

Patrizia Savi

List of Publications by Year in descending order

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57
papers

1,179
citations

394421

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395702

33
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59
all docs

59
docs citations

59
times ranked

1173
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar-containing construction materials for electromagnetic shielding in the microwave frequency region: the importance of water content. <i>Clean Technologies and Environmental Policy</i> , 2023, 25, 1099-1108.	4.1	3
2	An Effective Land Type Labeling Approach for Independently Exploiting High-Resolution Soil Moisture Products Based on CYGNSS Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 4234-4247.	4.9	2
3	Evaluating the soil moisture retrievals for agricultural drought monitoring over Brazil. , 2022, , .		0
4	Morphological Characterization and Lumped Element Model of Graphene and Biochar Thick Films. <i>Journal of Carbon Research</i> , 2021, 7, 36.	2.7	3
5	Drywall coated with biochar as electromagnetic interference shielding material. , 2021, , .		1
6	Temporal-Spatial Soil Moisture Estimation from CYGNSS Using Machine Learning Regression With a Preclassification Approach. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 4879-4893.	4.9	28
7	Cygnss Soil Moisture Estimation Using Machine Learning Regression. , 2021, , .		3
8	The Sensitivity Analysis on GNSS-R Soil Moisture Retrieval. , 2021, , .		1
9	Modeling and Theoretical Analysis of GNSS-R Soil Moisture Retrieval Based on the Random Forest and Support Vector Machine Learning Approach. <i>Remote Sensing</i> , 2020, 12, 3679.	4.0	29
10	Microstrip Tunable Antenna Based on Commercial Graphene Nanoplatelets. , 2020, , .		0
11	Tunable Attenuator based on commercial graphene nanoplatelets. , 2020, , .		0
12	Shielding Properties of Cement Composites Filled with Commercial Biochar. <i>Electronics (Switzerland)</i> , 2020, 9, 819.	3.1	10
13	Electrical and Microwave Characterization of Thermal Annealed Sewage Sludge Derived Biochar Composites. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1334.	2.5	24
14	Dynamically Tunable Phase Shifter with Commercial Graphene Nanoplatelets. <i>Micromachines</i> , 2020, 11, 600.	2.9	10
15	Waveguide measurements of biochar derived from sewage sludge. <i>Electronics Letters</i> , 2020, 56, 335-337.	1.0	5
16	GNSS-R Soil Moisture Retrieval Based on a XGboost Machine Learning Aided Method: Performance and Validation. <i>Remote Sensing</i> , 2019, 11, 1655.	4.0	67
17	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
18	Analysis of biochar with different pyrolysis temperatures used as filler in epoxy resin composites. <i>Biomass and Bioenergy</i> , 2019, 122, 466-471.	5.7	65

