEEE Internet of Things Journal, 2019, 6, 379-387.	8.7	63
23	Internet of Autonomous Vehicles Communications Security: Overview, Issues, and Directions. IEEE Wireless Communications, 2019, 26, 60-65.	9.0	77
24	PMsec: Physical Unclonable Function-Based Robust and Lightweight Authentication in the Internet of Medical Things. IEEE Transactions on Consumer Electronics, 2019, 65, 388-397.	3.6	103
25	Ubiquitous Localization (UbiLoc): A Survey and Taxonomy on Device Free Localization for Smart World. IEEE Communications Surveys and Tutorials, 2019, 21, 3532-3564.	39.4	74
26	Unmanned Aerial Vehicles in Consumer Applications: New Applications in Current and Future Smart Environments. IEEE Consumer Electronics Magazine, 2019, 8, 66-67.	2.3	17
27	Adaptive Task Offloading Auction for Industrial CPS in Mobile Edge Computing. IEEE Access, 2019, 7, 169055-169065.	4.2	23
28	Proof of Authentication: IoT-Friendly Blockchains. IEEE Potentials, 2019, 38, 26-29.	0.3	93
29	Lattice-Modeled Information Flow Control of Big Sensing Data Streams for Smart Health Application. IEEE Internet of Things Journal, 2019, 6, 1312-1320.	8.7	20
30	SEEN: A Selective Encryption Method to Ensure Confidentiality for Big Sensing Data Streams. IEEE Transactions on Big Data, 2019, 5, 379-392.	6.1	32
31	Location of Things (LoT): A Review and Taxonomy of Sensors Localization in IoT Infrastructure. IEEE Communications Surveys and Tutorials, 2018, 20, 2028-2061.	39.4	153
32	Sustainable Service Allocation Using a Metaheuristic Technique in a Fog Server for Industrial Applications. IEEE Transactions on Industrial Informatics, 2018, 14, 4497-4506.	11.3	123
33	IoT-Based Wireless Polysomnography Intelligent System for Sleep Monitoring. IEEE Access, 2018, 6, 405-414.	4.2	67
34	Energy-Efficient Deployment of Edge Dataenters for Mobile Clouds in Sustainable IoT. IEEE Access, 2018, 6, 56587-56597.	4.2	32
35	A Computing Perspective of Quantum Cryptography [Energy and Security]. IEEE Consumer Electronics Magazine, 2018, 7, 57-59.	2.3	22
36	Secure Computing for the Internet of Things and Network Edges: Protecting Communication in the Worldwide Network of Devices. IEEE Consumer Electronics Magazine, 2018, 7, 29-30.	2.3	18

#	Article	IF	Citations
37	Building Scalable Cyber-Physical-Social Networking Infrastructure Using IoT and Low Power Sensors. IEEE Access, 2018, 6, 30162-30173.	4.2	44
38	Everything You Wanted to Know About the Blockchain: Its Promise, Components, Processes, and Problems. IEEE Consumer Electronics Magazine, 2018, 7, 6-14.	2.3	281
39	MSGR: A Mode-Switched Grid-Based Sustainable Routing Protocol for Wireless Sensor Networks. IEEE Access, 2017, 5, 19864-19875.	4.2	32
40	Cross-layer architecture for congestion control in Vehicular Ad-hoc Networks. , 2013, , .		24