

Navrati Saxena

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

3,824
citations

331670

21
h-index

128289

60
g-index

101
all docs

101
docs citations

101
times ranked

4690
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Design and Analysis of Power Saving for IoT Gateway. IETE Technical Review (Institution of Tj ETQq1 1 0.784314 rgBTg/Overlo	3.2	11
2	Energy efficiency analysis of narrowband Internet of Things with auxiliary active cycles for small data transmission. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4376.	3.9	5
3	Machine Learning-Based DRX Mechanism in NR-Unclicensed. IEEE Wireless Communications Letters, 2022, 11, 1052-1056.	5.0	3
4	DRX in NR Unclicensed for B5G Wireless: Modeling and Analysis. IEEE Transactions on Mobile Computing, 2022, , 1-1.	5.8	4
5	A novel safety message dissemination framework in LTE-V2X system. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4275.	3.9	4
6	DRX in New Radio Unclicensed: A Step Beyond 5G Wireless. IEEE Communications Magazine, 2021, 59, 82-88.	6.1	14
7	Ambient Backscatter Communications to Energize IoT Devices. IETE Technical Review (Institution of Tj ETQq1 1 0.784314 rgBTg/Overlo	3.2	11
8	NexGen D-TCP: Next Generation Dynamic TCP Congestion Control Algorithm. IEEE Access, 2020, 8, 164482-164496.	4.2	16
9	Efficient Monitoring and Contact Tracing for COVID-19: A Smart IoT-Based Framework. IEEE Internet of Things Magazine, 2020, 3, 17-23.	2.6	32
10	Narrowband Internet of Things: A Comprehensive Study. Computer Networks, 2020, 173, 107209.	5.1	41
11	Incentive and Penalty Mechanism for Power Allocation in Cooperative D2D-Cellular Transmissions. Electronics (Switzerland), 2020, 9, 408.	3.1	3
12	Exploiting Social Relationships for Trustworthy D2D Relay in 5G Cellular Networks. IEEE Communications Magazine, 2020, 58, 48-53.	6.1	33
13	Social Reliable D2D Relay for Trustworthy Paradigm in 5G Wireless Networks. Peer-to-Peer Networking and Applications, 2020, 13, 1526-1538.	3.9	6
14	DRX over LAA-LTE-A New Design and Analysis Based on Semi-Markov Model. IEEE Transactions on Mobile Computing, 2019, 18, 276-289.	5.8	26
15	Artificial Intelligence-Based Discontinuous Reception for Energy Saving in 5G Networks. Electronics (Switzerland), 2019, 8, 778.	3.1	15
16	Accelerated Reliability Growth Test for Magnetic Resonance Imaging System Using Time-of-Flight Three-Dimensional Pulse Sequence. Diagnostics, 2019, 9, 164.	2.6	2
17	Backscatter Communications: Inception of the Battery-Free Era—A Comprehensive Survey. Electronics (Switzerland), 2019, 8, 129.	3.1	50
18	DeepDRX: A framework for deep learning-based discontinuous reception in 5G wireless networks. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3579.	3.9	12

#	ARTICLE	IF	CITATIONS
19	Directional Discontinuous Reception (DDRX) for mmWave Enabled 5G Communications. IEEE Transactions on Mobile Computing, 2019, 18, 2330-2343.	5.8	33
20	Flexible Beamforming in 5G Wireless for Internet of Things. IETE Technical Review (Institution of Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	3.2	13
21	Towards Connected Living: 5G Enabled Internet of Things (IoT). IETE Technical Review (Institution of Tj ETQq1 1 0.784314 rgBT /Over	3.2	83
22	Mobile assisted directional paging for 5G communications. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3270.	3.9	5
23	Battery-aware rate adaptation for extending video streaming playback time. Multimedia Tools and Applications, 2018, 77, 23877-23908.	3.9	5
24	Analytical modeling of DRX with flexible TTI for 5G communications. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3275.	3.9	10
25	Mobile Network Operator and Mobile User Cooperation for Customized D2D Data Services. Journal of Network and Systems Management, 2018, 26, 878-903.	4.9	4
26	Mobile Assisted Directional Paging (MADP) in Emerging 5G Wireless Networks. IEEE Wireless Communications Letters, 2018, 7, 416-419.	5.0	5
27	D-TCP: Dynamic TCP congestion control algorithm for next generation mobile networks. , 2018, , .		16
28	Efficient M2M Gateway Planning for Next-Generation Cellular Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 413-425.	3.2	2
29	Flooding Control in Named Data Networking. IETE Technical Review (Institution of Electronics and) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	7
30	Social C-RAN: Novel Futuristic Paradigm for Next-Generation Cellular Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 244-255.	3.2	0
31	D2D-based Survival on Sharing for critical communications. Wireless Networks, 2018, 24, 2283-2295.	3.0	8
32	MDP-Based Model for Interest Scheduling in IoT-NDN Environment. IEEE Communications Letters, 2018, 22, 232-235.	4.1	15
33	Ten Commandments of Emerging 5G Networks. Wireless Personal Communications, 2018, 98, 2591-2621.	2.7	18
34	MDP-IoT: MDP based interest forwarding for heterogeneous traffic in IoT-NDN environment. Future Generation Computer Systems, 2018, 79, 892-908.	7.5	46
35	Video Delivery Architecture for Hierarchical HetNet: HH-D2D Caching. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 494-505.	3.2	0
36	SPEAD: Smart P-GW for Enhanced Access Discovery and Selection for NGCN. , 2018, , .		0

