NoÃ©lia Correia

List of Publications by Year
in descending order

77 papers	505 citations	759233 12 h-index	752698 20 g-index
77 all docs	77 docs citations	77 times ranked	478 citing authors

#	Article	IF	Citations
1	Learn to Schedule (LEASCH): A Deep Reinforcement Learning Approach for Radio Resource Scheduling in the 5G MAC Layer. IEEE Access, 2020, 8, 108088-108101.	4.2	45
2	On Load Balancing via Switch Migration in Software-Defined Networking. IEEE Access, 2019, 7, 95998-96010.	4.2	42
3	Fault-Tolerance Planning in Multiradio Hybrid Wireless–Optical Broadband Access Networks. Journal of Optical Communications and Networking, 2009, 1, 645.	4.8	31
4	Dynamic Aggregation and Scheduling in CoAP/Observe-Based Wireless Sensor Networks. IEEE Internet of Things Journal, 2016, 3, 923-936.	8.7	29
5	Design of QoS-Aware Energy-Efficient Fiber–Wireless Access Networks. Journal of Optical Communications and Networking, 2012, 4, 586.	4.8	27
6	Interoperability in IoT Through the Semantic Profiling of Objects. IEEE Access, 2018, 6, 19379-19385.	4.2	26
7	A game-based algorithm for fair bandwidth allocation in Fibre-Wireless access networks. Optical Switching and Networking, 2013, 10, 149-162.	2.0	25
8	Fractional switch migration in multi-controller software-defined networking. Computer Networks, 2019, 157, 1-10.	5.1	23
9	Data Gathering in Wireless Sensor Networks Using Unmanned Aerial Vehicles. International Journal of Wireless Information Networks, 2016, 23, 297-309.	2.7	21
10	Load Adaptive and Fault Tolerant Framework for Energy Saving in Fiber–Wireless Access Networks. Journal of Optical Communications and Networking, 2013, 5, 957.	4.8	18
11	GACN: Self-Clustering Genetic Algorithm for Constrained Networks. IEEE Communications Letters, 2017, 21, 628-631.	4.1	16
12	Radio over fiber access network architecture employing reflective semiconductor optical amplifiers. , 2007, , .		15
13	Energy efficient routing algorithm for fiber-wireless access networks: A network formation game approach. Computer Networks, 2014, 60, 201-216.	5.1	13
14	Aggregation and scheduling in CoAP/Observe based wireless sensor networks. , 2015, , .		11
15	Resource Allocation Model for Sensor Clouds under the Sensing as a Service Paradigm. Computers, 2019, 8, 18.	3.3	11
16	Optimization of Mixed Numerology Profiles for 5G Wireless Communication Scenarios. Sensors, 2021, 21, 1494.	3.8	10
17	Resource Design in Constrained Networks for Network Lifetime Increase. IEEE Internet of Things Journal, 2017, 4, 1611-1623.	8.7	8
18	Hypermedia APIs for the Web of Things. IEEE Access, 2017, 5, 20058-20067.	4.2	8

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19	Design of network coding based reliable sensor networks. Ad Hoc Networks, 2019, 91, 101870.	5.5	8
20	Radio Resource Scheduling with Deep Pointer Networks and Reinforcement Learning. , 2020, , .		8
21	Correlation-Based Energy Saving Approach for Smart Fiber Wireless Networks. Journal of Optical Communications and Networking, 2015, 7, 525.	4.8	7
22	RELOAD/CoAP architecture with resource aggregation/disaggregation service. , 2016, , .		7
23	Analysis of Machine Learning Techniques Applied to Sensory Detection of Vehicles in Intelligent Crosswalks. Sensors, 2020, 20, 6019.	3.8	7
24	Protection Schemes for IP-over-WDM Networks: Throughput and Recovery Time Comparison. Photonic Network Communications, 2006, 11, 127-149.	2.7	6
25	A heuristic for fault-tolerance provisioning in multi-radio hybrid wireless-optical broadband access network. , 2009, , .		6
26	Forwarding Repeated Game for End-to-End QoS Support in Fiber-Wireless Access Networks. , 2010, , .		5
27	Flow Setup Aware Controller Placement in Distributed Software-Defined Networking. IEEE Systems Journal, 2020, 14, 5096-5099.	4.6	5
28	Allocation of Resources in SAaaS Clouds Managing Thing Mashups. IEEE Transactions on Network and Service Management, 2020, 17, 1597-1609.	4.9	5
29	DAG-Coder: Directed Acyclic Graph-Based Network Coding for Reliable Wireless Sensor Networks. IEEE Access, 2020, 8, 21886-21896.	4.2	5
30	Network game based routing for energy efficient Fibre-Wireless access networks. , 2012, , .		4
31	Frequency assignment in multi-channel and multi-radio FiWi access networks. , 2014, , .		4
32	Cross-layer optimization for reliability improvement of data delivery in 6LoWPAN-based networks. , 2015, , .		4
33	Semantic web thing architecture. , 2017, , .		4
34	Cognitive Load Balancing Approach for 6G MEC Serving IoT Mashups. Mathematics, 2022, 10, 101.	2.2	4
35	Sparse traffic grooming in WDM networks using coarse granularity OXCs. Photonic Network Communications, 2009, 17, 49-62.	2.7	3
36	Fairness for CoAP/Observe based wireless sensor networks with aggregation deployment. , 2015, , .		3

