

# Lucas Polo-LÃ³pez

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Antenna Design by Means of the Fruit Fly Optimization Algorithm. Electronics (Switzerland), 2018, 7, 3.	3.1	12
3	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
4	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
5	Vertically Printable Evanescent Mode Filters. IEEE Microwave and Wireless Components Letters, 2022, 32, 1299-1302.	3.2	7
6	Analysis of Waveguide Devices Involving Lateral and Transverse Perfect Magnetic Wall Boundary Conditions by the Mode-Matching Method. Radio Science, 2017, 52, 1223-1234.	1.6	5
7	Reconfigurable H-plane waveguide phase shifters prototyping with additive manufacturing at K-band. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21980.	1.2	4
8	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
9	Waveguide Manufacturing Technologies for Next-Generation Millimeter-Wave Antennas. Micromachines, 2021, 12, 1565.	2.9	4
10	Design of a reconfigurable rectangular waveguide phase shifter with metallic posts. , 2017, , .		3
11	Modal Field Synthesis of Monopulse Difference Patterns for Radiating Aperture. IEEE Transactions on Antennas and Propagation, 2020, 68, 8203-8208.	5.1	2
12	Fruit fly optimization algorithm for passive waveguide devices. , 2017, , .		1
13	Design of a reconfigurable rectangular waveguide phase shifter with metallic posts. , 2017, , .		1
14	Contribution of the Evanescent Modes to the Power Radiated by an Aperture. , 2021, , .		1
15	Analysis of waveguide discontinuities with lateral and transverse perfect magnetic wall boundary conditions. , 2016, , .		0
16	A Compact Lenslet as an Alternative to Corrugated Horns for Astronomy Applications. , 2018, , .		0
17	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
18	Segmentation of a Complex Horn Antenna for Efficient Analysis and Optimization. , 2022, , .		0