

Romeo Giuliano

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

959
citations

840776
11
h-index

580821
25
g-index

84
all docs

84
docs citations

84
times ranked

698
citing authors

#	ARTICLE	IF	CITATIONS
1	WiMAX fractional frequency reuse for rural environments. IEEE Wireless Communications, 2008, 15, 60-65.	9.0	94
2	On the Coexistence of Power-Controlled Ultrawide-Band Systems With UMTS, GPS, DCS1800, and Fixed Wireless Systems. IEEE Transactions on Vehicular Technology, 2005, 54, 62-81.	6.3	91
3	Predicting Employee Attrition Using Machine Learning Techniques. Computers, 2020, 9, 86.	3.3	77
4	Exponential effective SINR approximations for OFDM/OFDMA-based cellular system planning. IEEE Transactions on Wireless Communications, 2009, 8, 4434-4439.	9.2	64
5	Security Access Protocols in IoT Capillary Networks. IEEE Internet of Things Journal, 2017, 4, 645-657.	8.7	56
6	LoRa System for Search and Rescue: Path-Loss Models and Procedures in Mountain Scenarios. IEEE Internet of Things Journal, 2021, 8, 1985-1999.	8.7	53
7	Indoor Localization System Based on Bluetooth Low Energy for Museum Applications. Electronics (Switzerland), 2020, 9, 1055.	3.1	39
8	WiMAX networks for emergency management based on UAVs. , 2012, , .		32
9	Interoperability between WiMAX and broadband mobile space networks [topics in radio communications]. , 2008, 46, 50-57.		25
10	Performance Evaluation of Detect and Avoid Procedures for Improving UWB Coexistence with UMTS and WiMAX systems. , 2006, , .		24
11	Indoor localization system for first responders in emergency scenario. , 2013, , .		21
12	Fractional Frequency Reuse Planning for WiMAX over Frequency Selective Channels. , 2008, , .		19
13	Reuse Distance for an Ofdma-Based Cellular System. , 2006, , .		18
14	Algorithms for dynamic frequency selection for femto-cells of different operators. , 2010, , .		17
15	Consumed power analysis for mobile radio system dimensioning. , 2013, , .		17
16	Satellite-Based Capillary 5G-mMTC Networks for Environmental Applications. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 40-48.	1.3	17
17	Performance evaluation of an opportunistic distributed power control procedure for wireless multiple access. , 2012, , .		15
18	Application of UWB Technology for Underlay Signaling in Cognitive Radio Networks. Recent Patents on Computer Science, 2012, 5, 109-116.	0.5	15

#	ARTICLE	IF	CITATIONS
19	Capacity Analysis for UWB Systems with Power Controlled Terminals under Power and Coexistence Constraints. IEEE Transactions on Wireless Communications, 2006, 5, 3316-3328.	9.2	14
20	Monitoring and vibration risk assessment in cultural heritage via Wireless Sensors Network. , 2009, , .		12
21	An always available control channel for cooperative sensing in cognitive radio networks. , 2010, , .		12
22	Integrated Public Mobile Radio Networks/Satellite for Future Railway Communications. IEEE Wireless Communications, 2017, 24, 90-97.	9.0	12
23	Multi-Slope Path Loss and Position Estimation With Grid Search and Experimental Results. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 551-561.	2.8	12
24	Employee Attrition Prediction Using Deep Neural Networks. Computers, 2021, 10, 141.	3.3	12
25	Dimensioning of OFDM/OFDMA-Based Cellular Networks Using Exponential Effective SINR. IEEE Transactions on Vehicular Technology, 2009, 58, 4204-4213.	6.3	11
26	Smart cell sectorization for third generation CDMA systems. Wireless Communications and Mobile Computing, 2002, 2, 253-267.	1.2	10
27	Performance Evaluation of Spectrum Sharing Algorithms in Single and Multi Operator Scenarios. , 2011, , .		9
28	Coexistence of an ultrawideband spread spectrum system with fixed wireless access systems. Computer Networks, 2004, 44, 583-598.	5.1	8
29	Unbundling in Current Broadband and Next-Generation Ultra-Broadband Access Networks. Fiber and Integrated Optics, 2014, 33, 129-148.	2.5	8
30	IMPERSONAL: An IoT-Aided Computer Vision Framework for Social Distancing for Health Safety. IEEE Internet of Things Journal, 2022, 9, 7261-7272.	8.7	8
31	End-to-End Coexistence Tests in an Interworking UWB-UMTS Platform. , 2007, , .		7
32	Opportunistic Spectrum Access based on underlay UWB signalling. , 2011, , .		7
33	Security Access Protocols in IoT Networks with Heterogenous Non-IP Terminals. , 2014, , .		7
34	The Sub-Band Vectoring Technique for Multi-Operator Environments. IEEE Access, 2016, 4, 3310-3321.	4.2	7
35	Performance of Cooperative and Non-Cooperative Detect And Avoid Procedures for UWB. , 2007, , .		6
36	A Downstream Power Back-Off Procedure for Mixed FTTC and FTTP Scenarios. IEEE Communications Letters, 2014, 18, 965-968.	4.1	6

