

Angel-Antonio San-Blas

List of Publications by Year in descending order

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papers

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citations

1040056

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888059

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g-index

40
all docs

40
docs citations

40
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Space mapping filter design and tuning techniques. International Journal of Microwave and Wireless Technologies, 2022, 14, 387-396.	1.9	1
2	Study of the Multipactor Effect in Groove Gap Waveguide Technology. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2566-2578.	4.6	4
3	On the Accurate Numerical Analysis of the Propagation Through Dielectric Frequency-Selective Surfaces Using a Vectorial Modal Method. Electronics (Switzerland), 2021, 10, 766.	3.1	1
4	Analysis of the dispersion characteristics in periodic Substrate Integrated Waveguides. AEU - International Journal of Electronics and Communications, 2021, 139, 153914.	2.9	5
5	Design Procedure for Bandpass Filters Based on Integrated Coaxial and Rectangular Waveguide Resonators. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4390-4404.	4.6	18
6	Band-pass filters based on periodic structures in SIW technology. AEU - International Journal of Electronics and Communications, 2019, 112, 152942.	2.9	12
7	Novel Solution for the Coaxial Excitation of Inductive Rectangular Waveguide Filters. , 2018, , .		4
8	Study of the multipactor phenomenon using a full-wave integral equation technique. AEU - International Journal of Electronics and Communications, 2017, 79, 286-290.	2.9	3
9	Modeling of perforated SIW structures and their application to the design of step-impedance microwave filters. , 2017, , .		5
10	Analysis of a perforated SIW structure with a rectangular air box and its application to the design of a step-impedance microwave filter. , 2017, , .		1
11	On the multimodal analysis and design of guided filters in circular waveguide technology. , 2016, , .		0
12	Compensation of the impact of low-cost manufacturing techniques in the design of E-plane multiport waveguide junctions. Radio Science, 2016, 51, 619-628.	1.6	2
13	A novel bandpass filter based on a periodically drilled SIW structure. Radio Science, 2016, 51, 328-336.	1.6	26
14	Flexible and efficient computer-aided design tool for advanced comb-line rectangular waveguide filters. International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 696-708.	1.2	3
15	Highly efficient full-wave electromagnetic analysis of 3D arbitrarily shaped waveguide microwave devices using an integral equation technique. Radio Science, 2015, 50, 642-655.	1.6	1
16	Compensated double-ridge waveguide E-plane and H-plane T-junctions. , 2015, , .		10
17	Substrate integrated waveguide hybrid coupler with integrated filter for radar applications. , 2015, , .		0
18	Design of compensated multiport waveguide junctions considering mechanization effects. AEU - International Journal of Electronics and Communications, 2015, 69, 328-331.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Wideband generalized admittance matrix representation for the analysis and design of waveguide filters with coaxial excitation. Radio Science, 2013, 48, 50-60.	1.6	5
20	FULL-WAVE ANALYSIS AND DESIGN OF BROADBAND TURNSTILE JUNCTIONS. Progress in Electromagnetics Research Letters, 2011, 24, 149-158.	0.7	7
21	EFFICIENT ANALYSIS AND DESIGN OF COMPENSATED TURNSTILE JUNCTIONS USING ADVANCED MODAL TECHNIQUES. Progress in Electromagnetics Research Letters, 2009, 12, 21-30.	0.7	3
22	Full-Wave Analysis and Design of Dielectric-Loaded Waveguide Filters Using a State-Space Integral-Equation Method. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 109-120.	4.6	13
23	Wideband modelling of cascaded H-plane waveguide junctions using the generalised impedance matrix representation. IET Microwaves, Antennas and Propagation, 2009, 3, 580.	1.4	4
24	Wideband impedance matrix representation of passive waveguide components based on cascaded planar junctions. Radio Science, 2009, 44, .	1.6	3
25	Fast and accurate analysis and design of substrate integrated waveguide (SIW) filters. , 2007, , .		11
26	On the Fast and Rigorous Analysis of Compensated Waveguide Junctions Using Off-Centered Partial-Height Metallic Posts. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 168-175.	4.6	30
27	Efficient Pole Expansion of the Generalized Impedance Matrix Representation for Planar Waveguide Junctions. , 2006, , .		1
28	Full-Wave Analysis of Dielectric Frequency-Selective Surfaces Using a Vectorial Modal Method. IEEE Transactions on Antennas and Propagation, 2004, 52, 2091-2099.	5.1	42
29	Scattering of dielectric frequency-selective surfaces under three-dimensional plane-wave incidence. , 2004, , .		1
30	<title>Analysis and applications of one-dimensional periodic dielectric gratings under plane wave excitation</title>. , 2004, , .		0
31	<title>Fast calculation of the Green's functions of a boxed resonator through Ewald's technique</title>. , 2004, , .		1
32	Direct computation of the admittance parameters of a cubic junction with arbitrarily shaped access ports using the Blâ€™RME method. IET Microwaves Antennas and Propagation, 2003, 150, 111.	1.2	5
33	Two-dimensional photonic-crystal microwave waveguide. Microwave and Optical Technology Letters, 2003, 39, 243-246.	1.4	3
34	Three-dimensional scattering of dielectric gratings under plane-wave excitation. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 215-218.	4.0	26
35	A rigorous and efficient full-wave analysis of uniform bends in rectangular waveguide under arbitrary incidence. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 397-405.	4.6	19
36	Teaching of wave propagation phenomena using MATLAB GUIs at the Universidad Politecnica of Valencia. IEEE Antennas and Propagation Magazine, 2003, 45, 140-143.	1.4	11

#	ARTICLE	IF	CITATIONS
37	A new hybrid mode-matching/numerical method for the analysis of arbitrarily shaped inductive obstacles and discontinuities in rectangular waveguides. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1219-1224.	4.6	49
38	Efficient CAD of Optimal Multi-Port Junctions Loaded with Partial-Height Cylindrical Posts using the 3D BI-RME Method. , 0, , .		3
39	Wideband Representation of Passive Components Based on Planar Waveguide Junctions. , 0, , .		0