

Gian Luigi Gragnani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2395807/publications.pdf>

Version: 2024-02-01

28
papers

164
citations

1684188

5
h-index

1125743

13
g-index

28
all docs

28
docs citations

28
times ranked

145
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Vivaldi Antennas for Microwave Imaging: Theoretical Analysis and Design Considerations. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1885-1891. | 4.7 | 62 |
| 2 | 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 |
| 3 | Open-Source Software for Electromagnetic Scattering Simulation: The Case of Antenna Design. Electronics (Switzerland), 2019, 8, 1506. | 3.1 | 12 |
| 4 | 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 |
| 5 | Noise Limitations on the Recovery of Average Values of Velocity Profiles in Pipelines by Simple Imaging Systems. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1340-1344. | 3.1 | 7 |
| 6 | A Log-Periodic Antenna for Long Range Communication Within a Wireless Sensor Network System for Sea Water Quality Monitoring. , 2018, , . | | 5 |
| 7 | Advanced Real-Time Monitoring of Rainfall Using Commercial Satellite Broadcasting Service: A Case Study. Sensors, 2021, 21, 691. | 3.8 | 5 |
| 8 | Analysis of a Nonlinear Technique for Microwave Imaging of Targets Inside Conducting Cylinders. Electronics (Switzerland), 2021, 10, 594. | 3.1 | 4 |
| 9 | Design of Printed log-Periodic Antennas for Long Range Communication within a Wireless Sensor Network for Sea Water Quality Monitoring. Automatic Control and Computer Sciences, 2019, 53, 364-375. | 0.8 | 3 |
| 10 | A numerical approach to electromagnetic dosimetry for the human body. European Transactions on Telecommunications, 1990, 1, 497-503. | 1.2 | 2 |
| 11 | 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 |
| 12 | Closed-form method for the reconstruction of 2-D objects: Preliminary experimental results. International Journal of RF and Microwave Computer-Aided Engineering, 2013, 23, 482-487. | 1.2 | 2 |
| 13 | Algorithm for an indoor automatic vehicular system based on active RFIDs. ICT Express, 2017, 3, 188-192. | 4.8 | 2 |
| 14 | Free and Open Source Software Codes for Antenna Design: Preliminary Numerical Experiments. Electrical, Control and Communication Engineering, 2019, 15, 88-95. | 0.8 | 2 |
| 15 | 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 |
| 16 | Numerical approach based on the moment method for prediction of electromagnetic energy deposition in living tissues. Bioelectrochemistry, 1994, 35, 103-108. | 1.0 | 1 |
| 17 | Active-RFID system operating in heavy environmental conditions to aid the production cycle of bentonite-coal dust mixtures for foundries. , 2016, , . | | 1 |
| 18 | Microwave Sensor Network for Quantitative Characterization of Targets: A Proof-of-Concept. , 2018, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Design of printed log-periodic antennas for long range communication modules: preliminary simulation results. , 2019, , . | | 1 |
| 20 | Numerical Experiments with Open Source Programs for Antenna Design. , 2019, , . | | 1 |
| 21 | Electromagnetic Scattering and Its Applications: From Low Frequencies to Photonics. Electronics (Switzerland), 2021, 10, 2352. | 3.1 | 1 |
| 22 | 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 |
| 23 | Reconstruction of the scattering support of dielectric objects from near field data. Microwave and Optical Technology Letters, 2012, 54, 2314-2321. | 1.4 | 0 |
| 24 | 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 |
| 25 | Further investigations on the capabilities of inverse scattering procedures to recover velocity profiles of cylinders moving in the axial direction. , 2016, , . | | 0 |
| 26 | Mapping the Dielectric Properties of Unknown Targets by Using a Network of Microwave Sensors: A Proof-of-Concept. Sensors, 2019, 19, 1270. | 3.8 | 0 |
| 27 | Some thoughts on the design of printed log-periodic antennas for long range communication modules. , 2019, , . | | 0 |
| 28 | Numerical Approaches for Microwave Bioelectromagnetic Applications. , 1999, , 295-298. | | 0 |