Paulo Cardieri

List of Publications by Year
in descending order

46 papers	1,292 citations	840776 11 h-index	580821 25 g-index
46 all docs	46 docs citations	46 times ranked	929 citing authors

#	Article	IF	Citations
1	Advancing engineering education: Using the threeâ€phase methodology to teach IoT. Computer Applications in Engineering Education, 2022, 30, 1547-1560.	3.4	1
2	Uniqueness of Stationary Distributions in Random Access Poisson Networks. IEEE Communications Letters, 2021, , 1-1.	4.1	1
3	Delay and Peak-Age-of-Information of ALOHA Networks With Limited Retransmissions. IEEE Wireless Communications Letters, 2021, 10, 2328-2332.	5.0	3
4	A remote emulation environment for the teaching of lowâ€power wireless communications. Computer Applications in Engineering Education, 2021, 29, 1453-1464.	3.4	9
5	Throughput-Delay Tradeoff in Coupled Queues in Wireless Networks: Priority and Concurrent Transmissions Regimes. IEEE Transactions on Wireless Communications, 2021, 20, 5423-5433.	9.2	1
6	Area spectral efficiency and energy efficiency in underlay D2D cellular networks. IET Communications, 2021, 15, 163-178.	2.2	1
7	Packet Retransmission in Hybrid Millimeter-Wave and Microwave D2D Communication System. Wireless Personal Communications, 2020, 110, 1251-1270.	2.7	2
8	Performance of LoRaWAN for Handling Telemetry and Alarm Messages in Industrial Applications. Sensors, 2020, 20, 3061.	3.8	10
9	Optimisation of the transmission capacity of cognitive networks. IET Communications, 2020, 14, 568-579.	2.2	2
10	Performance Analysis and Optimization of a N -Class Bipolar Network. IEEE Access, 2019, 7, 135118-135132.	4.2	10
11	An Analysis of the Use of Multiple Transmission Power Levels on Wireless Sensor Networks. Proceedings (mdpi), 2019, 4, 3.	0.2	0
12	A PBL-Based Methodology for IoT Teaching. IEEE Communications Magazine, 2019, 57, 20-26.	6.1	17
13	Feasibility of Alarm Events upon Smart Metering in LoRa Networks. , 2019, , .		3
14	Performance Analysis of Uplink Traffic for Machine Type Communication in Wireless Sensor Networks. , 2018, , .		2
15	Packet Retransmission in D2D Underlay Cellular Networks. IEEE Communications Letters, 2018, 22, 1914-1917.	4.1	1
16	The RFID Propagation Scenario. Wireless Personal Communications, 2017, 92, 437-454.	2.7	1
17	The impact of multiple power levels on the lifetime of Wireless Sensor Networks. , 2016, , .		1
18	Throughput analysis of cognitive wireless networks with Poisson distributed nodes based on location information. Ad Hoc Networks, 2015, 33, 1-15.	5.5	11

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19	Models for the modern power grid. European Physical Journal: Special Topics, 2014, 223, 2423-2437.	2.6	89
20	Geographic routing by using location algorithm based in signal measurements. , 2014, , .		2
21	Throughput of wireless networks with Poisson distributed nodes using location information. , 2014, , .		0
22	Spectral efficiency and aggregate capacity in cognitive radio networks- An application study. , 2014, , .		1
23	Throughput Optimization in Wireless Networks Under Stability and Packet Loss Constraints. IEEE Transactions on Mobile Computing, 2014, 13, 1883-1895.	5.8	32
24	Maximum Service Rate of Two Interacting Queues with Delay Constraint. , 2014, , .		1
25	Efficiency of Wireless Networks under Different Hopping Strategies. IEEE Transactions on Wireless Communications, 2012, 11, 15-20.	9.2	47
26	Optimal Transmission Capacity of Ad Hoc Networks with Packet Retransmissions. IEEE Transactions on Wireless Communications, 2012, , 1-7.	9.2	28
27	Spatial capacity of ad hoc wireless networks with Poisson distributed nodes. , 2012, , .		3
28	Characterization of the RFID deterministic path loss in manufacturing environments. , 2012, , .		3
29	Stable transmission capacity in Poisson wireless networks with delay guarantees. , 2012, , .		2
30	Maximising transmission capacity of ad hoc networks via transmission system design. Electronics Letters, 2011, 47, 348.	1.0	6
31	Modeling Interference in Wireless Ad Hoc Networks. IEEE Communications Surveys and Tutorials, 2010, 12, 551-572.	39.4	199
32	Multi-Hop Aggregate Information Efficiency in Wireless Ad Hoc Networks. , 2009, , .		8
33	Collision probabilities for dynamic spectrum access with cognitive radios. , 2009, , .		2
34	Aggregate information efficiency in wireless ad hoc networks with outage constraints. , 2008, , .		5
35	Aggregate Information Efficiency and Packet Delay in Wireless Ad Hoc Networks. , 2008, , .		7
36	Reference Path Ad Hoc Routing Mechanism. , 2007, , .		0

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37	Highly accurate range-adaptive lognormal approximation to lognormal sum distributions. Electronics Letters, 2006, 42, 361.	1.0	21
38	Simple accurate lognormal approximation to lognormal sums. Electronics Letters, 2005, 41, 1016.	1.0	43
39	Statistical analysis of co-channel interference in wireless communications systems. Wireless Communications and Mobile Computing, 2001, 1, 111-121.	1.2	37
40	Application of narrow-beam antennas and fractional loading factor in cellular communication systems. IEEE Transactions on Vehicular Technology, 2001, 50, 430-440.	6.3	17
41	Overview of spatial channel models for antenna array communication systems. IEEE Personal Communications, 1998, 5, 10-22.	3.8	651
42	Channel allocation in SDMA cellular systems. , 0, , .		5
43	Total Information Efficiency in Multihop Wireless Networks. , 0, , .		6
44	A TpMâ€based collaborative system to teach IoT. Computer Applications in Engineering Education, 0, , .	3.4	1
45	Desenvolvimento de experimentos sobre comunicaÃ§Ã£o digital empregando tecnologia FPGA para laboratÃ³rio de ensino de telecomunicaÃ§Ãµes. , 0, , .		0
46	Estudo comparativo entre comunicaÃ§Ã£o molecular e comunicaÃ§Ã£o sem fio. , 0, , .		0