

Razvan D Tamas

List of Publications by Year in descending order

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79
papers

152
citations

1478505

6
h-index

1588992

8
g-index

79
all docs

79
docs citations

79
times ranked

51
citing authors

#	ARTICLE	IF	CITATIONS
1	A method for antenna gain measurements in nonanechoic sites. Microwave and Optical Technology Letters, 2014, 56, 1553-1557.	1.4	22
2	Electrical arc surveillance and localization system based on advanced signal processing techniques. , 2014, , .		12
3	Antenna gain evaluation based on weighting near-field measurements. , 2017, , .		11
4	Method for material characterization in a non-anechoic environment. Applied Physics Letters, 2016, 108, .	3.3	10
5	Time-domain pulse-matched synthesis of ultra-wide band antennas. , 2011, , .		7
6	A Technique for Radar Cross Section Measurements in the Fresnel Region. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1149-1153.	4.0	7
7	Study regarding the spline interpolation accuracy of the experimentally acquired data. , 2016, , .		7
8	Cylindrical dipoles as ultra-wide band antennas: An energy-based analysis. Microwave and Optical Technology Letters, 2008, 50, 917-921.	1.4	6
9	A time-domain measuring technique for ultra-wide band antennas. Microwave and Optical Technology Letters, 2011, 53, 281-286.	1.4	6
10	Evaluation and Impact Reduction of Common Mode Currents on Antenna Feeders in Radiation Measurements. Sensors, 2020, 20, 3893.	3.8	6
11	An UWB Physical Optics Approach for Fresnel-Zone RCS Measurements on a Complex Target at Non-Normal Incidence. Sensors, 2019, 19, 5454.	3.8	5
12	An indoor measuring technique for antenna gain. , 2013, , .		4
13	Near-field gain measurements: Single-probe distance averaging in a multipath site versus multi-probe field scanning inside an anechoic chamber. , 2017, , .		4
14	Energy-based Input Reflection Coefficient for the Characterization of Ultra-Wide Band Antennas. , 2008, , .		3
15	On some implementation issues for time-domain, pulse-matched synthesized antennas. , 2012, , .		3
16	Reflection Coefficient Measurements in the L-Band with Low Directivity Antennas in a Multipath Site. , 2018, , .		3
17	Differential time-domain single-antenna method for ultra-wide band antenna measurements. , 2009, , .		2
18	An intermediate-field approach of the differential time-domain single-antenna method for electrically large ultra-wide band antennas. , 2010, , .		2

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19	On the accuracy of the distance-averaging method for antenna gain measurements. , 2014, , .		2
20	Improvement of antenna decoupling in radar systems. , 2015, , .		2
21	Optimization of meander line radiators for frequency selective surfaces by using genetic algorithm. , 2015, , .		2
22	A Software Radio approach for locating unintentional ozone-generating sources. , 2015, , .		2
23	Near-Field Gain Measurements Using the Distance Averaging Method: Linear Scanning Versus Matrix Scanning. , 2018, , .		2
24	A New Method to Reduce the Impact of the Common Mode Currents for Field Measurements on Symmetrical Antennas. , 2019, , .		2
25	General solving concepts in models' design. , 2018, , .		2
26	A Single Antenna Method for Characterizing Absorber Effectiveness at Low Frequency. , 2022, , .		2
27	Evaluation of the Impulse Response of an Ultra-Wide Band Antenna by Deconvolution Using the Method of Moments. , 2007, , .		1
28	On the Accuracy of a Method of Moments Approach for Displacement Decomposition into Elementary Movements. Advanced Materials Research, 0, 1036, 981-986.	0.3	1
29	A marine direction finding system based on global positioning system. Proceedings of SPIE, 2015, , .	0.8	1
30	Optimization of meander line antennas for RFID applications by using genetic algorithm. Proceedings of SPIE, 2015, , .	0.8	1
31	Electric arc localization based on antenna arrays and MUSIC direction of arrival estimation. , 2015, , .		1
32	New advances in gain measurements in non-anechoic sites: Application to narrow band monopoles. , 2016, , .		1
33	The effect of the antenna group delay on RCS measurements in the L-band. , 2018, , .		1
34	Loop probe calibration for radiation measurements from common mode currents. , 2019, , .		1
35	Influence of the Substrate and Cell Dimensions on the Radar Cross Section of Closed Loop Type Frequency Selective Surface Unit Cells. , 2019, , .		1
36	Comparative Analysis for Different Loop-Type Frequency Selective Unit Cells. , 2019, , .		1

