Aldo I De Sabata

List of Publications by Year
in descending order

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88 papers	216 citations	1651377 6 h-index	1637695 9 g-index
90 all docs	90 docs citations	90 times ranked	95 citing authors

#	Article	IF	Citations
1	Printed Periodic Structures inÂSupport toÂ5G Network Antennas. PoliTO Springer Series, 2022, , 73-108.	0.3	1
2	Frequency Selective Surface for Ultra-Wide Band Filtering and Shielding. Sensors, 2022, 22, 1896.	2.1	13
3	Multiband Tunable FSS structure with using feeding network microstrip lines based on Microwave Circuit. , 2022, , .		0
4	Single-Layered Frequency Selective Surface for Polarization Processing by Transmission Through Elementary Simple Structure Unit Cell Array. IEEE Access, 2021, 9, 30615-30625.	2.6	3
5	Symmetry-breaking manipulation in the design of multifunctional tunable frequency selective surface. AEU - International Journal of Electronics and Communications, 2021, 142, 154003.	1.7	5
6	Multiple-Notch Frequency Selective Surface for Automotive Applications. , 2020, , .		3
7	Markov Model for HF Joint Spectrum Occupancy at Two Distant Locations. International Conference KNOWLEDGE-BASED ORGANIZATION, 2020, 26, 33-38.	0.1	0
8	Multi Wide-Band Frequency Selective Surface for Automotive Applications. , 2020, , .		0
9	Analysis of Shielding Effectiveness of an Automotive Display through Simulation and Testing. , 2020, , .		3
10	EMC Characteristics of Helical Antennas used in Automotive Testing. , 2020, , .		0
11	Interlaboratory Comparison of Radiated Immunity in Automotive EMC. , 2019, , .		5
12	Markov Model for HF Spectrum Occupancy. , 2019, , .		5
13	Application of a Probabilistic Model to High Frequency Spectrum Occupancy. , 2019, , .		2
14	Fractal Based Frequency Selective Surface with Broadband Characteristics. , 2019, , .		1
15	Investigations on Repeatibility of Radiated Emissions Testing for Frequencies below 30 MHz. , 2019, , .		0
16	Frequency Selective Surface With Two Quasi-Independent Notch Frequencies. IEEE Access, 2019, 7, 77261-77267.	2.6	7
17	Interlaboratory Comparison of Conducted Emissions in Automotive EMC. , 2019, , .		3
18	Aspects Regarding Radiated Emissions Produced by a Head Up Display. , 2019, , .		1

#	Article	IF	Citations
19	Parametric Analysis of a Dual Band Polarized Frequency Selective Surface. , 2019, , .		1
20	Application of a Near Field Method to Reducing Conducted Emissions. , 2019, , .		1
21	CONCEPTION OF A MASTER DEGREE PROGRAM IN SOLAR ENERGY: INFRASTRUCTURE, STRUCTURE AND RESULTS. Environmental Engineering and Management Journal, 2019, 18, 291-300.	0.2	0
22	HF Noise Measurement in the Western Part of Romania. International Conference KNOWLEDGE-BASED ORGANIZATION, 2019, 25, 7-12.	0.1	2
23	Far Field Versus Near Field Measurement in Automotive Environment. , 2018, , .		1
24	Stripline Measurements in Automotive EMC: A Case Study. , 2018, , .		0
25	Absorber Lined Shielded Enclosure Chamber Validation. , 2018, , .		1
26	Frequency Selective Surface with two Notch Frequencies and Good Incidence Angle Stability for Screening Applications. , 2018, , .		4
27	Interlaboratory Comparison of Radiated Emissions in Automotive EMC. , 2018, , .		7
28	Directional Measurement of HF Spectrum Occupancy. , 2018, , .		0
29	Applications of a Frequency Selective Surface Based on a Combination of a Jerusalem Cross and a Circular Ring. , 2018, , .		1
30	Near-field scan technique for reducing radiated emissions in automotive EMC. , 2018, , .		8
31	Applications of a Frequency Selective Surface Based on a Combination of a Jerusalem Cross and a Circular Ring. , 2018, , .		2
32	Joint Spectrum Availability measurement in the 4.5â€“10.5 MHz HF band. , 2017, , .		1
33	The influence of measurement setups in radiated emissions testing. , 2017, , .		7
34	Band pattern of commensurate modulated periodic structures. IET Microwaves, Antennas and Propagation, 2017, 11, 1303-1307.	0.7	2
35	USRP based HF spectrum occupancy measurements at two locations in central and Western Romania. , 2017, , .		7
36	Structure of signal received by passive ionospheric sounding in the HF band at the location of Timisoara, Romania. , 2016, , .		5

