

Gianni Pasolini

List of Publications by Year in descending order

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66
papers

759
citations

840776

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66
docs citations

66
times ranked

769
citing authors

#	ARTICLE	IF	CITATIONS
1	On the LoRa Chirp Spread Spectrum Modulation: Signal Properties and Their Impact on Transmitter and Receiver Architectures. IEEE Transactions on Wireless Communications, 2022, 21, 357-369.	9.2	12
2	LoRaWANSim: A Flexible Simulator for LoRaWAN Networks. Sensors, 2021, 21, 695.	3.8	29
3	Exploiting the Agent's Memory in Asymptotic and Finite-Time Consensus Over Multi-Agent Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 479-490.	2.8	9
4	Crowd-Based Cognitive Perception of the Physical World: Towards the Internet of Senses. Sensors, 2020, 20, 2437.	3.8	5
5	Design, Deployment and Evolution of Heterogeneous Smart Public Lighting Systems. Applied Sciences (Switzerland), 2019, 9, 3281.	2.5	41
6	The Need of Multidisciplinary Approaches and Engineering Tools for the Development and Implementation of the Smart City Paradigm. Proceedings of the IEEE, 2018, 106, 738-760.	21.3	42
7	Distributed Nonasymptotic Confidence Region Computation Over Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 308-324.	2.8	5
8	Exploiting Node Memory for Finite-time Average Consensus over WSNs. , 2018, , .		2
9	On Molecular Communications via Diffusion with Multiple Transmitters and Multiple Receivers. , 2018, , .		3
10	An efficient method for physical fields mapping through crowdsensing. Pervasive and Mobile Computing, 2018, 48, 69-83.	3.3	10
11	Smart City Pilot Projects Using LoRa and IEEE802.15.4 Technologies. Sensors, 2018, 18, 1118.	3.8	120
12	A Raspberry Pi-Based Platform for Signal Processing Education [SP Education]. IEEE Signal Processing Magazine, 2017, 34, 151-158.	5.6	9
13	Distributed faulty node detection in DTNs in presence of Byzantine attack. , 2017, , .		2
14	On random sampling with nodes attraction: The case of Gauss-Poisson process. , 2017, , .		10
15	Information diffusion algorithms over WSNs for non-asymptotic confidence region evaluation. , 2017, , .		1
16	Design Criteria for FIR-Based Echo Cancellers. IEEE Transactions on Broadcasting, 2016, 62, 562-578.	3.2	12
17	A software defined radio platform with Raspberry Pi and Simulink. , 2016, , .		4
18	Energy and Spectrum Efficient Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2016, 12, 3708927.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Impact of channel access issues and packet losses on distributed outlier detection within wireless sensor networks. , 2016, , .		0
20	On remote source coding for signal estimation via Poisson sampling. , 2016, , .		4
21	Defective Sensor Identification for WSNs Involving Generic Local Outlier Detection Tests. IEEE Transactions on Signal and Information Processing Over Networks, 2016, 2, 29-48.	2.8	18
22	Experimental Results on Secret-Key Extraction from Unsynchronized UWB Channel Observations. Lecture Notes in Electrical Engineering, 2016, , 111-124.	0.4	0
23	Iterative distributed outlier detection for wireless sensor networks: Equilibrium and convergence analysis. , 2015, , .		0
24	Secret Information of Wireless Multi-Dimensional Gaussian Channels. IEEE Transactions on Wireless Communications, 2015, 14, 3429-3442.	9.2	13
25	Impact of echo canceller taps quantization on repeater stability. , 2015, , .		1
26	IEEE 802.11p for cellular offloading in vehicular sensor networks. Computer Communications, 2015, 60, 97-108.	5.1	58
27	Low-complexity distributed fault detection for wireless sensor networks. , 2015, , .		8
28	A secret key exchange scheme for near field communication. , 2014, , .		3
29	Virtual road side units for geo-routing in VANETs. , 2014, , .		3
30	Distributed SPS algorithms for non-asymptotic confidence region evaluation. , 2014, , .		4
31	Secret key generation in correlated multi-dimensional Gaussian channels. , 2014, , .		1
32	A distributed algorithm for virtual traffic lights with IEEE 802.11p. , 2014, , .		14
33	Performance analysis of multiuser 2-hop systems with random placement of relay nodes. , 2014, , .		3
34	The effect of channel spatial correlation on physical layer security in multi-antenna scenarios. , 2013, , .		2
35	On the Impact of Routing Strategies on the Interference of Ad Hoc Wireless Networks. IEEE Transactions on Communications, 2013, 61, 4322-4333.	7.8	28
36	Optimal transmission policies for energy harvesting nodes with partial information of energy arrivals. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
37	On the use of OFDMA for next generation vehicular ad hoc networks. , 2013, , .		4
38	V2V and V2R for cellular resources saving in vehicular applications. , 2012, , .		19
39	On the accuracy of physical layer modelling within wireless network simulators. Simulation Modelling Practice and Theory, 2012, 22, 47-60.	3.8	2
40	Telecommunication systems enabling real time navigation. , 2010, , .		11
41	Multistage Decimators with Minimum Group Delay. , 2010, , .		8
42	IEEE802.16e Simulation Issues. , 2009, , .		4
43	On the benefits of diversity schemes for Bluetooth coverage extension in the presence of IEEE802.11g interference. Wireless Communications and Mobile Computing, 2008, 8, 585-595.	1.2	1
44	TCP Level Investigation of Parallel Transmission over Heterogeneous Wireless Networks. , 2008, , .		0
45	Multiradio Resource Management: Parallel Transmission for Higher Throughput?. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.7	26
46	IEEE802.16E Wirelessman-OFDMA Transport Level Throughput Analysis. , 2007, , .		0
47	IEEE802.16e Best Effort Performance Investigation. , 2007, , .		6
48	TCP Performance of MC-CDMA Systems with Partial Equalization in Correlated Fading Channels. , 2007, , .		0
49	How Equalization Techniques Affect the TCP Performance of MC-CDMA Systems in Correlated Fading Channels. Eurasip Journal on Wireless Communications and Networking, 2007, 2008, .	2.4	3
50	Configuration Issues and Best Effort Performance Investigation of IEEE 802.16e. , 2007, , 177-195.		0
51	A Selection Diversity Scheme for Bluetooth Coverage Extension. , 2006, , .		1
52	SHINE: Simulation platform for Heterogeneous Interworking Networks. , 2006, , .		37
53	Exploiting Diversity Reception for Bluetooth Systems with IEEE802.11g Interference in Fading Channels. , 2006, , .		0
54	Exploiting Diversity for Coverage Extension of Bluetooth-Based Mobile Services. Eurasip Journal on Wireless Communications and Networking, 2006, 2006, 1.	2.4	2

