

Patrizia Savi

List of Publications by Year in descending order

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57
papers

1,179
citations

394421

19
h-index

395702

33
g-index

59
all docs

59
docs citations

59
times ranked

1173
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of multiple-ring-resonator filters for optical systems. IEEE Photonics Technology Letters, 1995, 7, 1447-1449.	2.5	128
2	Improvement in electromagnetic interference shielding effectiveness of cement composites using carbonaceous nano/micro inerts. Construction and Building Materials, 2015, 85, 208-216.	7.2	109
3	Small-scale fading for high-altitude platform (HAP) propagation channels. IEEE Journal on Selected Areas in Communications, 2002, 20, 641-647.	14.0	85
4	Low-Cost Carbon Fillers to Improve Mechanical Properties and Conductivity of Epoxy Composites. Polymers, 2017, 9, 642.	4.5	74
5	A Planar Antenna With Voltage-Controlled Frequency Tuning Based on Few-Layer Graphene. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2380-2383.	4.0	69
6	GNSS-R Soil Moisture Retrieval Based on a XGboost Machine Learning Aided Method: Performance and Validation. Remote Sensing, 2019, 11, 1655.	4.0	67
7	Analysis of biochar with different pyrolysis temperatures used as filler in epoxy resin composites. Biomass and Bioenergy, 2019, 122, 466-471.	5.7	65
8	ANALYSIS OF MICROWAVE ABSORBING PROPERTIES OF EPOXY MWCNT COMPOSITES. Progress in Electromagnetics Research Letters, 2014, 44, 63-69.	0.7	57
9	Estimation of Surface Characteristics Using GNSS LH-Reflected Signals: Land Versus Water. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4752-4758.	4.9	36
10	Thin layer design of X-cut LiNbO3 modulators. IEEE Photonics Technology Letters, 2000, 12, 1618-1620.	2.5	33
11	Multi-Walled Carbon Nanotubes Composites for Microwave Absorbing Applications. Applied Sciences (Switzerland), 2019, 9, 851.	2.5	33
12	Scattering matrix approach for the design of microwave filters. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 423-430.	4.6	30
13	Modeling and Theoretical Analysis of GNSS-R Soil Moisture Retrieval Based on the Random Forest and Support Vector Machine Learning Approach. Remote Sensing, 2020, 12, 3679.	4.0	29
14	Temporal-Spatial Soil Moisture Estimation from CYGNSS Using Machine Learning Regression With a Preclassification Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4879-4893.	4.9	28
15	Sustainable Electronics Based on Crop Plant Extracts and Graphene: A "Bioadvantaged" Approach. Advanced Sustainable Systems, 2018, 2, 1800069.	5.3	27
16	Evaluation of the Modeling of an EM Illumination on an Aircraft Cable Harness. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 844-853.	2.2	25
17	Electrical and Microwave Characterization of Thermal Annealed Sewage Sludge Derived Biochar Composites. Applied Sciences (Switzerland), 2020, 10, 1334.	2.5	24
18	A new approach to the design of dual-mode rectangular waveguide filters with distributed coupling. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 221-228.	4.6	22