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19	Multi-Walled Carbon Nanotubes Composites for Microwave Absorbing Applications. Applied Sciences (Switzerland), 2019, 9, 851.	2.5	33
20	Graphene and MWCNT Printed Films: Preparation and RF Electrical Properties Study. Journal of Nanomaterials, 2019, 2019, 1-9.	2.7	4
21	DETERMINING REAL PERMITTIVITY FROM FRESNEL COEFFICIENTS IN GNSS-R. Progress in Electromagnetics Research M, 2019, 79, 159-166.	0.9	1
22	Analysis of shielding effectiveness of cement composites filled with pyrolyzed biochar. , 2019, , .		5
23	Feasibility Study of LoRa Ad-Hoc Network in an Urban Noisy Environment. , 2018, , .		2
24	EQUIVALENT CIRCUIT MICROWAVE MODELING OF GRAPHENE-LOADED THICK FILMS USING S-PARAMETERS. Progress in Electromagnetics Research Letters, 2018, 76, 33-38.	0.7	3
25	Morphological and Radio Frequency Characterization of Graphene Composite Films. Journal of Carbon Research, 2018, 4, 32.	2.7	4
26	Sustainable Electronics Based on Crop Plant Extracts and Graphene: A "Bioadvantaged" Approach. Advanced Sustainable Systems, 2018, 2, 1800069.	5.3	27
27	Sensing soil moisture and vegetation using GNSS-R polarimetric measurement. Advances in Space Research, 2017, 59, 858-869.	2.6	19
28	Design of a graphene-loaded slotted ring resonator for sensor applications. , 2017, , .		3
29	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
30	Microwave characterization of graphene films for sensor applications. , 2017, , .		7
31	Passive nanotechnology based sensors for the remote detection of environmental pollutants impacting public health. , 2017, , .		6
32	THE EFFECT OF CARBON NANOTUBES CONCENTRATION ON COMPLEX PERMITTIVITY OF NANOCOMPOSITES. Progress in Electromagnetics Research M, 2017, 55, 203-209.	0.9	4
33	Low-Cost Carbon Fillers to Improve Mechanical Properties and Conductivity of Epoxy Composites. Polymers, 2017, 9, 642.	4.5	74
34	Polarimetric GNSS-R measurements for soil moisture and vegetation sensing. , 2016, , .		3
35	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
36	Multi-Walled Carbon Nanotube thin film loading for tuning microstrip patch antennas. , 2016, , .		13

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37	Soil moisture retrieval from GNSS-R signals. , 2015, , .		2
38	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
39	Investigation of epoxy resin/multiwalled carbon nanotube nanocomposite behavior at low frequency. Journal of Materials Research, 2015, 30, 101-107.	2.6	14
40	ANALYSIS OF MICROWAVE ABSORBING PROPERTIES OF EPOXY MWCNT COMPOSITES. Progress in Electromagnetics Research Letters, 2014, 44, 63-69.	0.7	57
41	Detection of buried objects using reflected GNSS signals. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	7
42	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
43	Analysis of MWCNT/epoxy composites at microwave frequency: reproducibility investigation. Nanoscale Research Letters, 2014, 9, 168.	5.7	20
44	A fully software Global Navigation Satellite System reflectometry (GNSS-R) receiver for soil monitoring. International Journal of Remote Sensing, 2014, 35, 2378-2391.	2.9	18
45	Characterization of Complex Aeronautic Harnessâ€™ Numerical and Experimental Validations. Electromagnetics, 2013, 33, 341-352.	0.7	7
46	The Role of Probe Attenuation in the Time-Domain Reflectometry Characterization of Dielectrics. Electromagnetics, 2010, 30, 554-564.	0.7	6
47	Estimation of the permittivity of dielectrics from the scattering responses of TEM waveguides. , 2009, , .		0
48	Small-scale fading for high-altitude platform (HAP) propagation channels. IEEE Journal on Selected Areas in Communications, 2002, 20, 641-647.	14.0	85
49	Full-wave high-order FEM model for lossy anisotropic waveguides. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 495-500.	4.6	12
50	Scattering matrix approach for the design of microwave filters. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 423-430.	4.6	30
51	Thin layer design of X-cut LiNbO3 modulators. IEEE Photonics Technology Letters, 2000, 12, 1618-1620.	2.5	33
52	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
53	Multiple Frequency-Selective Surfaces Consisting of Ring Patches. Electromagnetics, 1995, 15, 417-426.	0.7	5
54	Synthesis of multiple-ring-resonator filters for optical systems. IEEE Photonics Technology Letters, 1995, 7, 1447-1449.	2.5	128

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55	A free-space double-grid diplexer for a millimeter-wave radiometer. Microwave and Optical Technology Letters, 1993, 6, 121-124.	1.4	3
56	Design of a 45° incidence millimeter wave diplexer. Annales Des Telecommunications/Annals of Telecommunications, 1992, 47, 539-540.	2.5	0
57	The Effect of Finite Conductivity on Frequency Selective Surface Behavior. Electromagnetics, 1990, 10, 213-227.	0.7	13