

# 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	Enriching videos with automatic place recognition in google maps. Multimedia Tools and Applications, 2022, 81, 23105-23121.	3.9	2
2	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
3	Communication Transport Protocol Strategies for Rail Applications. Applied Sciences (Switzerland), 2022, 12, 3013.	2.5	1
4	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
5	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
6	Integration of Video and Radio Technologies for Social Distancing. IEEE Communications Magazine, 2021, 59, 30-35.	6.1	2
7	Communication Network Architectures for Driver Assistance Systems. Sensors, 2021, 21, 6867.	3.8	2
8	Employee Attrition Prediction Using Deep Neural Networks. Computers, 2021, 10, 141.	3.3	12
9	The major opportunities of Blockchain for Automotive Industry: a Review. , 2021, , .		2
10	Integrated Wi-Fi and LoRa network on UAVs for localizing people during SAR operations. , 2021, , .		5
11	Indoor Localization System Based on Bluetooth Low Energy for Museum Applications. Electronics (Switzerland), 2020, 9, 1055.	3.1	39
12	Predicting Employee Attrition Using Machine Learning Techniques. Computers, 2020, 9, 86.	3.3	77
13	Integration of Broadcaster and Telco Access Networks for Real Time/Live Events. IEEE Transactions on Broadcasting, 2020, 66, 667-675.	3.2	5
14	Effective strategies for gradual copper-to-fiber transition in access networks. Computer Networks, 2020, 174, 107225.	5.1	1
15	Satellite-Based Capillary 5G-mMTC Networks for Environmental Applications. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 40-48.	1.3	17
16	Sharing of Copper Pairs for Improving DSL Performance in FTTx Access Networks. IEEE Access, 2019, 7, 6637-6649.	4.2	3
17	Analysis of Zero-Forcing Vectoring for VDSL2 and Long Reach VDSL Technologies. IEEE Transactions on Communications, 2019, 67, 7811-7823.	7.8	4
18	A Worst Case Performance Analysis of Approximated Zero Forcing Vectoring for DSL Systems. Information (Switzerland), 2018, 9, 108.	2.9	1

#	ARTICLE	IF	CITATIONS
19	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
20	5G wireless dense access network for automotive applications: Opportunities and costs. , 2017, , .		6
21	Analytical Performance Evaluation of VDSL2. IEEE Communications Letters, 2017, 21, 44-47.	4.1	5
22	Security Access Protocols in IoT Capillary Networks. IEEE Internet of Things Journal, 2017, 4, 645-657.	8.7	56
23	Integrated Public Mobile Radio Networks/Satellite for Future Railway Communications. IEEE Wireless Communications, 2017, 24, 90-97.	9.0	12
24	Analytical Framework for Preliminary Planning of Very High-Speed Digital Subscriber Line Access Networks. Information (Switzerland), 2017, 8, 86.	2.9	3
25	End-to-End Delay Model for Train Messaging over Public Land Mobile Networks. Information (Switzerland), 2017, 8, 145.	2.9	0
26	FttC-Based Fronthaul for 5G Dense/Ultra-Dense Access Network: Performance and Costs in Realistic Scenarios. Future Internet, 2017, 9, 71.	3.8	4
27	Sub-band vectoring: a proposal to speed-up fast ultra-broadband coverage in europe while promoting fair infrastructure competition. , 2016, , .		0
28	Log-Normal Approximation for VDSL Performance Evaluation. IEEE Transactions on Communications, 2016, 64, 5266-5277.	7.8	6
29	The Sub-Band Vectoring Technique for Multi-Operator Environments. IEEE Access, 2016, 4, 3310-3321.	4.2	7
30	The future of ultrabroadband communications: A roadmap to NGAN. , 2014, , .		0
31	Proximity emergency wireless networks: the PENforCEC EU Project. , 2014, , .		1
32	Power Consumption Analysis and Dimensioning of UMTS-LTE with Relays. Procedia Computer Science, 2014, 40, 74-83.	2.0	3
33	Visitors localization in cultural heritages for experience enhancement. , 2014, , .		3
34	Reduction of OFDM out-of-band emissions with a multi-step active interference cancelation technique. , 2014, , .		1
35	Unbundling in Current Broadband and Next-Generation Ultra-Broadband Access Networks. Fiber and Integrated Optics, 2014, 33, 129-148.	2.5	8
36	Security Access Protocols in IoT Networks with Heterogenous Non-IP Terminals. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
37	Unbundling in optical access networks: Focus on hybrid fiber-VDSL and TWDM-PON. , 2014, , .		1
38	A Downstream Power Back-Off Procedure for Mixed FTTC and FTTP Scenarios. IEEE Communications Letters, 2014, 18, 965-968.	4.1	6
39	Energy efficient planning of cellular radio networks. , 2013, , .		0
40	Consumed power analysis for mobile radio system dimensioning. , 2013, , .		17
41	Sensor networks for remote monitoring of public transport vehicles. , 2013, , .		0
42	Application of Radio Frequency Identification for Museum Environment. , 2013, , .		4
43	Indoor localization system for first responders in emergency scenario. , 2013, , .		21
44	End-to-end secure connection in heterogeneous networks for critical scenarios. , 2012, , .		3
45	Performance evaluation of an opportunistic distributed power control procedure for wireless multiple access. , 2012, , .		15
46	Planning optimization for TDMA-based radio mobile systems with power consumption constraints. , 2012, , .		4
47	Security implementation in heterogeneous networks with long delay channel. , 2012, , .		2
48	WiMAX networks for emergency management based on UAVs. , 2012, , .		32
49	Application of UWB Technology for Underlay Signaling in Cognitive Radio Networks. Recent Patents on Computer Science, 2012, 5, 109-116.	0.5	15
50	Opportunistic Spectrum Access based on underlay UWB signalling. , 2011, , .		7
51	Performance Evaluation of Spectrum Sharing Algorithms in Single and Multi Operator Scenarios. , 2011, , .		9
52	Wireless Opportunistic Network Based on UWB for Preserving Environment. , 2010, , .		1
53	An always available control channel for cooperative sensing in cognitive radio networks. , 2010, , .		12
54	Algorithms for dynamic frequency selection for femto-cells of different operators. , 2010, , .		17

