

Rupak Kharel

List of Publications by Year in descending order

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59
papers

1,258
citations

430754

18
h-index

454834

30
g-index

61
all docs

61
docs citations

61
times ranked

1335
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards green computing for Internet of things: Energy oriented path and message scheduling approach. Sustainable Cities and Society, 2018, 38, 195-204.	5.1	72
2	Physical Layer Security in Vehicular Networks with Reconfigurable Intelligent Surfaces. , 2020, , .		69
3	Green Communication for Wireless Body Area Networks: Energy Aware Link Efficient Routing Approach. Sensors, 2018, 18, 3237.	2.1	67
4	A Unified Framework for HS-UAV NOMA Networks: Performance Analysis and Location Optimization. IEEE Access, 2020, 8, 13329-13340.	2.6	58
5	Geometry-Based Localization for GPS Outage in Vehicular Cyber Physical Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3800-3812.	3.9	53
6	A survey on the challenges and opportunities of the Internet of Things (IoT). , 2017, , .		51
7	A Concise Review on Internet of Things (IoT) -Problems, Challenges and Opportunities. , 2018, , .		48
8	Quality of Experience Framework for Cloud Computing (QoC). IEEE Access, 2018, 6, 64876-64890.	2.6	45
9	GCACS-IoD: A certificate based generic access control scheme for Internet of drones. Computer Networks, 2021, 191, 107999.	3.2	40
10	Physical Layer Security of Cooperative NOMA for IoT Networks Under I/Q Imbalance. IEEE Access, 2020, 8, 51189-51199.	2.6	38
11	Multiagent Actor-Critic Network-Based Incentive Mechanism for Mobile Crowdsensing in Industrial Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 6182-6191.	7.2	37
12	Joint Effects of Residual Hardware Impairments and Channel Estimation Errors on SWIPT Assisted Cooperative NOMA Networks. IEEE Access, 2019, 7, 135499-135513.	2.6	36
13	Reconfigurable Intelligent Surface Enabled IoT Networks in Generalized Fading Channels. , 2020, , .		33
14	Fuzzy-Based Channel Selection for Location Oriented Services in Multichannel VCPS Environments. IEEE Internet of Things Journal, 2018, 5, 4642-4651.	5.5	32
15	Cybersecurity Measures for Geocasting in Vehicular Cyber Physical System Environments. IEEE Internet of Things Journal, 2019, 6, 5916-5926.	5.5	32
16	Hybrid WGWO: whale grey wolf optimization-based novel energy-efficient clustering for EH-WSNs. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	1.5	30
17	Green Computing in Sensors-Enabled Internet of Things: Neuro Fuzzy Logic-Based Load Balancing. Electronics (Switzerland), 2019, 8, 384.	1.8	29
18	Secrecy Performance of Cooperative Cognitive AF Relaying Networks With Direct Links Over Mixed Rayleigh and Double-Rayleigh Fading Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 15095-15112.	3.9	29

#	ARTICLE	IF	CITATIONS
19	Internet of Unmanned Aerial Vehicles: QoS Provisioning in Aerial Ad-Hoc Networks. Sensors, 2020, 20, 3160.	2.1	28
20	Toward Physical-Layer Security for Internet of Vehicles: Interference-Aware Modeling. IEEE Internet of Things Journal, 2021, 8, 443-457.	5.5	28
21	Variation Operators for Grouping Genetic Algorithms: A Review. Swarm and Evolutionary Computation, 2021, 60, 100796.	4.5	27
22	Toward Interference Aware IoT Framework: Energy and Geo-Location-Based-Modeling. IEEE Access, 2019, 7, 56617-56630.	2.6	26
23	Combined Conformal Strongly-Coupled Magnetic Resonance for Efficient Wireless Power Transfer. Energies, 2017, 10, 498.	1.6	20
24	Dual-Iterative Hybrid Beamforming Design for Millimeter-Wave Massive Multi-User MIMO Systems With Sub-Connected Structure. IEEE Transactions on Vehicular Technology, 2020, 69, 13482-13496.	3.9	19
25	An efficient data packet scheduling scheme for Internet of Things networks. , 2018, , .		18
26	Physical Layer Security in RIS-assisted Networks in Fisher-Snedecor Composite Fading. , 2020, , .		18
27	Near-Optimal Design for Hybrid Beamforming in mmWave Massive Multi-User MIMO Systems. IEEE Access, 2020, 8, 129153-129168.	2.6	17
28	Optimization of Time Synchronization and Algorithms with TDOA Based Indoor Positioning Technique for Internet of Things. Sensors, 2020, 20, 6513.	2.1	17
29	Enabling green computing in cloud environments: Network virtualization approach toward 5G support. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3434.	2.6	15
30	Internet of Things: Vision, Future Directions and Opportunities. Smart Sensors, Measurement and Instrumentation, 2019, , 331-347.	0.4	15
31	Security Analysis of Multi-Antenna NOMA Networks Under I/Q Imbalance. Electronics (Switzerland), 2019, 8, 1327.	1.8	15
32	Distance Based Pattern Driven Mining for Outlier Detection in High Dimensional Big Dataset. ACM Transactions on Management Information Systems, 2022, 13, 1-17.	2.1	15
33	Interference-Aware Multipath Video Streaming in Vehicular Environments. IEEE Access, 2018, 6, 47610-47626.	2.6	13
34	An energy efficient long hop (LH) first scheduling algorithm for scalable Internet of Things (IoT) networks. , 2017, , .		12
35	Implementation-Friendly and Energy-Efficient Symbol-by-Symbol Detection Scheme for IEEE 802.15.4 O-QPSK Receivers. IEEE Access, 2020, 8, 158402-158415.	2.6	12
36	W-GUN: Whale Optimization for Energy and Delay-Centric Green Underwater Networks. Sensors, 2020, 20, 1377.	2.1	12