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37	BiSON: A Bioinspired Self-Organizing Network for Dynamic Auto-Configuration in 5G Wireless. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	1.2	5
38	D2D-Based Survival on Sharing: For Enhanced Disaster Time Connectivity. IEEE Technology and Society Magazine, 2018, 37, 64-73.	0.8	2
39	Discount Interference Pricing Mechanism for Data Offloading in D2D Communications. IEEE Communications Letters, 2018, 22, 1688-1691.	4.1	12
40	3B-ARA: Bandwidth, Buffer, and Battery Aware Rate Adaptation for Dynamic HTTP Streaming. IEEE Communications Letters, 2018, 22, 962-965.	4.1	0
41	A Survey on 5G Network Technologies from Social Perspective. IETE Technical Review (Institution of Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.2	31
42	Device-to-Device Communication from Control and Frequency Perspective: A Composite Review. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2017, 34, 286-297.	3.2	8
43	Efficient IoT Gateway over 5G Wireless: A New Design with Prototype and Implementation Results. , 2017, 55, 97-105.		72
44	Efficient 5G Small Cell Planning With eMBMS for Optimal Demand Response in Smart Grids. IEEE Transactions on Industrial Informatics, 2017, 13, 1471-1481.	11.3	49
45	PPT: A Push Pull Traffic Algorithm to Improve QoS Provisioning in IoT-NDN Environment. IEEE Communications Letters, 2017, 21, 1417-1420.	4.1	21
46	Hybrid Directional Discontinuous Reception (HD-DRX) for 5G Communication. IEEE Communications Letters, 2017, 21, 1421-1424.	4.1	40
47	Energy-Efficient BBU Allocation for Green C-RAN. IEEE Communications Letters, 2017, 21, 1637-1640.	4.1	31
48	Convergence of WSN and cognitive cellular network using maximum frequency reuse. IET Communications, 2017, 11, 664-672.	2.2	9
49	Reliable Relay: Autonomous Social D2D Paradigm for 5G LoS Communications. IEEE Communications Letters, 2017, 21, 1593-1596.	4.1	22
50	Multilevel Hierarchical Caching for Efficient Wireless Video Distribution. IETE Journal of Research, 2017, 63, 260-267.	2.6	1
51	A Review on Game-Theoretic Incentive Mechanisms for Mobile Data Offloading in Heterogeneous Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2017, 34, 15-26.	3.2	8
52	Social Network Aware Caching for 5G Radio Access Network. IETE Technical Review (Institution of Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50	3.2	
53	Hybrid Artificial Bee Colony Algorithm for an Energy Efficient Internet of Things based on Wireless Sensor Network. IETE Technical Review (Institution of Electronics and Telecommunication Engineers,) Tj ETQq1 1 0.784314 rgBT /Overlock		
54	Extending Video Playback Time With Limited Residual Battery. IEEE Communications Letters, 2016, 20, 1659-1662.	4.1	4

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55	Traffic-Aware Cloud RAN: A Key for Green 5G Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 1010-1021.	14.0	59
56	RoBiN: Random Access using Border Routers in Cellular Networks. Mobile Networks and Applications, 2016, 21, 620-634.	3.3	0
57	ASAP: Active safety system for avoidance of vehicular pileup crashes. , 2016, , .		0
58	An Exhaustive Review on Internet of Things from Korea's Perspective. Wireless Personal Communications, 2016, 90, 1463-1486.	2.7	13
59	Proximity-based video delivery architecture for LTE networks. Electronics Letters, 2016, 52, 984-986.	1.0	3
60	Efficient Cell Outage Detection in 5G HetNets Using Hidden Markov Model. IEEE Communications Letters, 2016, 20, 562-565.	4.1	37
61	Next Generation 5G Wireless Networks: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 1617-1655.	39.4	2,413
62	NEST: novel eMBMS scheduling technique. Wireless Networks, 2016, 22, 1837-1850.	3.0	2
63	Energy Efficiency in Wireless Networks – a Composite Review. IETE Technical Review (Institution of Tj ETQq1 1 0,784314 rgBT /Ove	3.2	14
64	Exploiting multicast in LTE networks for smart grids demand response. , 2015, , .		9
65	Location-based social video sharing over next generation cellular networks. , 2015, 53, 136-143.		20
66	LTE multicast communication for demand response in smart grids. , 2014, , .		10
67	Stochastic hourly load forecasting for smart grids in Korea using NARX model. , 2014, , .		4
68	An outdoor assessment of scene analysis for Wi-Fi based positioning. , 2014, , .		4
69	Clustering based power management for green LTE networks. , 2014, , .		3
70	Auto-configuration of Physical Cell ID in LTE femtocellular systems using Self Organizing Networks. Wireless Networks, 2014, 20, 1107-1120.	3.0	4
71	Traffic-Aware Energy Optimization in Green LTE Cellular Systems. IEEE Communications Letters, 2014, 18, 38-41.	4.1	33
72	An efficient hybrid scheduling scheme for impatience user in eMBMS over LTE. , 2013, , .		6

