Nityananda Sarma

List of Publications by Year
in descending order

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Version: 2024-02-01

46	947	949033	759306
papers	citations	11 h-index	22 g-index

47	47	47	780
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Double Auction Framework for Multi-Channel Multi-Winner Heterogeneous Spectrum Allocation in Cognitive Radio Networks. IEEE Access, 2021, 9, 72239-72258.	2.6	8
2	Cooperative Spectrum Prediction-Driven Sensing for Energy Constrained Cognitive Radio Networks. IEEE Access, 2021, 9, 26107-26118.	2.6	27
3	PKSN: A pairing based key management scheme for heterogeneous sensor network. , 2018, , .		1
4	Effects of Various Factors on Performance of MAC Protocols for Underwater Wireless Sensor Networks. Materials Today: Proceedings, 2018, 5, 2263-2274.	0.9	15
5	Dynamic Threshold based Cooperative Spectrum Sensing using Coalitional Game for CRNs. , 2018, , .		0
6	Spectrum Allocation in Cognitive Radio Networksâ€"A Centralized Approach. Lecture Notes in Electrical Engineering, 2018, , 92-100.	0.3	3
7	Coalitional Game Theory based Cooperative Spectrum Sensing in CRNs. , 2017, , .		8
8	Opportunity prediction at MAC-layer sensing for ad-hoc cognitive radio networks. Journal of Network and Computer Applications, 2017, 82, 140-151.	5.8	5
9	A Cross-Layer Based Location-Aware Forwarding Using Distributed TDMA MAC for Ad-Hoc Cognitive Radio Networks. Wireless Personal Communications, 2017, 95, 4517-4534.	1.8	5
10	A distributed solution for cooperative spectrum sensing scheduling in multi-band cognitive radio networks. Journal of Network and Computer Applications, 2017, 94, 69-77.	5.8	6
11	A universal cloud user revocation scheme with key-escrow resistance for ciphertext-policy attribute-based access control. , 2017, , .		3
12	SCAuth: Selective Cloud User Authorization for Ciphertext-Policy Attribute-Based Access Control. , 2017, , .		1
13	Sequential bidding auction mechanism for spectrum sharing in cognitive radio networks. , 2017, , .		6
14	Malware detection vectors and analysis techniques: A brief survey. , 2016, , .		4
15	Allocation and access mechanisms for spectrum sharing in CRNs - a brief review. , 2016, , .		5
16	A brief review of cooperative spectrum sensing: Issues and challenges. , 2016, , .		3
17	An Efficient TDMA MAC Protocol for Multi-hop WiFi-Based Long Distance Networks. Wireless Personal Communications, 2016, 86, 1971-1994.	1.8	12
18	A Capacity Constraint Distributed Data Dissemination Protocol for Ad Hoc Cognitive Radio Networks. Advances in Intelligent Systems and Computing, 2016, , 621-633.	0.5	0

#	Article	IF	Citations
19	Routing and Spectrum Allocation in Elastic Optical Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2015, 17, 1776-1800.	24.8	501
20	Dynamic virtual backbone based routing in cognitive radio networks. , 2015, , .		0
21	PairVoting: A secure online voting scheme using Pairing-Based Cryptography and Fuzzy Extractor. , 2015, , .		4
22	Selection of communication carrier for underwater wireless sensor networks. , 2015, , .		3
23	A QoS-aware dynamic bandwidth allocation scheme for multi-hop WiFi-based long distance networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	9
24	A QoS-aware multipath routing protocol for WiFi-based long distance mesh networks. , 2014, , .		2
25	Constraint Based Cooperative Spectrum Sensing for Cognitive Radio Network. , 2014, , .		8
26	PAPAR: Pairing Based Authentication Protocol with Anonymous Roaming for Wireless Mesh Networks. , 2014, , .		1
27	A tightly synchronized TDMA MAC protocol for multi-hop WiFi-based long distance networks. , 2014, , .		1
28	A fine-tuned packet scheduling for WiFi-based Long Distance networks. , 2014, , .		3
29	Priority Based Dispersion-Reduced Wavelength Assignment for Optical Networks. Journal of Lightwave Technology, 2013, 31, 257-263.	2.7	29
30	A QoS-aware wavelength assignment scheme for optical networks. Optik, 2013, 124, 4498-4501.	1.4	11
31	Review and Performance Analysis on Routing and Wavelength Assignment Approaches for Optical Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2013, 30, 12.	2.1	43
32	Enhanced service differentiation using priority-based MAC protocol for MANETs. International Journal of Communication Networks and Distributed Systems, 2012, 8, 149.	0.3	1
33	Priority Based Routing and Wavelength Assignment With Traffic Grooming for Optical Networks. Journal of Optical Communications and Networking, 2012, 4, 480.	3.3	85
34	Mobility Aided Cooperative MIMO Transmission in Wireless Sensor Networks. Procedia Technology, 2012, 6, 362-370.	1.1	7
35	Performance Evaluation of Synchronous Energy Efficient MAC Protocols for Wireless Sensor Networks. Procedia Technology, 2012, 6, 806-813.	1.1	5
36	Cooperative MIMO in wireless sensor networks with mobile sensors for cooperativeness and data aggregation. , 2012, , .		2

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37	A heuristic priority based wavelength assignment scheme for optical networks. Optik, 2012, 123, 1505-1510.	1.4	13
38	AEEMAC: Adaptive energy efficient MAC protocol for wireless sensor networks. , 2011, , .		10
39	On demand k-coverage with purposeful mobility in wireless sensor networks. , 2011, , .		3
40	Service differentiation using priority-based MAC protocol in MANETs. International Journal of Internet Protocol Technology, 2010, 5, 115.	0.2	6
41	Route Stability Based QoS Routing in Mobile Ad Hoc Networks. Wireless Personal Communications, 2010, 54, 203-224.	1.8	55
42	A Multipath QoS Routing with Route Stability for Mobile Ad Hoc Networks. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2010, 27, 380.	2.1	22
43	A symmetric key based secured data gathering protocol for WSN. , 2009, , .		4
44	A Cross-layer QoS Mapping Framework for Mobile Ad Hoc Networks. IETE Technical Review (Institution) Tj ETQq0 0 0 rgBT /Overlock 10	2.1	5
45	A priority based QoS-Aware MAC protocol (PQAMP) in mobile ad hoc networks. , 2008, , .		1
46	Enhancing Fault-Tolerance in a Distributed Mutual Exclusion Algorithm. , 2006, , .		1