

M Baquero-Escudero

List of Publications by Year in descending order

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759233

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70
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of LTCC-Based Dielectric Flat Lens Antennas and Switched-Beam Arrays for Future 5G Millimeter-Wave Communication Systems. IEEE Transactions on Antennas and Propagation, 2017, 65, 6453-6473.	5.1	71
2	Propagation Characteristics of Groove Gap Waveguide Below and Above Cutoff. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 27-36.	4.6	68
3	Wideband Double Monopole for Mobile, WLAN, and C2C Services in Vehicular Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 16-19.	4.0	48
4	Gap Waveguides Using a Suspended Strip on a Bed of Nails. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1006-1009.	4.0	45
5	Compact Wideband Vivaldi Monopole for LTE Mobile Communications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1068-1071.	4.0	35
6	Barium titanate (BaTiO ₃) RF characterization for application in electro-optic modulators. Optical Materials Express, 2017, 7, 4328.	3.0	31
7	Low insertion loss 61 GHz narrow-band filter implemented with Groove Gap Waveguides. , 2014, , .		30
8	Design of -Band Transition From Microstrip to Ridge Gap Waveguide Including Monte Carlo Assembly Tolerance Analysis. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1245-1254.	4.6	27
9	A novel band-pass filter topology for millimeter-wave applications based on the groove gap waveguide. , 2013, , .		26
10	Design of microwave circuits in ridge-gap waveguide technology. , 2010, , .		24
11	Dual-Band Single-Layer Slot Array Antenna Fed by <i>K</i>/<i>Ka</i>-Band Dual-Mode Resonators in Gap Waveguide Technology. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 416-420.	4.0	24
12	An electromagnetic scattering model for multiple tree trunks above a tilted rough ground plane. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 659-667.	6.3	19
13	Compact Compline Filter Embedded in a Bed of Nails. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1461-1471.	4.6	17
14	Reconfigurable Slot-Array Antenna With RF-MEMS. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 721-725.	4.0	13
15	Groove gap waveguide as an alternative to rectangular waveguide for Hâ€plane components. Electronics Letters, 2016, 52, 939-941.	1.0	13
16	Test-Fixture for Suspended-Strip Gap-Waveguide Technology on Ka-Band. IEEE Microwave and Wireless Components Letters, 2013, 23, 321-323.	3.2	11
17	Evanescent-Mode Ridge-Waveguide Radiating Filters for Space Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 6286-6297.	5.1	10
18	Half-Mode Waveguide Based on Gap Waveguide Technology for Rapid Prototyping. IEEE Microwave and Wireless Components Letters, 2022, 32, 117-120.	3.2	10

#	ARTICLE	IF	CITATIONS
19	Study of the characteristic impedance of a ridge gap waveguide. , 2009, , .		9
20	A Cylindrical System for Quasi-Real Time Microwave Tomography. , 1986, , .		8
21	Generalised iterative method for solving 2D multiscattering problems using spectral techniques. IET Microwaves Antennas and Propagation, 1997, 144, 73.	1.2	8
22	Practical Derivation of Slot Equivalent Admittance in Periodic Waveguides. IEEE Transactions on Antennas and Propagation, 2013, 61, 2321-2324.	5.1	8
23	Inline Combline Filters of Order N With up to $N + 1$ Transmission Zeros. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3287-3297.	4.6	7
24	Improvement of resolution in equivalent currents reconstruction using Papoulis-Gerchberg algorithm and replicas of the spectrum. Electronics Letters, 2007, 43, 1010.	1.0	5
25	A new Fast Physical Optics method for very large PEC surfaces. , 2006, , .		4
26	Design of low-loss waveguides and devices at THz frequencies using EBG structures. , 2011, , .		4
27	EBG structures for antenna design at THz frequencies. , 2011, , .		4
28	OPTIMIZATION OF THE E-PLANE LOADED RECTANGULAR WAVEGUIDE FOR LOW-LOSS PROPAGATION. Progress in Electromagnetics Research, 2013, 135, 411-433.	4.4	4
29	Reconfigurable array antenna in LTCC technology. , 2014, , .		4
30	Dielectric Bed of Nails in Gap-Waveguide Technology at Millimeter-Wave Frequencies. IEEE Microwave and Wireless Components Letters, 2014, 24, 515-517.	3.2	4
31	Study of the Multipactor Effect in Groove Gap Waveguide Technology. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2566-2578.	4.6	4
32	Novel UWB antennas with switchable and tunable band-notched behaviors. , 2007, , .		3
33	Currents reconstruction using a modal expansion of near field measurements for synthesis error detection. Microwave and Optical Technology Letters, 2007, 49, 2043-2047.	1.4	3
34	Rectangular waveguide with low metallic losses on side walls at THz. , 2010, , .		3
35	Pattern reconfigurable Ka-band slot-array antenna using RF-MEMS ^{&#x2020;} , 2010, , .		3
36	Iterative Algorithm for Probe Calibration in Spherical Near-Field Antenna Measurement. IEEE Transactions on Antennas and Propagation, 2010, 58, 3069-3074.	5.1	3

