Diego Passos

List of Publications by Year
in descending order

48 papers	568 citations	1040056 9 h-index	713466 21 g-index
48 all docs	48 docs citations	48 times ranked	556 citing authors

#	Article	IF	Citations
1	Survey and Taxonomy of Duty Cycling Mechanisms in Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2014, 16, 181-194.	39.4	211
2	A survey on intrusion detection and prevention systems in digital substations. Computer Networks, 2021, 184, 107679.	5.1	44
3	A Joint Approach to Routing Metrics and Rate Adaptation in Wireless Mesh Networks. IEEE/ACM Transactions on Networking, 2012, 20, 999-1009.	3.8	32
4	Modelling the Data Aggregator Positioning Problem in Smart Grids. , 2015, , .		30
5	A comprehensive analysis on the use of schedule-based asynchronous duty cycling in wireless sensor networks. Ad Hoc Networks, 2014, 16, 142-164.	5.5	28
6	Minimum loss multiplicative routing metrics for wireless mesh networks. Journal of Internet Services and Applications, 2011, 1, 201-214.	2.1	20
7	On the impact of user mobility on peer-to-peer video streaming. IEEE Wireless Communications, 2008, 15, 54-62.	9.0	18
8	MOSKOU: A Heuristic for Data Aggregator Positioning in Smart Grids. IEEE Transactions on Smart Grid, 2018, 9, 6206-6213.	9.0	16
9	Fault detection and diagnosis for solar-powered Wireless Mesh Networks using machine learning. , 2017, , .		13
10	Nested block designs: Flexible and efficient schedule-based asynchronous duty cycling. Computer Networks, 2013, 57, 3316-3326.	5.1	11
11	Management Issues on Wireless Mesh Networks. , 2007, , .		10
12	Asynchronous Radio Duty Cycling for Green IoT: State of the Art and Future Perspectives. IEEE Communications Magazine, 2019, 57, 106-111.	6.1	10
13	An extended assessment of metaheuristics-based feature selection for intrusion detection in CPS perception layer. Annales Des Telecommunications/Annals of Telecommunications, 0, , 1.	2.5	10
14	GRASP-based Feature Selection for Intrusion Detection in CPS Perception Layer. , 2020, , .		9
15	Mesh Topology Viewer (MTV): an SVG-based interactive mesh network topology visualization tool. , 2008, , .		8
16	THOR: A framework to build an advanced metering infrastructure resilient to DAP failures in smart grids. Future Generation Computer Systems, 2019, 99, 11-26.	7.5	7
17	Context-Aware Routing in Delay and Disruption Tolerant Networks. International Journal of Wireless Information Networks, 2016, 23, 231-245.	2.7	6
18	SDNâ€based teleprotection and control power systems: A study of available controllers and their suitability. International Journal of Network Management, 2021, 31, e2112.	2.2	6

#	Article	IF	Citations
19	Wireless multipath video transmission: when IoT video applications meet networking—a survey. Multimedia Systems, 2022, 28, 831-850.	4.7	6
20	Scalability evaluation of the data aggregator positioning problem in smart grids. , 2016, , .		5
21	Association stability and handoff latency tradeoff in dense IEEE 802.11 networks: A case study. Computer Communications, 2020, 159, 175-185.	5.1	5
22	BiRD—A Novel Bi-Dimensional Design to Multi-Channel Continuous Rendezvous in Cognitive Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1031-1043.	7.9	5
23	A Joint Approach to Routing Metrics and Rate Adaptation in Wireless Mesh Networks. , 2009, , .		4
24	Linear mesh network planning for power transmission line management. Transactions on Emerging Telecommunications Technologies, 2016, 27, 1396-1408.	3.9	4
25	An SDN-based access point virtualization solution for multichannel IEEE 802.11 networks. , 2019, , .		4
26	An NDT Model for Block Designs Operating Under Asymmetrical Duty Cycling. IEEE Wireless Communications Letters, 2020, 9, 2116-2120.	5.0	4
27	3AS: Authentication, Authorization, and Accountability for SDN-Based Smart Grids. IEEE Access, 2021, 9, 88621-88640.	4.2	4
28	On the Performance of GRASP-Based Feature Selection for CPS Intrusion Detection. IEEE Transactions on Network and Service Management, 2022, 19, 614-626.	4.9	4
29	An Exact Model of the Neighbor Discovery Time for Schedule-Based Asynchronous Duty Cycling. IEEE Wireless Communications Letters, 2013, 2, 635-638.	5.0	3
30	On the decrease in frame reception probability under heavy transmission loads in IEEE 802.11 networks. Computer Standards and Interfaces, 2013, 35, 374-379.	5.4	3
31	LIBR: ID-based routing for linear Wireless Mesh Networks. , 2015, , .		3
32	Multi-Channel Continuous Rendezvous in Cognitive Networks. , 2017, , .		3
33	AFTER: Algorithmic Framework for Throughput EstimatoRs for IEEE 802.11 networks. Simulation Modelling Practice and Theory, 2018, 84, 143-160.	3.8	3
34	Robust Advanced Metering Infrastructures and Networks for Smart Grid. Engergy Systems in Electrical Engineering, 2019, , 551-605.	0.7	3
35	Towards a fast and stable filter for RSSI-based handoff algorithms in dense indoor WLANs. Computer Communications, 2022, 183, 19-32.	5.1	3
36	Evaluation of the reduction of NDT in WSN with asymmetric schedule-based asynchronous duty cycle mechanisms. , 2021, , .		3

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37	Neighbor discovery time in schedule-based asynchronous duty cycling. , 2012, , .		2
38	Counselors network for intrusion detection. International Journal of Network Management, 2021, 31, e2111.	2.2	2
39	Evaluating secondary transmission opportunities with full duplex radios. , 2014, , .		1
40	Collision probability estimation in wireless networks. , 2016, , .		1
41	Reducing multi-hop communication latency of schedule-based asynchronous duty cycle mechanisms through low-resolution synchronization. , 2018, , .		1
42	Reducing the Variability in Routing Decisions in Wireless Mesh Networks. , 2018, , .		1
43	A Framework for Monitoring Patients with Alzheimer's and Other Dementias. , 2019, , .		1
44	Analysis of Smart Grid Fault Recovery Protocols. , 2020, , .		1
45	Modeling the transmission of coded packets for coding aware routing. , 2012, , .		0
46	Revisiting Probabilistic Schedule-Based Asynchronous Duty Cycling. International Journal of Wireless Information Networks, 2019, 26, 24-38.	2.7	0
47	A Case Study of Association Instability in Dense IEEE 802.11 Networks. , 2019, , .		0
48	Modeling the performance of the link quality hypothesis test estimator mechanism in wireless networks. Wireless Networks, 2021, 27, 4065-4081.	3.0	0