

Lucas Polo-LÃ³pez

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

81
citations

1684188
5
h-index

1474206
9
g-index

18
all docs

18
docs citations

18
times ranked

83
citing authors

#	ARTICLE	IF	CITATIONS
1	Manufacturing Guidelines for W-Band Full-Metal Waveguide Devices: Selecting the most appropriate technology. IEEE Antennas and Propagation Magazine, 2023, 65, 48-62.	1.4	4
2	Segmentation of a Complex Horn Antenna for Efficient Analysis and Optimization. , 2022, , .		0
3	Vertically Printable Evanescent Mode Filters. IEEE Microwave and Wireless Components Letters, 2022, 32, 1299-1302.	3.2	7
4	Triple-Radiation Pattern Monopulse Horn Feed With Compact Single-Layer Comparator Network. IEEE Transactions on Antennas and Propagation, 2021, 69, 2546-2559.	5.1	18
5	Contribution of the Evanescent Modes to the Power Radiated by an Aperture. , 2021, , .		1
6	Waveguide Manufacturing Technologies for Next-Generation Millimeter-Wave Antennas. Micromachines, 2021, 12, 1565.	2.9	4
7	Modal Field Synthesis of Monopulse Difference Patterns for Radiating Aperture. IEEE Transactions on Antennas and Propagation, 2020, 68, 8203-8208.	5.1	2
8	Mechanically Reconfigurable Linear Phased Array Antenna Based on Single-Block Waveguide Reflective Phase Shifters With Tuning Screws. IEEE Access, 2020, 8, 113487-113497.	4.2	10
9	Reconfigurable Hâ€plane waveguide phase shifters prototyping with additive manufacturing at Kâ€band. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21980.	1.2	4
10	Analytical Far-Zone Calculation of the Field Radiated From an Equilateral Triangular Aperture. IEEE Transactions on Antennas and Propagation, 2019, 67, 5668-5672.	5.1	0
11	On the Theoretical Maximum Directivity of a Radiating Aperture From Modal Field Expansions. IEEE Transactions on Antennas and Propagation, 2019, 67, 2781-2786.	5.1	9
12	A Compact Lenslet as an Alternative to Corrugated Horns for Astronomy Applications. , 2018, , .		0
13	Antenna Design by Means of the Fruit Fly Optimization Algorithm. Electronics (Switzerland), 2018, 7, 3.	3.1	12
14	Analysis of Waveguide Devices Involving Lateral and Transverse Perfect Magnetic Wall Boundary Conditions by the Modeâ€Matching Method. Radio Science, 2017, 52, 1223-1234.	1.6	5
15	Fruit fly optimization algorithm for passive waveguide devices. , 2017, , .		1
16	Design of a reconfigurable rectangular waveguide phase shifter with metallic posts. , 2017, , .		3
17	Design of a reconfigurable rectangular waveguide phase shifter with metallic posts. , 2017, , .		1
18	Analysis of waveguide discontinuities with lateral and transverse perfect magnetic wall boundary conditions. , 2016, , .		0