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73	Special issue on advances in 4G wireless and beyond. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	2
74	Analysis of a novel advanced greedy perimeter stateless routing algorithm. , 2013, , .		2
75	Smart M2M Uplink Scheduling Algorithm over LTE. Elektronika Ir Elektrotechnika, 2013, 19, .	0.8	6
76	An intelligent wavelet transform-based framework to detect subsurface fires with NOAAâ€™AVHRR images. International Journal of Remote Sensing, 2012, 33, 1276-1295.	2.9	4
77	Multi-objective handover in LTE macro/femto-cell networks. Journal of Communications and Networks, 2012, 14, 578-587.	2.6	27
78	Optimal Tracking Area Update in LTE Systems. IEICE Transactions on Communications, 2010, E93-B, 2215-2218.	0.7	0
79	A new predictive dynamic priority scheduling in Ethernet passive optical networks (EPONs). Optical Switching and Networking, 2010, 7, 215-223.	2.0	15
80	New relay station addition scheme in multi-hop relay networks based on path loss. , 2010, , .		0
81	Improved Cluster Heads Selection Method in Wireless Sensor Networks. , 2010, , .		4
82	An efficient channel and queue aware resource allocation Strategy in wireless access networks. , 2010, , .		0
83	Greedy Forwarding with Virtual Destination Strategy for Geographic Routing in Wireless Sensor Networks. , 2010, , .		4
84	A Novel Resource Allocation and Admission Control in LTE Systems. IEICE Transactions on Communications, 2010, E93-B, 721-724.	0.7	0
85	Near-Optimal Tracking for Residents' Comfort in Context-Aware Heterogeneous Smart Environments. Computer Journal, 2009, 52, 878-889.	2.4	0
86	<i>QuEst</i>: a QoSâ€based energy efficient sensor routing protocol. Wireless Communications and Mobile Computing, 2009, 9, 417-426.	1.2	18
87	A new QoS aware predictive scheduling in EPONs. , 2009, , .		1
88	Dynamic Reservation Scheme of Physical Cell Identity for 3GPP LTE Femtocell Systems. Journal of Information Processing Systems, 2009, 5, 207-220.	0.9	26
89	Avoid Unnecessary Handovers in a High Dense Environment. Communications in Computer and Information Science, 2009, , 97-104.	0.5	0
90	A New Channel-Aware Rate Adaptation in High Speed WLANs. IEICE Transactions on Communications, 2009, E92-B, 2345-2348.	0.7	3

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91	Context-Aware Resource Management in Heterogenous Smart Environments. IEICE Transactions on Communications, 2009, E92-B, 318-321.	0.7	0
92	Near-Optimal Auto-Configuration of PCID in LTE Cellular Systems. IEICE Transactions on Communications, 2009, E92-B, 3252-3255.	0.7	0
93	Dynamic duty cycle and adaptive contention window based QoS-MAC protocol for wireless multimedia sensor networks. Computer Networks, 2008, 52, 2532-2542.	5.1	120
94	A QoS-Based Energy-Aware MAC Protocol for Wireless Multimedia Sensor Networks. IEEE Vehicular Technology Conference, 2008, , .	0.4	18
95	Mobility Management Survey for Home-eNB Based 3GPP LTE Systems. Journal of Information Processing Systems, 2008, 4, 145-152.	0.9	25
96	A Multi-objective Genetic Algorithmic Approach for QoS-Based Energy-Efficient Sensor Routing Protocol. Lecture Notes in Computer Science, 2007, , 523-526.	1.3	2
97	CARP: Context-Aware Resource Provisioning for Multimedia over 4G Wireless Networks. Lecture Notes in Computer Science, 2007, , 652-659.	1.3	4
98	An information theoretic framework for predictive channel reservation in VoIP over GPRS. International Journal of Communication Systems, 2006, 19, 463-489.	2.5	0
99	A dynamic hybrid scheduling algorithm for heterogeneous asymmetric environments. International Journal of Parallel, Emergent and Distributed Systems, 2005, 20, 185-204.	1.0	1
100	Data Scheduling and Transmission Strategies in Asymmetric Telecommunication Environments. , 0, , .		2