#	ARTICLE	IF	CITATIONS
19	Analysis of MWCNT/epoxy composites at microwave frequency: reproducibility investigation. <i>Nanoscale Research Letters</i> , 2014, 9, 168.	5.7	20
20	Sensing soil moisture and vegetation using GNSS-R polarimetric measurement. <i>Advances in Space Research</i> , 2017, 59, 858-869.	2.6	19
21	A fully software Global Navigation Satellite System reflectometry (GNSS-R) receiver for soil monitoring. <i>International Journal of Remote Sensing</i> , 2014, 35, 2378-2391.	2.9	18
22	Propagation measurements for a LoRa network in an urban environment. <i>Journal of Electromagnetic Waves and Applications</i> , 2019, 33, 2022-2036.	1.6	17
23	Investigation of epoxy resin/multiwalled carbon nanotube nanocomposite behavior at low frequency. <i>Journal of Materials Research</i> , 2015, 30, 101-107.	2.6	14
24	The Effect of Finite Conductivity on Frequency Selective Surface Behavior. <i>Electromagnetics</i> , 1990, 10, 213-227.	0.7	13
25	Multi-Walled Carbon Nanotube thin film loading for tuning microstrip patch antennas. , 2016, , .		13
26	Full-wave high-order FEM model for lossy anisotropic waveguides. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002, 50, 495-500.	4.6	12
27	Shielding Properties of Cement Composites Filled with Commercial Biochar. <i>Electronics (Switzerland)</i> , 2020, 9, 819.	3.1	10
28	Dynamically Tunable Phase Shifter with Commercial Graphene Nanoplatelets. <i>Micromachines</i> , 2020, 11, 600.	2.9	10
29	Characterization of Complex Aeronautic Harnessâ€™ Numerical and Experimental Validations. <i>Electromagnetics</i> , 2013, 33, 341-352.	0.7	7
30	Detection of buried objects using reflected GNSS signals. <i>Eurasip Journal on Advances in Signal Processing</i> , 2014, 2014, .	1.7	7
31	Microwave characterization of graphene films for sensor applications. , 2017, , .		7
32	The Role of Probe Attenuation in the Time-Domain Reflectometry Characterization of Dielectrics. <i>Electromagnetics</i> , 2010, 30, 554-564.	0.7	6
33	Passive nanotechnology based sensors for the remote detection of environmental pollutants impacting public health. , 2017, , .		6
34	Multiple Frequency-Selective Surfaces Consisting of Ring Patches. <i>Electromagnetics</i> , 1995, 15, 417-426.	0.7	5
35	Analysis of shielding effectiveness of cement composites filled with pyrolyzed biochar. , 2019, , .		5
36	Waveguide measurements of biochar derived from sewage sludge. <i>Electronics Letters</i> , 2020, 56, 335-337.	1.0	5

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37	THE EFFECT OF CARBON NANOTUBES CONCENTRATION ON COMPLEX PERMITTIVITY OF NANOCOMPOSITES. Progress in Electromagnetics Research M, 2017, 55, 203-209.	0.9	4
38	Morphological and Radio Frequency Characterization of Graphene Composite Films. Journal of Carbon Research, 2018, 4, 32.	2.7	4
39	Graphene and MWCNT Printed Films: Preparation and RF Electrical Properties Study. Journal of Nanomaterials, 2019, 2019, 1-9.	2.7	4
40	A free-space double-grid diplexer for a millimeter-wave radiometer. Microwave and Optical Technology Letters, 1993, 6, 121-124.	1.4	3
41	Polarimetric GNSS-R measurements for soil moisture and vegetation sensing. , 2016, , .		3
42	Design of a graphene-loaded slotted ring resonator for sensor applications. , 2017, , .		3
43	EQUIVALENT CIRCUIT MICROWAVE MODELING OF GRAPHENE-LOADED THICK FILMS USING S-PARAMETERS. Progress in Electromagnetics Research Letters, 2018, 76, 33-38.	0.7	3
44	Morphological Characterization and Lumped Element Model of Graphene and Biochar Thick Films. Journal of Carbon Research, 2021, 7, 36.	2.7	3
45	Biochar-containing construction materials for electromagnetic shielding in the microwave frequency region: the importance of water content. Clean Technologies and Environmental Policy, 2023, 25, 1099-1108.	4.1	3
46	Cygnss Soil Moisture Estimation Using Machine Learning Regression. , 2021, , .		3
47	Soil moisture retrieval from GNSS-R signals. , 2015, , .		2
48	Feasibility Study of LoRa Ad-Hoc Network in an Urban Noisy Environment. , 2018, , .		2
49	An Effective Land Type Labeling Approach for Independently Exploiting High-Resolution Soil Moisture Products Based on CYGNSS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4234-4247.	4.9	2
50	DETERMINING REAL PERMITTIVITY FROM FRESNEL COEFFICIENTS IN GNSS-R. Progress in Electromagnetics Research M, 2019, 79, 159-166.	0.9	1
51	Drywall coated with biochar as electromagnetic interference shielding material. , 2021, , .		1
52	The Sensitivity Analysis on GNSS-R Soil Moisture Retrieval. , 2021, , .		1
53	Design of a 45° incidence millimeter wave diplexer. Annales Des Telecommunications/Annals of Telecommunications, 1992, 47, 539-540.	2.5	0
54	Estimation of the permittivity of dielectrics from the scattering responses of TEM waveguides. , 2009, , .		0

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55	Microstrip Tunable Antenna Based on Commercial Graphene Nanoplatelets. , 2020, , .		0
56	Tunable Attenuator based on commercial graphene nanoplatelets. , 2020, , .		0
57	Evaluating the soil moisture retrievals for agricultural drought monitoring over Brazil. , 2022, , .		0