

# Oscar Rubiños-López

## List of Publications by Year in descending order

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73  
papers

636  
citations

687363

13  
h-index

642732

23  
g-index

74  
all docs

74  
docs citations

74  
times ranked

615  
citing authors

#	ARTICLE	IF	CITATIONS
1	On a CVD-formed carbon nitrogen (C <sub>3</sub> N) film doped with Cu and Zn. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 306-313.	2.1	2
2	From urea to melamine cyanurate: Study of a class of thermal condensation routes for the preparation of graphitic carbon nitride. Journal of Solid State Chemistry, 2022, 310, 123071.	2.9	9
3	Experimental and theoretical investigations on a CVD grown thin film of polymeric carbon nitride and its structure. Diamond and Related Materials, 2021, 111, 108169.	3.9	5
4	Solar light-driven reduction of crystal violet by a composite of g-C <sub>3</sub> N <sub>4</sub> , I <sup>2</sup> -Ag <sub>2</sub> Se, I <sup>3</sup> -Fe <sub>2</sub> O <sub>3</sub> and graphite. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 533-540.	2.1	1
5	A Physical Optics Simulator for Multireflector THz Imaging Systems. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 476-483.	3.1	6
6	A Physical Optics Simulator for Dielectric Bodies Characterization Using a Multistatic Radar. , 2019, , .		1
7	Comparison of the activities of C <sub>2</sub> N and BCNO towards Congo red degradation. Materials Chemistry and Physics, 2019, 221, 397-408.	4.0	13
8	Design of a Bifocal Dual Reflectarray System with Parabolic Main Surface for a Multifed Space Antenna. , 2018, , .		1
9	Improving a monostatic radar system for 3D Standoff Human Body Imaging. , 2018, , .		0
10	Physical Optics Simulation of a THz Standoff Imaging System. , 2018, , .		1
11	On the use of a hybrid Monostatic-Bistatic radar system for a 3D Standoff Imaging. , 2018, , .		0
12	Compact Radar Front-End for an Imaging Radar at 300 GHz. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 268-273.	3.1	31
13	Understanding cloud dynamics using a ground-based radar at 94 GHz. , 2017, , .		0
14	Nitrogen-carbon graphite-like semiconductor synthesized from uric acid. Carbon, 2017, 121, 368-379.	10.3	23
15	Design and preliminary results of a ground-based cloud profiling radar at 94 GHz. , 2016, , .		2
16	A computational method for modeling arbitrary junctions employing different surface integral equation formulations for three-dimensional scattering and radiation problems. Journal of Electromagnetic Waves and Applications, 2016, 30, 689-713.	1.6	5
17	Optimization of a compact THz imaging radar for real-time operation. , 2016, , .		0
18	A confocal reflector for a reflectarray-based scanning system. , 2016, , .		1

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19	Hematologic characterization and 3D imaging of red blood cells using a Compressive Nano-antenna and ML-FMA modeling. , 2016, , .		4
20	Comparison of iterative solvers for electromagnetic analysis of plasmonic nanostructures using multiple surface integral equation formulations. Journal of Electromagnetic Waves and Applications, 2016, 30, 456-472.	1.6	15
21	Windowing of THz time-domain spectroscopy signals: A study based on lactose. Optics Communications, 2016, 366, 386-396.	2.1	33
22	THz TDS study of several sp <sup>2</sup> carbon materials: Graphite, needle coke and graphene oxides. Carbon, 2016, 98, 484-490.	10.3	44
23	Fast and accurate simulation of coaxial-fed antennas using full-wave and asymptotic computational methods. , 2015, , .		0
24	Boundary element methods for the scattering retrieval of metamaterials. , 2015, , .		0
25	3-D High-Resolution Imaging Radar at 300 GHz With Enhanced FoV. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1097-1107.	4.6	59
26	Improved combined tangential formulation for electromagnetic analysis of penetrable bodies. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1780.	2.1	12
27	Characterization of a 300 GHz imaging radar for standoff detection. , 2014, , .		0
28	Junction modeling for piecewise non-homogeneous geometries involving arbitrary materials. , 2014, , .		4
29	Comparison of iterative solver performances on multiple surface integral equation formulations for plasmonic scatterers. , 2014, , .		1
30	Coupling of plasmonic gap waveguides with directive antennas. , 2014, , .		0
31	Bifocal Reflector Antenna for a Standoff Radar Imaging System With Enhanced Field of View. IEEE Transactions on Antennas and Propagation, 2014, 62, 4997-5006.	5.1	21
32	Bootstrap approaches for spatial data. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1207-1219.	4.0	24
33	Directive nanoantennas for optical wireless links. , 2013, , .		0
34	Design of optical wide-band log-periodic nanoantennas using surface integral equation techniques. Optics Communications, 2013, 301-302, 61-66.	2.1	11
35	Fast surface integral equation methods for the optimization of nanoantennas. , 2013, , .		0
36	THz spectroscopy of polymeric carbon nitride from melamine cyanurate. , 2013, , .		1