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37	Repeated game theory as a framework for algorithm development in communication networks. International Journal of Communication Systems, 2017, 30, e3043.	2.5	3
38	A Distributed CoRE-Based Resource Synchronization Mechanism. IEEE Internet of Things Journal, 2020, 7, 4625-4640.	8.7	3
39	Attention-based model and deep reinforcement learning for distribution of event processing tasks. Internet of Things (Netherlands), 2022, 19, 100563.	7.7	3
40	A Signaling Architecture for Consumer Oriented Grids Based on Optical Burst Switching. , 2007, , .		2
41	An Energy-Aware Resource Design Model for Constrained Networks. IEEE Communications Letters, 2016, 20, 1631-1634.	4.1	2
42	On Controllersâ€™ Utilization in Software-defined Networking by Switch Migration. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 52-61.	0.3	2
43	Performance Evaluation of Radio Resource Schedulers in LTE and 5G NR Two-Tier HetNets. , 2021, , .		2
44	Survivability in IP-over-WDM Networks: WDM Lightpath Protection versus IP LSP Protection. Fiber and Integrated Optics, 2005, 24, 353-369.	2.5	1
45	Recovery Time Analysis of WDM Protection Schemes. , 2006, , .		1
46	Distributed Algorithm for Traffic Grooming in IP-over-WDM Network. , 2007, , .		1
47	A Manageable and Bandwidth Effective Solution for Traffic Grooming in IP-over-WDM Networks. , 2007, , .		1
48	Heuristic approach for data gathering in wireless sensor networks. , 2015, , .		1
49	Improving Accessibility through Semantic Crowdsourcing. , 2016, , .		1
50	RELOAD/CoAP P2P Overlays for Network Coding Based Constrained Environments. IFIP Advances in Information and Communication Technology, 2017, , 307-315.	0.7	1
51	Planning of Vehicle Routing with Backup Provisioning Using Wireless Sensor Technologies. Information (Switzerland), 2017, 8, 94.	2.9	1
52	A Bounded Heuristic for Collection-Based Routing in Wireless Sensor Networks. IEEE Access, 2018, 6, 29858-29864.	4.2	1
53	RELOAD/CoAP architecture for the federation of wireless sensor networks. Peer-to-Peer Networking and Applications, 2020, 13, 27-37.	3.9	1
54	Adaptive Spectrum Allocation for 5G Wireless Communication Scenarios. , 2020, , .		1

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55	Deep PC-MAC: A deep reinforcement learning pointer-critic media access protocol. , 2020, , .		1
56	A Scalable and Reliable Model for the Placement of Controllers in SDN Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 72-82.	0.3	1
57	Probabilistic Network Coding for Reliable Wireless Sensor Networks. IFIP Advances in Information and Communication Technology, 2020, , 129-136.	0.7	1
58	A Resource Efficient Optical Protection Scheme for IP-over-WDM Networks. Lecture Notes in Computer Science, 2003, , 207-216.	1.3	0
59	Traffic grooming applied to network protection: throughput and grooming port cost analysis. , 0, , .		0
60	On the Maximum Protection Problem in IP-over-WDM Networks Using IP LSP Protection. Photonic Network Communications, 2005, 10, 73-85.	2.7	0
61	Cost analysis of grooming ports for IP-over-WDM network protection. , 2005, , .		0
62	Effective Protection Using Traffic Grooming Techniques. , 2006, , .		0
63	Evaluation and Comparison of Signaling Reservation Protocols for Grid over OBS Networks Employing Active Routers. , 2007, , .		0
64	Cost effectiveness of protection schemes for IP-over-WDM networks. Journal of Optical Networking, 2007, 6, 248.	2.5	0
65	A Minimization Cost Heuristic Approach for Traffic Grooming in IP-over-WDM Networks. , 2008, , .		0
66	A multi-objective optimization approach for fault-tolerance provisioning in multi-radio hybrid wireless-optical broadband access networks. , 2010, , .		0
67	A problem reduction approach for the design of fault-tolerant wireless-optical access networks. , 2011, , .		0
68	Vehicle routing with backup provisioning using wireless sensor infrastructure. , 2014, , .		0
69	Planning the Reassignment of Frequencies in Fiber-Wireless Access Networks. International Journal of Wireless Information Networks, 2016, 23, 199-213.	2.7	0
70	Resource design in federated sensor networks using RELOAD/CoAP overlay architectures. Computer Communications, 2021, 179, 11-21.	5.1	0
71	Survivability Mechanisms of Generalized Multiprotocol Label Switching. , 2008, , 593-599.		0
72	Fair Resource Assignment at Sensor Clouds Under the Sensing as a Service Paradigm. IFIP Advances in Information and Communication Technology, 2018, , 167-174.	0.7	0

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73	Semantically Enriched Hypermedia APIs for Next Generation IoT. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 19-26.	0.3	0
74	Resource Redesign in RELOAD/CoAP Overlays for the Federation of Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 31-40.	0.3	0
75	Modeling of Sensor Clouds Under the Sensing as a Service Paradigm. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 22-30.	0.3	0
76	On the Allocation of Resources in Sensor Clouds Under the Se-aaS Paradigm. Lecture Notes in Computer Science, 2020, , 544-556.	1.3	0
77	On the Fundamental Characteristics of Intelligent Reflecting Surface Enabled MIMO Channels. IEEE Internet of Things Magazine, 2022, 5, 67-72.	2.6	0