In-Ho Ra

List of Publications by Year
in descending order

48 **papers**	1,059 **citations**	687363 13 **h-index**	414414 32 **g-index**
49 **all docs**	49 **docs citations**	49 **times ranked**	1008 **citing authors**

#	Article	IF	Citations
1	Convergence of blockchain and artificial intelligence in IoT network for the sustainable smart city. Sustainable Cities and Society, 2020, 63, 102364.	10.4	286
2	Early Detection of Diabetic Retinopathy Using PCA-Firefly Based Deep Learning Model. Electronics (Switzerland), 2020, 9, 274.	3.1	226
3	SH-BlockCC: A secure and efficient Internet of things smart home architecture based on cloud computing and blockchain technology. International Journal of Distributed Sensor Networks, 2019, 15, 155014771984415.	2.2	91
4	Towards Pattern-Based Change Verification Framework for Cloud-Enabled Healthcare Component-Based. IEEE Access, 2020, 8, 148007-148020.	4.2	44
5	Security Assured CNN-Based Model for Reconstruction of Medical Images on the Internet of Healthcare Things. IEEE Access, 2020, 8, 126333-126346.	4.2	40
6	Blockchain-Based Transaction Validation Protocol for a Secure Distributed IoT Network. IEEE Access, 2020, 8, 117266-117277.	4.2	38
7	Application of Photovoltaic Systems for Agriculture: A Study on the Relationship between Power Generation and Farming for the Improvement of Photovoltaic Applications in Agriculture. Energies, 2020, 13, 4815.	3.1	37
8	Comparative Study of IoT-Based Topology Maintenance Protocol in a Wireless Sensor Network for Structural Health Monitoring. Remote Sensing, 2020, 12, 2358.	4.0	31
9	Multi-Topology Based QoS-Differentiation in RPL for Internet of Things Applications. IEEE Access, 2020, 8, 96686-96705.	4.2	27
10	An Intrusion Detection System Based on Multi-Level Clustering for Hierarchical Wireless Sensor Networks. Sensors, 2015, 15, 28960-28978.	3.8	22
11	An Efficient Routing Approach to Maximize the Lifetime of IoT-Based Wireless Sensor Networks in 5G and Beyond. Mobile Information Systems, 2021, 2021, 1-11.	0.6	22
12	Local stability and local stabilization of discrete-time Tâ€"S fuzzy systems with time-delay. International Journal of Control, Automation and Systems, 2016, 14, 29-38.	2.7	18
13	A new video interpolation technique based on motion-adaptive subsampling. IEEE Transactions on Consumer Electronics, 1999, 45, 782-787.	3.6	14
14	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
15	A Novel Revocable and Identity-Based Conditional Proxy Re-Encryption Scheme With Ciphertext Evolution for Secure Cloud Data Sharing. IEEE Access, 2021, 9, 42801-42816.	4.2	13
16	Performance Investigation of NOMA Versus OMA Techniques for mmWave Massive MIMO Communications. IEEE Access, 2021, 9, 125300-125308.	4.2	13
17	A Novel Grid and Place Neuronâ€™s Computational Modeling to Learn Spatial Semantics of an Environment. Applied Sciences (Switzerland), 2020, 10, 5147.	2.5	12
18	SPTM-EC: A Security and Privacy-Preserving Task Management in Edge Computing for IIoT. IEEE Transactions on Industrial Informatics, 2022, 18, 6330-6339.	11.3	12