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37	Characterization of a Meander Line Antenna in a Non-anechoic Environment. , 2020, , .		1
38	An Ultra-Wide Band Antenna System for Pulsed Sources Direction Finding. Sensors, 2020, 20, 4695.	3.8	1
39	Impact of the angle of arrival on the response of a multi-resonant frequency selective surface. , 2018, , .		1
40	A low cost radio platform for search and rescue scenarios. , 2018, , .		1
41	A parametric study on the frequency-domain response of multi-resonant frequency selective surfaces with loop-type unit cells. , 2018, , .		1
42	Impact reduction of common mode currents for field measurements on directional symmetrical antennas. , 2020, , .		1
43	Mean square value of noise equivalent magnetic induction for magnetic microsensors. , 2010, , .		0
44	The main noise characteristics for MOS magnetic sensors. , 2011, , .		0
45	Pulse-matched synthesis of multiple wire antennas for ultra-wide-band applications. Proceedings of SPIE, 2012, , .	0.8	0
46	Design optimization for time-domain, pulse-matched synthesized antennas. , 2012, , .		0
47	Frequency-domain synthesis of ultra-wide band antennas with a flat response. , 2014, , .		0
48	ANGLE-OF-ARRIVAL ESTIMATION IN MULTIPATH ENVIRONMENTS USING SLIDING ANTENNA ARRAYS. Progress in Electromagnetics Research Letters, 2015, 54, 101-105.	0.7	0
49	A Software-Defined Radio approach for locating Electric Arcs. , 2015, , .		0
50	Alternative applications of the method of moments: from electromagnetic waves to source synthesis, deconvolution, and data processing in navigation systems. Proceedings of SPIE, 2015, , .	0.8	0
51	A balanced wide-band amplifier for microwave applications. Proceedings of SPIE, 2015, , .	0.8	0
52	Direction finding antenna system for spark detection and localization. , 2015, , .		0
53	Planar antenna system for direction finding. , 2015, , .		0
54	A novel space-diversity antenna system. Proceedings of SPIE, 2015, , .	0.8	0

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55	A novel dual-padlock UWB antenna system. , 2015, , .		0
56	An integrated platform for inertial navigation systems. Proceedings of SPIE, 2015, , .	0.8	0
57	On the performance of variable forgetting factor recursive least-squares algorithms. , 2016, , .		0
58	A comparison between Vivaldi and log-periodic antenna systems for radar cross section measurements in the Fresnel region. , 2019, , .		0
59	Radar Cross Section of a Slightly Tilted Disk in the Fresnel Region and Real Environment. , 2019, , .		0
60	2020 IEEE International Workshop on Antenna Technology [Meeting Report]. IEEE Antennas and Propagation Magazine, 2020, 62, 16-17.	1.4	0
61	A Technique for Including Edge Diffraction Effects on RCS Evaluation at Fresnel Region Ranges. , 2020, , .		0
62	A Distance Averaging Approach for Measuring the Radiation from Common Mode Currents on Antenna Feeders. , 2020, , .		0
63	A Modified Physical Optics Approach for Extrapolating Fresnel Region RCS Measurements at High Incidence Angles. , 2020, , .		0
64	Influence of the Substrate Material on the Radar Cross Section of Square Loop Unit Cells for Frequency Selective Surfaces. , 2020, , .		0
65	Radiation from Common Mode Currents on Coaxial Lines Feeding Small Monopole Antennas. , 2021, , .		0
66	Antennas and Propagation: A Sensor Approach. Sensors, 2021, 21, 4920.	3.8	0
67	New approach for processing data provided by an INS/GPS system onboard a vehicle. Proceedings of SPIE, 2016, , .	0.8	0
68	A synthesis approach for antennas with a quasi-linear gain variation over a wide frequency range. , 2016, , .		0
69	A RF time domain approach for electric arcs detection and localization systems. Proceedings of SPIE, 2016, , .	0.8	0
70	Antenna gain measurements in the intermediate-field zone. Proceedings of SPIE, 2016, , .	0.8	0
71	A new insight on the distance averaging method: linear scanning versus matrix scanning. , 2018, , .		0
72	On the performance of the variable-regularized recursive least-squares algorithms. , 2018, , .		0

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73	Improvement of setup calibration for radar cross section measurements. , 2018, , .		0
74	Underwater noise analysis for optimum signal detection. , 2018, , .		0
75	A low cost radio platform for path loss model calibration. , 2018, , .		0
76	Experimental approach for cognitive software-defined Doppler radar. , 2018, , .		0
77	Description of underwater noise in Siutghiol lake, Constanta. , 2020, , .		0
78	Characterization of antenna side and back radiation in a multipath site. , 2020, , .		0
79	Radar cross section analysis for meander line frequency selective surfaces. , 2020, , .		0