

# JesÃ³s M Rebollar

## List of Publications by Year in descending order

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times ranked

517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Segmentation of a Complex Horn Antenna for Efficient Analysis and Optimization. , 2022, , .		0
2	A New 4 Å– 4 Rectangular Waveguide Short-Slot Coupler in 3D Printed Technology at Ku-Band. Electronics (Switzerland), 2020, 9, 610.	3.1	1
3	Development of a high-performance W-band duplexer for plasma diagnosis using a single band with dual circular polarization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 947, 162712.	1.6	1
4	Additive Manufacturing of a High-Performance \$\$ -Band Circular TE<sub>01</sub> Mode Flared-Type Transducer. IEEE Microwave and Wireless Components Letters, 2019, 29, 577-579.	3.2	13
5	A 10-Way Power Divider Based on a Transducer and a Radial Junction Operating in the Circular TM<sub>01</sub> Mode. IEEE Access, 2019, 7, 127353-127361.	4.2	14
6	Design of a Ku-Band High-Purity Transducer for the TM<sub>01</sub> Circular Waveguide Mode by Means of T-Type Junctions. IEEE Access, 2019, 7, 450-456.	4.2	7
7	Analytical expressions of the $Q$ -factor for the complete resonant mode spectrum of the equilateral triangular waveguide cavity. Electronics Letters, 2019, 55, 944-947.	1.0	2
8	High-performance 16-way Ku-band radial power combiner based on the TE<sub>01</sub>-circular waveguide mode. Review of Scientific Instruments, 2018, 89, 034703.	1.3	13
9	Orthomode Transducers With Folded Double-Symmetry Junctions for Broadband and Compact Antenna Feeds. IEEE Transactions on Antennas and Propagation, 2018, 66, 1160-1168.	5.1	40
10	Robust Calculation of the Modes in Parabolic Cylinder Metallic Waveguides by Means of a Root-Finding Method for Bivariate Functions. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 623-632.	4.6	3
11	5-way radial power combiner at W-band by stacked waveguide micromachining. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 91-95.	1.6	17
12	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
13	Electromagnetic Scattering at the Waveguide Step between Equilateral Triangular Waveguides. Advances in Mathematical Physics, 2016, 2016, 1-16.	0.8	10
14	Development of folded dual-polarization dividers for broadband ortho-mode transducers. , 2015, , .		3
15	A Micromachined Dual-Band Orthomode Transducer. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 55-63.	4.6	37
16	Compact Duplexing for a 680-GHz Radar Using a Waveguide Orthomode Transducer. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2833-2842.	4.6	18
17	Development of a Wideband Compact Orthomode Transducer for the 180–270 GHz Band. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 634-636.	3.1	33
18	A 225 GHz Circular Polarization Waveguide Duplexer Based on a Septum Orthomode Transducer Polarizer. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 574-583.	3.1	58

#	ARTICLE	IF	CITATIONS
19	Modelling of dual-polarisation diplexers based on enhanced multiport turnstile junctions. IET Microwaves, Antennas and Propagation, 2013, 7, 485-492.	1.4	10
20	Experimental comparison of waveguide filters at W-band implemented by different machining processes and split-block. Journal of Electromagnetic Waves and Applications, 2013, 27, 2390-2394.	1.6	5
21	Silicon Micromachined Canonical $E$ -Plane and $H$ -Plane Bandpass Filters at the Terahertz Band. IEEE Microwave and Wireless Components Letters, 2013, 23, 288-290.	3.2	56
22	Development of low loss waveguide filters for radio-astronomy applications. Infrared Physics and Technology, 2013, 61, 224-229.	2.9	8
23	Upper frequency limit of the power loss method for the estimation of ohmic losses in hollow metallic waveguides. , 2012, , .		0
24	A Pseudo-Elliptical Response Filter at W-Band Fabricated With Thick SU-8 Photo-Resist Technology. IEEE Microwave and Wireless Components Letters, 2012, 22, 105-107.	3.2	36
25	Low-Loss Elliptical Response Filter at 100 GHz. IEEE Microwave and Wireless Components Letters, 2012, 22, 459-461.	3.2	38
26	Synthesis and design of waveguide band-stop filters without out-of-band spurious responses for plasma diagnosis. Fusion Engineering and Design, 2012, 87, 1662-1666.	1.9	4
27	Short-slot E- and H-plane waveguide couplers with an arbitrary power division ratio. International Journal of Electronics, 2011, 98, 11-24.	1.4	14
28	In-Line Pure $E$ -Plane Waveguide Band-Stop Filter With Wide Spurious-Free Response. IEEE Microwave and Wireless Components Letters, 2011, 21, 209-211.	3.2	12
29	Field Propagation in Circular Hollow Waveguides With Non-Ideal Metallic Conductors From Microwaves to Terahertz Frequencies. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3013-3022.	4.6	8
30	Efficient Design of Contiguous-Band Elliptic-Response Manifold Output Multiplexers with Single-Terminated Filters. Electromagnetics, 2010, 30, 644-659.	0.7	2
31	Full-wave modeling and optimization of $\lambda/4$ junction ortho-mode transducers. International Journal of RF and Microwave Computer-Aided Engineering, 2008, 18, 303-313.	1.2	9
32	Waveguide filters with elliptical function response: Overview and results of different implementations. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 63-69.	1.2	5
33	Very compact ortho-mode transducers with double septum configuration. Microwave and Optical Technology Letters, 2006, 48, 765-767.	1.4	61
34	Rectangular Waveguide Elliptic Filters with Capacitive and Inductive Irises and Integrated Coaxial Excitation. , 2005, , .		4
35	Synthesis and design of $N$ -order filters with $N$ -transmission zeros by means of source-load direct coupling. Microwave and Optical Technology Letters, 2001, 29, 248-252.	1.4	10
36	Design of Radial Power Combiners Based on TE <sub>01</sub> Circular Waveguide Mode. , 0, , .		0