Paulo Cardieri

List of Publications by Year
in descending order

46 papers	**1,292** citations	840585 **11** h-index	580701 **25** g-index
46 all docs	**46** docs citations	**46** times ranked	**929** citing authors

#	Article	IF	Citations
1	Overview of spatial channel models for antenna array communication systems. IEEE Personal Communications, 1998, 5, 10-22.	4.5	651
2	Modeling Interference in Wireless Ad Hoc Networks. IEEE Communications Surveys and Tutorials, 2010, 12, 551-572.	24.8	199
3	Models for the modern power grid. European Physical Journal: Special Topics, 2014, 223, 2423-2437.	1.2	89
4	Efficiency of Wireless Networks under Different Hopping Strategies. IEEE Transactions on Wireless Communications, 2012, 11, 15-20.	6.1	47
5	Simple accurate lognormal approximation to lognormal sums. Electronics Letters, 2005, 41, 1016.	0.5	43
6	Statistical analysis of co-channel interference in wireless communications systems. Wireless Communications and Mobile Computing, 2001, 1, 111-121.	0.8	37
7	Throughput Optimization in Wireless Networks Under Stability and Packet Loss Constraints. IEEE Transactions on Mobile Computing, 2014, 13, 1883-1895.	3.9	32
8	Optimal Transmission Capacity of Ad Hoc Networks with Packet Retransmissions. IEEE Transactions on Wireless Communications, 2012, , 1-7.	6.1	28
9	Highly accurate range-adaptive lognormal approximation to lognormal sum distributions. Electronics Letters, 2006, 42, 361.	0.5	21
10	Application of narrow-beam antennas and fractional loading factor in cellular communication systems. IEEE Transactions on Vehicular Technology, 2001, 50, 430-440.	3.9	17
11	A PBL-Based Methodology for IoT Teaching. IEEE Communications Magazine, 2019, 57, 20-26.	4.9	17
12	Throughput analysis of cognitive wireless networks with Poisson distributed nodes based on location information. Ad Hoc Networks, 2015, 33, 1-15.	3.4	11
13	Performance Analysis and Optimization of a N -Class Bipolar Network. IEEE Access, 2019, 7, 135118-135132.	2.6	10
14	Performance of LoRaWAN for Handling Telemetry and Alarm Messages in Industrial Applications. Sensors, 2020, 20, 3061.	2.1	10
15	A remote emulation environment for the teaching of low‐power wireless communications. Computer Applications in Engineering Education, 2021, 29, 1453-1464.	2.2	9
16	Multi-Hop Aggregate Information Efficiency in Wireless Ad Hoc Networks. , 2009, , .		8
17	Aggregate Information Efficiency and Packet Delay in Wireless Ad Hoc Networks. , 2008, , .		7
18	Total Information Efficiency in Multihop Wireless Networks. , 0, , .		6

#	Article	IF	Citations
19	Maximising transmission capacity of ad hoc networks via transmission system design. Electronics Letters, 2011, 47, 348.	0.5	6
20	Channel allocation in SDMA cellular systems. , 0, , .		5
21	Aggregate information efficiency in wireless ad hoc networks with outage constraints. , 2008, , .		5
22	Spatial capacity of ad hoc wireless networks with Poisson distributed nodes. , 2012, , .		3
23	Characterization of the RFID deterministic path loss in manufacturing environments. , 2012, , .		3
24	Feasibility of Alarm Events upon Smart Metering in LoRa Networks. , 2019, , .		3
25	Delay and Peak-Age-of-Information of ALOHA Networks With Limited Retransmissions. IEEE Wireless Communications Letters, 2021, 10, 2328-2332.	3.2	3
26	Collision probabilities for dynamic spectrum access with cognitive radios. , 2009, , .		2
27	Stable transmission capacity in Poisson wireless networks with delay guarantees. , 2012, , .		2
28	Geographic routing by using location algorithm based in signal measurements. , 2014, , .		2
29	Performance Analysis of Uplink Traffic for Machine Type Communication in Wireless Sensor Networks. , 2018, , .		2
30	Packet Retransmission in Hybrid Millimeter-Wave and Microwave D2D Communication System. Wireless Personal Communications, 2020, 110, 1251-1270.	1.8	2
31	Optimisation of the transmission capacity of cognitive networks. IET Communications, 2020, 14, 568-579.	1.5	2
32	Spectral efficiency and aggregate capacity in cognitive radio networks- An application study. , 2014, , .		1
33	The impact of multiple power levels on the lifetime of Wireless Sensor Networks. , 2016, , .		1
34	The RFID Propagation Scenario. Wireless Personal Communications, 2017, 92, 437-454.	1.8	1
35	Packet Retransmission in D2D Underlay Cellular Networks. IEEE Communications Letters, 2018, 22, 1914-1917.	2.5	1
36	Uniqueness of Stationary Distributions in Random Access Poisson Networks. IEEE Communications Letters, 2021, , 1-1.	2.5	1

#	Article	IF	Citations
37	Throughput-Delay Tradeoff in Coupled Queues in Wireless Networks: Priority and Concurrent Transmissions Regimes. IEEE Transactions on Wireless Communications, 2021, 20, 5423-5433.	6.1	1
38	A TpMâ€based collaborative system to teach IoT. Computer Applications in Engineering Education, 0, , .	2.2	1
39	Maximum Service Rate of Two Interacting Queues with Delay Constraint. , 2014, , .		1
40	Area spectral efficiency and energy efficiency in underlay D2D cellular networks. IET Communications, 2021, 15, 163-178.	1.5	1
41	Advancing engineering education: Using the threeâ€phase methodology to teach IoT. Computer Applications in Engineering Education, 2022, 30, 1547-1560.	2.2	1
42	Reference Path Ad Hoc Routing Mechanism. , 2007, , .		0
43	Throughput of wireless networks with Poisson distributed nodes using location information. , 2014, , .		0
44	An Analysis of the Use of Multiple Transmission Power Levels on Wireless Sensor Networks. Proceedings (mdpi), 2019, 4, 3.	0.2	0
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