

Uma Bhattacharya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1761916/publications.pdf>

Version: 2024-02-01

48
papers

210
citations

1684188

5
h-index

1281871

11
g-index

48
all docs

48
docs citations

48
times ranked

128
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel RSCA Scheme for Offline Survivable SDM-EON With Advance Reservation. IEEE Transactions on Network and Service Management, 2022, 19, 804-817.	4.9	6
2	On survivable energy-efficient and crosstalk-aware routing, spectrum and core allocation schemes for dynamic multiclass traffic in SDM-EONs. Optical Switching and Networking, 2021, 42, 100630.	2.0	1
3	On Energy Efficient Survivable Multipath Based Approaches in Space Division Multiplexing Elastic Optical Network: Crosstalk-Aware and Fragmentation-Aware. IEEE Access, 2020, 8, 47344-47356.	4.2	29
4	Minimizing Cost of Regeneration at Regeneration Sitesâ€“A New Approach for Dynamic Lightpath Establishment in Translucent Optical Networks. IEEE Access, 2020, 8, 4198-4210.	4.2	0
5	An offline cost-efficient strategy for multicast traffic protection in WDM optical mesh networks to aid rapid recovery. Optical Switching and Networking, 2019, 34, 47-57.	2.0	3
6	Cognitive radio inspired NOMA with SWIPT for green multicasting in next generation wireless networks. , 2019, 92, 223-233.		7
7	An efficient heuristic to minimize number of regenerations in translucent optical network under dynamic scenario. , 2019, , .		1
8	An offline scheme for reducing cost of protection in all-optical WDM mesh networks with fast recovery. International Journal of Parallel, Emergent and Distributed Systems, 2019, 34, 572-593.	1.0	1
9	Efficient dynamic survivable multicasting in WDM mesh networks. , 2018, , .		4
10	On Green Multicasting Over Cognitive Radio Fading Channels. IEEE Transactions on Vehicular Technology, 2018, 67, 5491-5495.	6.3	6
11	Spectrum efficiency analysis for multicast services in cognitive radio based wireless networks. CSI Transactions on ICT, 2018, 6, 59-64.	1.0	2
12	An online cost-efficient protection scheme for quick recovery in all-optical WDM mesh networks. Photonic Network Communications, 2018, 35, 20-34.	2.7	2
13	Optimal Power Allocation for Multicasting in Multiple Antenna Cognitive Radio Networks. , 2018, , .		1
14	GSWA: A Survivable Dynamic Multicast Efficient RWA Scheme in WDM Mesh Networks. , 2018, , .		1
15	SDPM-RSA: An Efficient P-Cycle Based Survivability Scheme for Multicast Sessions in Elastic Optical Networks. , 2018, , .		1
16	NOMA inspired multicasting in cognitive radio networks. IET Communications, 2018, 12, 1845-1853.	2.2	24
17	A Multipath-Based Survivability Scheme in Energy-Efficient EON. IEEE Communications Letters, 2018, 22, 2024-2027.	4.1	22
18	SEMRSA. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Multi-criteria mobile gateway selection approach in vehicular internet. , 2017, , .		0
20	On optimal power allocation for energy efficient multicasting over cognitive radio fading channels. , 2017, , .		1
21	A survey on location management in LTE network. , 2017, , .		0
22	A high throughput internet access protocol (HTIAP) for moving things in smart cities. , 2016, , .		0
23	Optimal power allocation for cognitive radio multicast networks under primary users' outage loss constraint. , 2016, , .		2
24	CAC DPLB MCN: A Distributed Load Balancing Scheme in Multimedia Mobile Cellular Networks. Foundations of Computing and Decision Sciences, 2016, 41, 261-296.	1.2	0
25	Adaptive call admission control scheme with optimal resource allocation for multi-class cellular networks. International Journal of Autonomous and Adaptive Communications Systems, 2015, 8, 353.	0.3	0
26	MoveFree. , 2015, , .		13
27	Smart Mom. , 2015, , .		3
28	Reducing Call Blocks in Cellular Network with Non-Uniform Traffic Conditions. Foundations of Computing and Decision Sciences, 2014, 39, 301-318.	1.2	1
29	New call and handoff call management scheme for reuse partitioning based cellular systems. , 2014, , .		1
30	Improved algorithms for dynamic routing and wavelength assignment in WDM all-optical mesh networks. , 2014, , .		2
31	Dynamic survivable traffic grooming with effective load balancing in WDM all-optical mesh networks. , 2014, , .		2
32	A survey on regenerator Placement Problem in translucent optical network. , 2014, , .		5
33	RSRP: A Robust Secure Routing Protocol in MANET. Foundations of Computing and Decision Sciences, 2014, 39, 129-154.	1.2	3
34	Clar: A Novel Cluster Oriented Agent Based Routing Protocol for Manet. Foundations of Computing and Decision Sciences, 2013, 38, 3-23.	1.2	3
35	Load balancing scheme for wireless cellular networks. , 2013, , .		2
36	A secure routing scheme in MANET with CRT based secret sharing. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
37	Load balancing in Cellular Network: A review. , 2012, , .		12
38	Heuristic routing for reducing congestion in presence of link fault in de Bruijn WDM networks. , 2011, , .		1
39	Applications of wireless sensor network in Intelligent Traffic System: A review. , 2011, , .		23
40	A new channel reservation scheme to reduce call blocking in cellular networks. , 2011, , .		2
41	New strategies for static routing and wavelength assignment in de Bruijn WDM networks. , 2011, , .		4
42	Heuristic for Routing and Wavelength Assignment in de Bruijn WDM networks based on Graph Decomposition. , 2011, , .		4
43	A wavelength assignment algorithm for de Bruijn WDM networks. International Journal of Parallel, Emergent and Distributed Systems, 2011, 26, 477-491.	1.0	3
44	Congestion optimized routing in unidirectional de Bruijn WDM networks in presence of node faults. , 2009, , .		3
45	Channel Assignment in a High-Bandwidth de Bruijn Optical WDM Network. , 2008, , .		1
46	A new scalable optimal topology for multi-hop optical networks. Computer Communications, 2005, 28, 557-570.	5.1	5
47	Fault-Tolerant Characteristics of Conflict-Free Permutations in Omega Interconnection Networks. , 0, , .		0
48	A congestion controlled logical topology for multihop optical networks. , 0, , .		1