#	ARTICLE	IF	CITATIONS
55	Applications of Smart Tagged RFID Tapes for Localization Services in Historical and Cultural Heritage Environments. , 2010, , .		4
56	Monitoring and vibration risk assessment in cultural heritage via Wireless Sensors Network. , 2009, , .		12
57	Planning and performance evaluation of OFDM/OFDMA multi-carrier cellular systems with femto cells. , 2009, , .		1
58	Dimensioning of OFDM/OFDMA-Based Cellular Networks Using Exponential Effective SINR. IEEE Transactions on Vehicular Technology, 2009, 58, 4204-4213.	6.3	11
59	Exponential effective SINR approximations for OFDM/OFDMA-based cellular system planning. IEEE Transactions on Wireless Communications, 2009, 8, 4434-4439.	9.2	64
60	Interoperability between WiMAX and broadband mobile space networks [topics in radio communications]. , 2008, 46, 50-57.		25
61	WiMAX fractional frequency reuse for rural environments. IEEE Wireless Communications, 2008, 15, 60-65.	9.0	94
62	Fractional Frequency Reuse Planning for WiMAX over Frequency Selective Channels. , 2008, , .		19
63	Impact of detect and avoid in UWB regulation process. , 2008, , .		2
64	Planning of multi-carrier broadband wireless systems with ideal power control over frequency selective channels. , 2008, , .		1
65	Analysis of UWB Interference to Wimax for Detect and Avoid Procedures. , 2007, , .		3
66	UWB Interference Mitigation Techniques in a Cooperative Scenario. , 2007, , .		4
67	Performance of Cooperative and Non-Cooperative Detect And Avoid Procedures for UWB. , 2007, , .		6
68	End-to-End Coexistence Tests in an Interworking UWB-UMTS Platform. , 2007, , .		7
69	Interference evaluation for a cellular system based on OFDMA. , 2006, , .		1
70	Performance Evaluation of Detect and Avoid Procedures for Improving UWB Coexistence with UMTS and WiMAX systems. , 2006, , .		24
71	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
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	Capacity Evaluation of UWB Systems in Indoor Environment. , 2006, , .		3
79	Reuse Distance for an Ofdma-Based Cellular System. , 2006, , .		18
80	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
81	Coexistence of an ultrawideband spread spectrum system with fixed wireless access systems. Computer Networks, 2004, 44, 583-598.	5.1	8
82	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
83	Smart cell sectorization for third generation CDMA systems. Wireless Communications and Mobile Computing, 2002, 2, 253-267.	1.2	10