Rafael Florencio

List of Publications by Year
in descending order

33	706	535685 17	651938 25
papers	citations	h-index	g-index

34	34	34	507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Demonstration of a Reflectarray With Near-Field Amplitude and Phase Constraints as Compact Antenna Test Range Probe for 5G New Radio Devices. IEEE Transactions on Antennas and Propagation, 2021, 69, 2715-2726.	3.1	27
2	BICGSTAB-FFT Method of Moments with NURBS for Analysis of Planar Generic Layouts Embedded in Large Multilayer Structures. Electronics (Switzerland), 2020, 9, 1476.	1.8	3
3	Bandwidth Improvement of Reflectarray Cells Using Variable Rotation Technique at Two Frequencies for Dual Circular Polarization. , 2020, , .		2
4	Fast Preconditioner Computation for BICGSTAB-FFT Method of Moments with NURBS in Large Multilayer Structures. Electronics (Switzerland), 2020, 9, 1938.	1.8	1
5	Comparison between Specialized Quadrature Rules for Method of Moments with NURBS Modelling Applied to Periodic Multilayer Structures. Electronics (Switzerland), 2020, 9, 2043.	1.8	1
6	Method of Moments Based on Equivalent Periodic Problem and FFT with NURBS Surfaces for Analysis of Multilayer Periodic Structures. Electronics (Switzerland), 2020, 9, 234.	1.8	3
7	Design of Ku- and Ka-Band Flat Dual Circular Polarized Reflectarrays by Combining Variable Rotation Technique and Element Size Variation. Electronics (Switzerland), 2020, 9, 985.	1.8	4
8	Dual-Band Reflectarray to Generate Two Spaced Beams in Orthogonal Circular Polarization by Variable Rotation Technique. IEEE Transactions on Antennas and Propagation, 2020, 68, 4617-4626.	3.1	22
9	Dual-Frequency Reflectarray Cell to Provide Opposite Phase Shift in Dual Circular Polarization With Application in Multibeam Satellite Antennas. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1591-1595.	2.4	22
10	Multi-Beam Circular Polarized Reflectarray on Parabolic Reflector by Variable Rotation Technique. Applied Sciences (Switzerland), 2019, 9, 2659.	1.3	2
11	Flat Reflectarray That Generates Adjacent Beams by Discriminating in Dual Circular Polarization. IEEE Transactions on Antennas and Propagation, 2019, 67, 3733-3742.	3.1	35
12	Experimental Validation of Generating Two Spaced Beams With Reflectarrays by VRT. IEEE Transactions on Antennas and Propagation, 2019, 67, 4263-4268.	3.1	9
13	Efficient Spectral Domain MoM for the Design of Circularly Polarized Reflectarray Antennas Made of Split Rings. IEEE Transactions on Antennas and Propagation, 2019, 67, 1760-1771.	3.1	16
14	Reflectarray to Generate Four Adjacent Beams per Feed for Multispot Satellite Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 1265-1269.	3.1	20
15	3-D Bifocal Design Method for Dual-Reflectarray Configurations With Application to Multibeam Satellite Antennas in <italic>Ka</italic>-Band. IEEE Transactions on Antennas and Propagation, 2019, 67, 450-460.	3.1	23
16	Dual-polarization reflectarray in Ku-band based on two layers of dipole arrays for a transmitâ€“receive satellite antenna with South American coverage. International Journal of Microwave and Wireless Technologies, 2018, 10, 149-159.	1.5	22
17	Optimized Periodic MoM for the Analysis and Design of Dual Polarization Multilayered Reflectarray Antennas Made of Dipoles. IEEE Transactions on Antennas and Propagation, 2017, 65, 3623-3637.	3.1	17
18	Dual Polarized Reflectarray Transmit Antenna for Operation in Ku- and Ka-Bands With Independent Feeds. IEEE Transactions on Antennas and Propagation, 2017, 65, 3241-3246.	3.1	41

#	Article	IF	Citations
19	Efficient Crosspolar Optimization of Shaped-Beam Dual-Polarized Reflectarrays Using Full- Wave Analysis for the Antenna Element Characterization. IEEE Transactions on Antennas and Propagation, 2017, 65, 623-635.	3.1	48
20	Numerical advances in the full-wave analysis of periodic multilayered structures with application to reflectarray antennas. , 2017, , .		0
21	Reflectarray in K and Ka bands with independent beams in each polarization. , 2016, , .		15
22	Dual polarized reflectarray antenna to generate independent beams in Ku and Ka bands. , 2016, , .		6
23	Reflectarray antenna with reduced crosspolar radiation pattern. , 2016, , .		4
24	Cross-polar reduction in reflectarray antennas by means of element rotation. , 2016, , .		10
25	Reflectarray Antennas for Dual Polarization and Broadband Telecom Satellite Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 1234-1246.	3.1	122
26	Fast and Accurate MoM Analysis of Periodic Arrays of Multilayered Stacked Rectangular Patches With Application to the Design of Reflectarray Antennas. IEEE Transactions on Antennas and Propagation, 2015, 63, 2558-2571.	3.1	24
27	Dualâ€polarisation reflectarray made of cells with two orthogonal sets of parallel dipoles for bandwidth and crossâ€polarisation improvement. IET Microwaves, Antennas and Propagation, 2014, 8, 1389-1397.	0.7	26
28	Broadband reflectarrays made of cells with three coplanar parallel dipoles. Microwave and Optical Technology Letters, 2014, 56, 748-753.	0.9	41
29	Accurate and Efficient Modeling to Calculate the Voltage Dependence of Liquid Crystal-Based Reflectarray Cells. IEEE Transactions on Antennas and Propagation, 2014, 62, 2659-2668.	3.1	52
30	Enhanced MoM Analysis of the Scattering by Periodic Strip Gratings in Multilayered Substrates. IEEE Transactions on Antennas and Propagation, 2013, 61, 5088-5099.	3.1	50
31	Efficient numerical tool for the analysis and design of reflectarrays based on cells with three parallel dipoles. Microwave and Optical Technology Letters, 2013, 55, 1212-1216.	0.9	31
32	Efficient analysis of multi-resonant periodic structures for the improved analysis and design of reflectarray antennas. , 2012, , .		2
33	Comparative study of reflectarrays based on cells with three coplanar dipoles and reflectarrays based on cells with three stacked patches. , 2012, , .		5