

Mara Garca-Vigueras

List of Publications by Citations

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39
papers

466
citations

13
h-index

19
g-index

57
ext. papers

608
ext. citations

4
avg, IF

3.89
L-index

#	Paper	IF	Citations
39	Enhancing Frequency-Scanning Response of Leaky-Wave Antennas Using High-Impedance Surfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 7-10	3.8	35
38	1D-Leaky Wave Antenna Employing Parallel-Plate Waveguide Loaded With PRS and HIS. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 3687-3694	4.9	34
37	. <i>Proceedings of the IEEE</i> , 2017 , 105, 655-667	14.3	32
36	Quasi-Analytical Modeling of Transmission/Reflection in Strip/Slit Gratings Loaded With Dielectric Slabs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 405-418	4.1	31
35	Dual-Band Circularly Polarized Transmitarray Antenna for Satellite Communications at (20, 30) GHz. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5325-5333	4.9	26
34	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 672-682	4.9	26
33	Simplified Modal Expansion to Analyze Frequency-Selective Surfaces: An Equivalent Circuit Approach. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1106-1111	4.9	23
32	Wideband H-plane dielectric horn antenna. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 1695-1706	4.9	23
31	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4637-4649	4.9	23
30	Efficient Synthesis of 1-D FabryPerot Antennas With Low Sidelobe Levels. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 869-872	3.8	22
29	Circuit-Model Analysis of Frequency Selective Surfaces With Scatterers of Arbitrary Geometry. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 135-138	3.8	20
28	Cost-effective dual-polarised leaky-wave antennas enabled by three-dimensional printing. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 1985-1991	1.6	15
27	All-Metal 3-D Frequency-Selective Surface With Versatile Dual-Band Polarization Conversion. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5431-5441	4.9	13
26	A Modified Pole-Zero Technique for the Synthesis of Waveguide Leaky-Wave Antennas Loaded With Dipole-Based FSS. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1971-1979	4.9	13
25	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 1357-1369	4.1	12
24	Combined plasmon-resonance and photonic-jet effect in the THz wave scattering by dielectric rod decorated with graphene strip. <i>Journal of Applied Physics</i> , 2019 , 126, 023104	2.5	12
23	Four-Port Broadband Orthomode Transducer Enabling Arbitrary Interelement Spacing. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 5521-5530	4.1	11

22	Additive Manufacturing of Modulated Triple-Ridge Leaky-Wave Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2123-2127	3.8	11
21	Equivalent Circuit Approach for Practical Applications of Meander-Line Gratings. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 3088-3091	3.8	8
20	A Simple Technique for the Dispersion Analysis of Fabry-Perot Cavity Leaky-Wave Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 803-810	4.9	8
19	Dual-band 20/30 GHz circularly polarized transmitarray for SOTM applications 2016 ,		7
18	Analytical circuit model for dipole frequency-selective surfaces 2013 ,		7
17	Dual-beam radiation from 1D leaky-wave antennas 2014 ,		5
16	Efficiently illuminated broadside-directed 1D and 2D tapered Fabry-Perot leaky-wave antennas 2012 ,		5
15	A Grounded MoM-Based Spatial Green's Function Technique for the Analysis of Multilayered Circuits in Rectangular Shielded Enclosures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 533-541	4.1	4
14	Broadband 3D-Printed Polarizer based on Metallic Transverse Electro-Magnetic Unit-Cells. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	4
13	Dual-Polarized Aperture-Coupled Patch Antennas With Application to Retrodirective and Monopulse Arrays. <i>IEEE Access</i> , 2020 , 8, 7549-7557	3.5	4
12	Circularly Polarized Leaky-Wave Antenna Based on a Dual-Mode Hollow Waveguide. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 6010-6015	4.9	4
11	Circularly Polarized Fabry-Perot Antenna Using a Hybrid Leaky-Wave Mode. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5867-5876	4.9	3
10	Equivalent circuits for conventional and extraordinary reflection in dipole arrays 2011 ,		3
9	3D-printed Ka-band antenna based on stereolithography 2017 ,		2
8	Mm-wave antennas and components: Profiting from 3D-printing 2017 ,		2
7	3D printed feed-chain and antenna components 2017 ,		2
6	Novel topology of Fabry-Perot electronically steerable leaky-wave antenna 2012 ,		2
5	Efficient Hybrid Full-Wave/Circuitual Approach for Stacks of Frequency Selective Surfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1925-1929	3.8	2

- 4 Near-field focusing employing sinusoidally modulated reactance surfaces **2016**, 1
- 3 Microfluidic beamscanning optical leaky-wave antenna concept **2014**, 1
- 2 Leaky-mode dispersion analysis in parallel-plate waveguides loaded with FSS and AMC with application to 1D leaky-wave antennas. *Digest / IEEE Antennas and Propagation Society International Symposium*, **2009**, 1
- 1 Circuit-model approach for polarizing surfaces based on stacked meander-line gratings **2018**, 1