Ana M RodrÃ-guez PÃ©rez

List of Publications by Year
in descending order

19 papers	219 citations	1307594 7 h-index	1199594 12 g-index
20 all docs	20 docs citations	20 times ranked	189 citing authors

#	Article	IF	Citations
1	Multipactor Threshold Estimation Techniques Based on Circuit Models, Electromagnetic Fields, and Particle Simulators. IEEE Journal of Microwaves, 2022, 2, 57-77.	6.5	5
2	Compact Wideband Balanced Bandpass Filters With Very Broad Common-Mode and Differential-Mode Stopbands. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 737-750.	4.6	27
3	Automated design of bandpass filters based on open complementary split ring resonators (<scp>OCSRRs</scp>) using aggressive space mapping (ASM) optimization. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2121.	1.9	4
4	Design of Capacitively Loaded Coupled-Line Bandpass Filters With Compact Size and Spurious Suppression. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1235-1248.	4.6	38
5	Optimized wideband differential-mode bandpass filters with broad stopband and common-mode suppression based on multi-section stepped impedance resonators and interdigital capacitors. , 2017, , .		4
6	Robust optimization and tuning of microwave filters and artificial transmission lines using aggressive space mapping techniques. , 2017, , .		9
7	Automated design of balanced wideband bandpass filters based on mirrored stepped impedance resonators (SIRs) and interdigital capacitors. International Journal of Microwave and Wireless Technologies, 2016, 8, 731-740.	1.9	7
8	Design of narrowâ€band dielectric frequencyâ€selective surfaces for microwave applications. IET Microwaves, Antennas and Propagation, 2016, 10, 251-255.	1.4	4
9	Application of aggressive space mapping (ASM) to the automated design of differential-mode wideband bandpass filters with common-mode suppression. , 2015, , .		1
10	Synthesis of slow-wave structures based on capacitive-loaded lines through aggressive space mapping (ASM). International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 629-638.	1.2	18
11	Automated Design of Common-Mode Suppressed Balanced Wideband Bandpass Filters by Means of Aggressive Space Mapping. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3896-3908.	4.6	40
12	Design of Planar Wideband Bandpass Filters From Specifications Using a Two-Step Aggressive Space Mapping (ASM) Optimization Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3341-3350.	4.6	28
13	Synthesis of open complementary split ring resonators (OCSRRs) through aggressive space mapping (ASM) and application to bandpass filters. , 2014, , .		4
14	Automated synthesis of planar wideband bandpass filters based on stepped impedance resonators (SIRs) and shunt stubs through aggressive space mapping (ASM). , 2014, , .		4
15	Automated synthesis of transmission lines loaded with complementary split ring resonators (CSRRs) and open complementary split ring resonators (OCSRRs) through aggressive space mapping (ASM). Applied Physics A: Materials Science and Processing, 2014, 117, 557-565.	2.3	2
16	Synthesis of Split-Rings-Based Artificial Transmission Lines Through a New Two-Step, Fast Converging, and Robust Aggressive Space Mapping (ASM) Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2295-2308.	4.6	15
17	Practical Application of Space Mapping Techniques to the Synthesis of CSRR-Based Artificial Transmission Lines. , 2013, , 81-97.		0
18	Synthesis of planar microwave circuits through aggressive space mapping using commercially available software packages. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 527-534.	1.2	7

#	Article	IF	Citations
19	Automated synthesis of resonant-type metamaterial transmission lines using aggressive space mapping. , 2010, , .		2