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37	Testing immunity to portable transmitters with helical antennas: Key concepts. , 2016, , .		8
38	Measurement of radiated emissions from an automotive cluster. , 2016, , .		2
39	Measurement of radiated immunity in the automotive industry: Key concepts. , 2016, , .		5
40	Complete denture base assessments using holograms: dimensional alterations after different activation methods. , 2016, , .		0
41	Effect of geometry modulation on the full dispersion diagram of a 2D periodic structure built in stripline technology. , 2016, , .		1
42	Anizotropic dielectric devised by metamaterials-related technique. , 2016, , .		1
43	A simple and robust technique to retrieve effective refractive index of heterogeneous dielectrics for millimeter-wave applications. , 2015, , .		2
44	2D periodic structure featuring negative group velocity of bloch waves. , 2015, , .		2
45	Solar thermal systems developed in the western part of Romania: An LCoE analysis. , 2015, , .		0
46	On the EBGs of shielded 2D periodic structures with metal inclusions in the dielectric layer. , 2015, , .		0
47	Enrichment of EBG contents of periodic structures by geometry modulation. , 2015, , .		0
48	Metamaterial based screening box working from DC up to the GHz range. , 2015, , .		0
49	Band splitting in 2D EBG structure by geometry modulation. , 2015, , .		1
50	Economic assessment of some solar installations developed at the Politehnica University of Timisoara, Romania. , 2014, , .		1
51	Application of a 2D electromagnetic band-gap structure with metal inclusions to signal integrity issues. , 2014, , .		2
52	EBG modification in a parallel plate 2D periodic structure by metal inclusions. , 2014, , .		2
53	Economics of a small-scale, grid-connected PV system in Western Romania: An LCoE analysis. , 2014, , .		4
54	Effect of cylindrical metal obstacles on the propagation of bloch waves in a shielded circular “mushroom” structures. , 2014, , .		2

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55	On the reliability of the holographic method for measurement of soft tissue modifications during periodontal therapy. Proceedings of SPIE, 2014, , .	0.8	0
56	Feasibility of a solar swimming pool in the western part of Romania. , 2013, , .		1
57	Patterned surface with added corrugations in view of displacing EBGs to lower frequencies. , 2013, , .		1
58	Passive intermodulation distortions induced by ferromagnetic materials at GSM frequencies. , 2013, , .		4
59	Investigation on the scaling properties of a novel electromagnetic band-gap structure for application to parallel-plate noise suppression. , 2012, , .		1
60	Some design parameters for high Q filters built in metamaterial technology. , 2012, , .		0
61	Reduced complexity biasing solution for switched parallel plate waveguide with embedded active metamaterial layer. Journal of Electromagnetic Waves and Applications, 2012, 26, 1828-1836.	1.0	9
62	Application of a planar EBG structure to parallel-plate noise suppression in high speed circuits. , 2012, , .		0
63	Unit-Cell Geometry in Stripline Technology Featuring Sequential Band-Gaps Between Every Two Consecutive Modes. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 97-100.	2.4	9
64	Educational PV system at the “Politehnica” University of Timişoara. , 2012, , .		2
65	Highly selective multiband metamaterial band-pass filter. , 2012, , .		1
66	Parametric assessment of properties of a periodically patterned surface with non-uniform rectangular spiral metallization in the unit cell. , 2012, , .		0
67	Electromagnetic bandgap solution for mitigation of parallelâ€plate noise in power distribution networks. Microwave and Optical Technology Letters, 2012, 54, 1689-1692.	0.9	9
68	Multi-Band Filter Built with a Periodically Patterned Stripline. Annals of DAAAM & Proceedings, 2012, , 0341-0344.	0.1	0
69	Novel multiband wideband filter relying on metamaterial technology. , 2011, , .		1
70	Effects of a Coplanar Waveguide Biasing Network Built Into the Ground Plane on the Dispersion Characteristics of a Tunable Unit Cell With an Elliptical Patch and Multiple Vias. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1088-1091.	2.4	11
71	Global Solar Irradiation Modeling and Measurements in Timisoara. , 2011, , .		4
72	Electronically switched multiband high-impedance surface with circular and annular patches. , 2011, , .		0

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73	Photonic band-gap surface with electronically reconfigurable geometry. , 2011, , .		0
74	Characteristics of a switchable metamaterial based parallel plate waveguide derived by electromagnetic simulation. , 2011, , .		0
75	Variation of characteristics of a microwave photonic band gap structure versus the dielectric constant in inhomogenoeus parallel plate waveguide. , 2011, , .		0
76	Solar energy based industrial applications at the "Politehnica" University of Timisoara. Thermal Science, 2011, 15, 587-598.	0.5	2
77	Metamaterial Based Microwave Band-Pass Filter. Annals of DAAAM & Proceedings, 2011, , 1267-1268.	0.1	1
78	Analysis of the Gap Bandwidth of some High Impedance Surfaces in the Microwave Range. Materials Science Forum, 2010, 670, 497-503.	0.3	1
79	Numerical exploration of filtering properties of some switched high impedance surfaces. , 2010, , .		0
80	Design-charts for grounded, elliptically shaped microstrip periodic surface featuring electromagnetic band-gap. , 2010, , .		5
81	Research in solar energy at the 'Politehnica' university of Timisoara: Studies on solar radiation and solar collectors. Thermal Science, 2010, 14, 157-169.	0.5	5
82	Thermally autonomous residence in the Western part of Romania. , 2009, , .		2
83	Analysis of an algorithm for real tone frequency estimation. , 2009, , .		0
84	Application of bandpass filtering in real tone frequency estimation. , 2009, , .		0
85	Frequency shifts for accelerated sources and observers: an illustration of non-locality in frequency measurement. European Journal of Physics, 1998, 19, 569-574.	0.3	5
86	An uncommon way to special relativity. European Journal of Physics, 1997, 18, 263-266.	0.3	1
87	Extension of a finite version of the sampling theorem. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1994, 41, 821-823.	2.3	3
88	Metamaterial Based High Impedance Surface with Band-Pass Frequency Response. Materials Science Forum, 0, 721, 59-64.	0.3	1