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37	Log-Normal Approximation for VDSL Performance Evaluation. IEEE Transactions on Communications, 2016, 64, 5266-5277.	7.8	6
38	5G wireless dense access network for automotive applications: Opportunities and costs. , 2017, , .		6
39	Analytical Performance Evaluation of VDSL2. IEEE Communications Letters, 2017, 21, 44-47.	4.1	5
40	Integration of Broadcaster and Telco Access Networks for Real Time/Live Events. IEEE Transactions on Broadcasting, 2020, 66, 667-675.	3.2	5
41	Integrated Wi-Fi and LoRa network on UAVs for localizing people during SAR operations. , 2021, , .		5
42	UWB Interference Mitigation Techniques in a Cooperative Scenario. , 2007, , .		4
43	Applications of Smart Tagged RFID Tapes for Localization Services in Historical and Cultural Heritage Environments. , 2010, , .		4
44	Planning optimization for TDMA-based radio mobile systems with power consumption constraints. , 2012, , .		4
45	Application of Radio Frequency Identification for Museum Environment. , 2013, , .		4
46	FttC-Based Fronthaul for 5G Dense/Ultra-Dense Access Network: Performance and Costs in Realistic Scenarios. Future Internet, 2017, 9, 71.	3.8	4
47	Analysis of Zero-Forcing Vectoring for VDSL2 and Long Reach VDSL Technologies. IEEE Transactions on Communications, 2019, 67, 7811-7823.	7.8	4
48	Capacity Evaluation of UWB Systems in Indoor Environment. , 2006, , .		3
49	Analysis of UWB Interference to Wimax for Detect and Avoid Procedures. , 2007, , .		3
50	End-to-end secure connection in heterogeneous networks for critical scenarios. , 2012, , .		3
51	Power Consumption Analysis and Dimensioning of UMTS-LTE with Relays. Procedia Computer Science, 2014, 40, 74-83.	2.0	3
52	Visitors localization in cultural heritages for experience enhancement. , 2014, , .		3
53	Analytical Framework for Preliminary Planning of Very High-Speed Digital Subscriber Line Access Networks. Information (Switzerland), 2017, 8, 86.	2.9	3
54	Sharing of Copper Pairs for Improving DSL Performance in FTTx Access Networks. IEEE Access, 2019, 7, 6637-6649.	4.2	3

#	ARTICLE	IF	CITATIONS
55	Impact of detect and avoid in UWB regulation process. , 2008, , .		2
56	Security implementation in heterogeneous networks with long delay channel. , 2012, , .		2
57	Enriching videos with automatic place recognition in google maps. Multimedia Tools and Applications, 2022, 81, 23105-23121.	3.9	2
58	Integration of Video and Radio Technologies for Social Distancing. IEEE Communications Magazine, 2021, 59, 30-35.	6.1	2
59	Communication Network Architectures for Driver Assistance Systems. Sensors, 2021, 21, 6867.	3.8	2
60	The major opportunities of Blockchain for Automotive Industry: a Review. , 2021, , .		2
61	Interference evaluation for a cellular system based on OFDMA. , 2006, , .		1
62	Planning of multi-carrier broadband wireless systems with ideal power control over frequency selective channels. , 2008, , .		1
63	Planning and performance evaluation of OFDM/OFDMA multi-carrier cellular systems with femto cells. , 2009, , .		1
64	Wireless Opportunistic Network Based on UWB for Preserving Environment. , 2010, , .		1
65	Proximity emergency wireless networks: the PENforCEC EU Project. , 2014, , .		1
66	Reduction of OFDM out-of-band emissions with a multi-step active interference cancelation technique. , 2014, , .		1
67	Unbundling in optical access networks: Focus on hybrid fiber-VDSL and TWDM-PON. , 2014, , .		1
68	A Worst Case Performance Analysis of Approximated Zero Forcing Vectoring for DSL Systems. Information (Switzerland), 2018, 9, 108.	2.9	1
69	Effective strategies for gradual copper-to-fiber transition in access networks. Computer Networks, 2020, 174, 107225.	5.1	1
70	Communication Transport Protocol Strategies for Rail Applications. Applied Sciences (Switzerland), 2022, 12, 3013.	2.5	1
71	Evaluation of interference due to UWB hot spot on fixed wireless access systems. Wireless Communications and Mobile Computing, 2004, 4, 947-961.	1.2	0
72	Planning issues for Point-to-MultiPoint OFDMA-based networks. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
73	On the interference of ultra wideband devices on fixed wireless systems in a distributed scenario. , 2006, , .		0
74	Rake performance for DS and TH based UWB system in a multipath channel. , 2006, , .		0
75	UWB interference mitigation technique on UMTS terminal in non-cooperative scenario. , 2006, , .		0
76	Coexistence among Ultra-wideband Devices and Fixed Wireless Systems in a Distributed Scenario. , 2006, , .		0
77	Throughput Assessment for DS and TH UWB Systems in Multipath Environment. , 2006, , .		0
78	Energy efficient planning of cellular radio networks. , 2013, , .		0
79	Sensor networks for remote monitoring of public transport vehicles. , 2013, , .		0
80	The future of ultrabroadband communications: A roadmap to NGAN. , 2014, , .		0
81	Sub-band vectoring: a proposal to speed-up fast ultra-broadband coverage in europe while promoting fair infrastructure competition. , 2016, , .		0
82	Data-Rate Performance and Coverage of the Sub-Band Vectoring for VDSL 35b Profile. Fiber and Integrated Optics, 2017, 36, 111-126.	2.5	0
83	End-to-End Delay Model for Train Messaging over Public Land Mobile Networks. Information (Switzerland), 2017, 8, 145.	2.9	0