#	ARTICLE	IF	CITATIONS
37	Competitor Intelligence and Product Innovation: The Role of Open-Mindedness and Interfunctional Coordination. IEEE Transactions on Engineering Management, 2022, 69, 314-328.	2.4	11
38	Smart street lighting over narrowband PLC in a smart city: The Triangulum case study. , 2016, , .		10
39	An IoT and business processes based approach for the monitoring and control of high value-added manufacturing processes. , 2017, , .		10
40	Physical Layer Security in Vehicular Communication Networks in the Presence of Interference. , 2019, , .		10
41	I/Q Imbalance and Imperfect SIC on Two-Way Relay NOMA Systems. Electronics (Switzerland), 2020, 9, 249.	1.8	10
42	LQOR: Link Quality-Oriented Route Selection on Internet of Things Networks for Green Computing. , 2018, , .		9
43	Indirect coupled oscillators for keystream generation in secure chaotic communication. , 2009, , .		8
44	A New Technique for Reducing Size of a WPT System Using Two-Loop Strongly-Resonant Inductors. Energies, 2017, 10, 1614.	1.6	8
45	Enabling Green Wireless Sensor Networks: Energy Efficient T-MAC Using Markov Chain Based Optimization. Electronics (Switzerland), 2019, 8, 534.	1.8	8
46	Modified Echo State Network Enabled Dynamic Duty Cycle for Optimal Opportunistic Routing in EH-WSNs. Electronics (Switzerland), 2020, 9, 98.	1.8	7
47	Deep Learning-Based Secure MIMO Communications with Imperfect CSI for Heterogeneous Networks. Sensors, 2020, 20, 1730.	2.1	7
48	Green Communication for Underwater Wireless Sensor Networks: Triangle Metric Based Multi-Layered Routing Protocol. Sensors, 2020, 20, 7278.	2.1	6
49	Secure digital communication using discrete-time chaotic systems via indirect coupling synchronization. , 2010, , .		5
50	Hybrid Satellite-Terrestrial Relay Network: Proposed Model and Application of Power Splitting Multiple Access. Sensors, 2020, 20, 4296.	2.1	5
51	Internet of Things Scalability: Communications and Data Management. Smart Sensors, Measurement and Instrumentation, 2019, , 311-329.	0.4	4
52	A new chaos-based communication scheme using observers. , 2008, , .		3
53	Average Secrecy Capacity of SIMO $k \geq 1/4$ Shadowed Fading Channels with Multiple Eavesdroppers. , 2020, , .		3
54	On feedback stabilization of nonlinear discrete-time state-delayed systems. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
55	Underlay CR-NOMA Relaying Networks over Non-Homogeneous Generalized Fading Channels. , 2020, , .		2
56	Observer-based secure communication using indirect coupled synchronization. , 2012, , .		1
57	Modified chaotic shift keying using indirect coupled chaotic synchronization for secure digital communication. , 2011, , .		1
58	Evolutionary Algorithms in Web Security: Exploring Untapped Potential. , 2020, , .		1
59	IEEE 802.11 Based Heterogeneous Networking: An Experimental Study. Communications in Computer and Information Science, 2018, , 237-246.	0.4	0