

Gian Luigi Gragnani

List of Publications by Year in descending order

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28
papers

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1684188

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28
docs citations

28
times ranked

145
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Real-Time Monitoring of Rainfall Using Commercial Satellite Broadcasting Service: A Case Study. <i>Sensors</i> , 2021, 21, 691.	3.8	5
2	Analysis of a Nonlinear Technique for Microwave Imaging of Targets Inside Conducting Cylinders. <i>Electronics (Switzerland)</i> , 2021, 10, 594.	3.1	4
3	Electromagnetic Scattering and Its Applications: From Low Frequencies to Photonics. <i>Electronics (Switzerland)</i> , 2021, 10, 2352.	3.1	1
4	Design of printed log-periodic antennas for long range communication modules: preliminary simulation results. , 2019, , .		1
5	Design of Printed log-Periodic Antennas for Long Range Communication within a Wireless Sensor Network for Sea Water Quality Monitoring. <i>Automatic Control and Computer Sciences</i> , 2019, 53, 364-375.	0.8	3
6	Mapping the Dielectric Properties of Unknown Targets by Using a Network of Microwave Sensors: A Proof-of-Concept. <i>Sensors</i> , 2019, 19, 1270.	3.8	0
7	Open-Source Software for Electromagnetic Scattering Simulation: The Case of Antenna Design. <i>Electronics (Switzerland)</i> , 2019, 8, 1506.	3.1	12
8	Numerical Experiments with Open Source Programs for Antenna Design. , 2019, , .		1
9	Some thoughts on the design of printed log-periodic antennas for long range communication modules. , 2019, , .		0
10	Free and Open Source Software Codes for Antenna Design: Preliminary Numerical Experiments. <i>Electrical, Control and Communication Engineering</i> , 2019, 15, 88-95.	0.8	2
11	A Log-Periodic Antenna for Long Range Communication Within a Wireless Sensor Network System for Sea Water Quality Monitoring. , 2018, , .		5
12	Microwave Sensor Network for Quantitative Characterization of Targets: A Proof-of-Concept. , 2018, , .		1
13	Algorithm for an indoor automatic vehicular system based on active RFIDs. <i>ICT Express</i> , 2017, 3, 188-192.	4.8	2
14	Active-RFID system operating in heavy environmental conditions to aid the production cycle of bentonite-coal dust mixtures for foundries. , 2016, , .		1
15	Noise Limitations on the Recovery of Average Values of Velocity Profiles in Pipelines by Simple Imaging Systems. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 1340-1344.	3.1	7
16	Further investigations on the capabilities of inverse scattering procedures to recover velocity profiles of cylinders moving in the axial direction. , 2016, , .		0
17	Results on the reconstruction of scattering objects using a semi-analytical formulation of the equivalent electromagnetic source when limited aperture data are available. , 2014, , .		0
18	Closed-form method for the reconstruction of 2-D objects: Preliminary experimental results. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2013, 23, 482-487.	1.2	2

#	ARTICLE	IF	CITATIONS
19	Location and Shape Reconstruction of 2D Dielectric Objects by Means of a Closed-Form Method: Preliminary Experimental Results. International Journal of Microwave Science and Technology, 2012, 2012, 1-10.	0.6	2
20	Reconstruction of the scattering support of dielectric objects from near field data. Microwave and Optical Technology Letters, 2012, 54, 2314-2321.	1.4	0
21	Shape reconstruction of 2-D dielectric objects by an analytical method. International Journal of Signal and Imaging Systems Engineering, 2010, 3, 81.	0.6	7
22	Vivaldi Antennas for Microwave Imaging: Theoretical Analysis and Design Considerations. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1885-1891.	4.7	62
23	Inverse-scattering method for dielectric objects based on the reconstruction of the nonmeasurable equivalent current density. Radio Science, 1999, 34, 1-8.	1.6	42
24	Numerical Approaches for Microwave Bioelectromagnetic Applications. , 1999, , 295-298.		0
25	An approach to focused 2D TM near-field active microwave imaging of dielectric objects. Microwave and Optical Technology Letters, 1995, 8, 302-306.	1.4	0
26	Numerical approach based on the moment method for prediction of electromagnetic energy deposition in living tissues. Bioelectrochemistry, 1994, 35, 103-108.	1.0	1
27	A technique to improve the accuracy of numerical inverse-scattering solutions for dielectrics. Microwave and Optical Technology Letters, 1993, 6, 208-211.	1.4	1
28	A numerical approach to electromagnetic dosimetry for the human body. European Transactions on Telecommunications, 1990, 1, 497-503.	1.2	2