#	Article	IF	Citations
19	On the Comparison of Optimal NOMA and OMA in a Paradigm Shift of Emerging Technologies. IEEE Access, 2022, 10, 11616-11632.	4.2	11
20	Deep Learning Based Filtering Algorithm for Noise Removal in Underwater Images. Water (Switzerland), 2021, 13, 2742.	2.7	9
21	An Eccentricity Based Data Routing Protocol with Uniform Node Distribution in 3D WSN. Sensors, 2017, 17, 2137.	3.8	8
22	Performance Enhancement for Microgrids Under the Demand Uncertainties with the Presence of Multiple DGs Through Stochastic Ranking Algorithm. Journal of Electrical Engineering and Technology, 2021, 16, 223-238.	2.0	8
23	CTU Layer Rate Control Algorithm in Scene Change Video for Free-Viewpoint Video. IEEE Access, 2020, 8, 24549-24560.	4.2	7
24	Design of wind turbine fault detection system based on performance curve. , 2012, , .		6
25	A Collusion-Resistant Identity-Based Proxy Reencryption Scheme with Ciphertext Evolution for Secure Cloud Sharing. Security and Communication Networks, 2020, 2020, 1-16.	1.5	6
26	Using Machine Learning to Detect Events on the Basis of Bengali and Banglish Facebook Posts. Electronics (Switzerland), 2021, 10, 2367.	3.1	5
27	Energy Efficient Hybrid Relay-IRS-Aided Wireless IoT Network for 6G Communications. Electronics (Switzerland), 2022, 11, 1900.	3.1	5
28	Throughput and delay analysis in Aeronautical Data Networks. , 2012, , .		4
29	Energy-efficient two-hop transmission prioritization scheme for wireless body area networks. , 2014, , .		4
30	Propagation Characterization Based on Geographic Location Variation for 5G Small Cells. Mobile Information Systems, 2017, 2017, 1-8.	0.6	4
31	A Novel Rate Control Algorithm Based on Ï•Model for Multiview High Efficiency Video Coding. Electronics (Switzerland), 2020, 9, 166.	3.1	4
32	A Heuristic Fuzzy Based 5G Network Orchestration Framework for Dynamic Virtual Network Embedding. Applied Sciences (Switzerland), 2022, 12, 6942.	2.5	4
33	Hybrid cooperative MAC protocol for wireless ad hoc networks. , 2012, , .		2
34	Elite-CAM: An Elite Channel Allocation and Mapping for Policy Engine over Cognitive Radio Technology in 5G. Sensors, 2022, 22, 5011.	3.8	2
35	Finite horizon scheduling in wireless ad hoc networks. , 2010, , .		1
36	Hybrid Fuzzy and Flower Pollination Optimization Algorithm for Optimal Dispatch of Generating Units in the Existence of Electric Vehicles. , 2020, , .		1

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37	Optimization of Phase Current Deviation Index of Unbalanced Distribution System Considering Variable Demand. , 2020, , .		1
38	Cost-Effective Outage Management in Smart Grid under Single, Multiple, and Critical Fault Conditions through Teachingâ€"Learning Algorithm. Energies, 2020, 13, 6205.	3.1	1
39	Exploration of DG Placement Strategy of Microgrids via FMFO Algorithm: Considering Increasing Power Demand and Diverse DG Combinations. Energies, 2020, 13, 6568.	3.1	1
40	Corrections to â€œCTU Layer Rate Control Algorithm in Scene Change Video for Free-Viewpoint Videoâ€. IEEE Access, 2020, 8, 68982-68982.	4.2	1
41	Allied Power Constraint Optimization and Optimal Beam Tracking Schemes for Mobile mmWave Massive MIMO Communications. IEEE Access, 2021, 9, 162243-162258.	4.2	1
42	A new video interpolation technique based on motion-adaptive subsampling. , 0, , .		0
43	Towards a Cross Layer Framework for ad hoc wireless networks. , 2009, , .		0
44	Supporting Road Safety Warning and Advertisement Distribution using an Interest Area-aware Messaging Scheme in Vehicular Ad-hoc Networks. , 2019, , .		0
45	Mobility Mining in Disaster Scenarios to Improve Geographic Routing in Delay Tolerant Networks. , 2019, , .		0
46	Optimal Service Restoration Strategy for Smart Grid under Single and Multiple Fault Conditions. , 2020, , .		0
47	Economic Emission Dispatch with the Presence of Large Scale Wind and PV Plants Considering Valve Point Effects and Variable Demand. , 2021, , .		0
48	A Deep Contextual Bandit-Based End-to-End Slice Provisioning Approach for Efficient Allocation of 5G Network Resources. Network, 2022, 2, 370-388.	2.4	0