#	ARTICLE	IF	CITATIONS
55	DVB-S Gap Fillers for Railway Tunnels. , 2006, , .		9
56	PHY Level Modelling for Network Simulations: Strategies, Approximations and Costs. , 2006, , .		3
57	Selection Diversity for Bluetooth in the Presence of IEEE802.11G Interference. , 2006, , .		2
58	Radio network aspects. , 2006, , 443-510.		0
59	Analytical Evaluation of Throughput for a Bluetooth Piconet with MAC Level Link Adaptation. Mobile Networks and Applications, 2005, 10, 717-725.	3.3	0
60	Analytical Investigation on the Coexistence of Bluetooth Piconets. IEEE Communications Letters, 2004, 8, 144-146.	4.1	15
61	Bluetooth and IEEE 802.11b coexistence: analytical performance evaluation in fading channels. IEEE Journal on Selected Areas in Communications, 2003, 21, 259-269.	14.0	95
62	Title is missing!. International Journal of Wireless Information Networks, 2002, 9, 141-153.	2.7	9
63	Bluetooth for ITS?. , 0, , .		10
64	Throughput evaluation for a bluetooth piconet with link adaptation. , 0, , .		2
65	WLAN call admission control strategies for voice traffic over integrated 3G/WLAN networks. , 0, , .		9
66	Real Time Acquisition of Traffic Information through V2V, V2R, and V2I Communications. , 0, , 72-92.		2