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37	Rigorous method for calculating Gap waveguides impedance using transmission line theory. , 2014, , .		3
38	An effective post-manufactured tuning method for gap waveguide components. , 2016, , .		3
39	Analysis of Multireflector Antenna Clusters by Spectral Methods. , 1994, , .		2
40	Algorithm for currents reconstruction using the FFT iterative method and a lattice of the spectrum. , 2006, , .		2
41	Equivalent-admittance slot representation in periodic waveguides. , 2012, , .		2
42	Reduction of the impedance dependence on the Suspended-Strip Gap Waveguide. , 2014, , .		2
43	Low-profile circularly-symmetric antenna with radial corrugations. , 2015, , .		2
44	On Multimode Equivalent Network Representation of Finite Arrays of Open-Ended Waveguides. IEEE Transactions on Antennas and Propagation, 2017, 65, 4334-4339.	5.1	2
45	Flatness enhancement of Gap Waveguide Slot Arrays using a Ribbed-Grid Plate. , 2018, , .		2
46	Linear array diagnostic from near-field measurements. , 0, , .		1
47	A new 3D fast physical optics method. , 2006, , .		1
48	Detection of defective elements in an X band array antenna from its near field measurements. , 2007, , .		1
49	Resolution enhancement in equivalent currents reconstruction by means of prior discrete Fourier transform. Electronics Letters, 2009, 45, 248.	1.0	1
50	Reduction of high-order modes coupling on bends in the dielectric-coated single wire waveguide. , 2012, , .		1
51	Design of an H-plane horn array antenna using the complete 1D/3D-EBC waveguide in the THz band. , 2012, , .		1
52	Reduction of radiation losses of the single-wire waveguide at THz frequencies. , 2013, , .		1
53	Reconfigurable circularly-polarized antenna in LTCC technology. , 2014, , .		1
54	A novel twist between Gap Waveguides for compact slot-array antennas. , 2014, , .		1

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55	Transitions between Gap Waveguides for use in a phased array antenna fed by a Rotman lens. , 2014, , .		1
56	Response correction of a V-band narrow-band filter using tuning metal insertions and Aggressive Space Mapping. , 2015, , .		1
57	LTCC-based dielectric flat lens performance evaluation at 94 GHz. , 2016, , .		1
58	Arbitrary wave synthesis using spectral transformations. , 1993, , .		0
59	An electromagnetic scattering model for tree trunks over a tilted rough ground plane. , 0, , .		0
60	A new 2D fast physical optics method. , 2006, , .		0
61	High resolution in currents reconstruction applying the extrapolation matrix and spectrum replies. , 2007, , .		0
62	Near field retrieval from far field using PDFT. , 2008, , .		0
63	Fast physical optics using piecewise quadratic approximation. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	0
64	Determination of probe receiving coefficients for near-field to far-field transformation. Microwave and Optical Technology Letters, 2009, 51, 2826-2829.	1.4	0
65	Study of the effect of coating the single wire waveguide with a dielectric. , 2011, , .		0
66	Design of coupled-line components with the Suspended-Strip Gap Waveguide at mm-wave frequencies. , 2015, , .		0
67	Band-pass unit cell for extended low-profile lens over radially-corrugated circular horn. , 2016, , .		0
68	A procedure to correct the response of manufactured Groove Gap Waveguide components. , 2016, , .		0
69	A frequency-dependent equivalence between groove gap waveguide and rectangular waveguide. , 2016, , .		0
70	Transition between gap waveguides for use in multilayer structures at millimeter-wave frequencies. Microwave and Optical Technology Letters, 2016, 58, 102-106.	1.4	0