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37	Novel surface integral equation formulation for penetrable bodies. , 2013, , .		1
38	Fast Far Field Computation of Single and Dual Reflector Antennas. Journal of Engineering (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	8
39	Comparative of surface integral equation formulations when applied to plasmonic problems. , 2012, , .		0
40	A Bifocal Ellipsoidal Gregorian Reflector System for THz Imaging Applications. IEEE Transactions on Antennas and Propagation, 2012, 60, 4119-4129.	5.1	34
41	Fast surface integral equation formulations for large-scale conductors, metamaterials, and plasmonic problems. , 2012, , .		0
42	A compressed sensing approach for detection of explosive threats at standoff distances using a Passive Array of Scatters. , 2012, , .		11
43	Design of broadband nano-optical antennas with the surface method of moments. , 2012, , .		0
44	THREE-DIMENSIONAL WEDGE DIFFRACTION CORRECTION DEDUCED BY THE STATIONARY PHASE METHOD ON THE MODIFIED EQUIVALENT CURRENT APPROXIMATION (MECA). Progress in Electromagnetics Research M, 2012, 23, 207-227.	0.9	1
45	An approach for valid covariance estimation via the Fourier series. Environmental Earth Sciences, 2012, 66, 615-624.	2.7	1
46	A bifocal THz reflector antenna for imaging applications. , 2011, , .		0
47	A memory-hierarchy-based optimization of MECA (Modified Equivalent Current Approximation) for the analysis of electrically large dielectric and lossy structures. , 2010, , .		0
48	Active Safety Evaluation in Car-to-Car Networks. , 2010, , .		1
49	La participaci3n voluntaria en situaciones de emergencia. Papers, 2010, 95, 1157.	0.1	0
50	Analysis of Unicast Routing Protocols for VANETs. , 2009, , .		21
51	Reflector Antenna Analysis Using the Complex Equivalent Length Concept: Reciprocity and Coupling Between Feeds. IEEE Antennas and Propagation Magazine, 2009, 51, 88-96.	1.4	1
52	Shaped Solid Contour Beam Reflector Antennas That Adjust to Varying Operating Conditions With Just a Few Mechanical Actuators. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 839-842.	4.0	7
53	Asymptotic MFIE for optimizing dual reflectors pattern. , 2007, , .		0
54	A dual reflector antenna with adjustable subreflector for hybrid mechanical-electronic scanning. , 2006, , .		0

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55	A Shaped and Reconfigurable Reflector Antenna With Sectorial Beams for LMDS Base Station. IEEE Transactions on Antennas and Propagation, 2006, 54, 1346-1349.	5.1	20
56	Design and Analysis of an Adjustable Subreflector for the Hybrid Mechanical-Electronic Pointing System at the Satellite Q/V Band. , 2006, , .		6
57	ICARA: induced-current analysis of reflector antennas. IEEE Antennas and Propagation Magazine, 2005, 47, 92-100.	1.4	40
58	Visual inspection with acetic acid for cervical cancer screening outside of low-resource settings. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 2005, 17, 1-5.	1.1	39
59	Feed array design for a rotationally symmetric reflector antenna with sector beams. , 2004, , .		3
60	Optimal discrete-amplitude excitations for arrays feeding a parabolic antenna . receiving from off-axis satellites. IEEE Antennas and Propagation Magazine, 2003, 45, 186-191.	1.4	0
61	Broadband diversity patch antenna for DCS-UMTS indoor environments. , 2003, , .		0
62	Design of a reflector antenna with several sectorial beams for WLL base stations. , 2003, , .		4
63	A dual-satellite reflector antenna with shaped subreflectors. , 2003, , .		0
64	ANDERA: a software tool for the analysis and design of multi-fed and shaped reflector antennas. , 2003, , .		3
65	A single shaped-reflector antenna with wide-geostationary-arc field of view. Microwave and Optical Technology Letters, 2001, 28, 216-219.	1.4	2
66	Hybrid moment-method physical-optics formulation for modeling the electromagnetic behavior of on-board antennas. Microwave and Optical Technology Letters, 2000, 27, 88-93.	1.4	35
67	An omnidirectional dual-shaped reflector antenna. Microwave and Optical Technology Letters, 2000, 27, 371-374.	1.4	37
68	A ray-by-ray algorithm for shaping dual-offset reflector antennas. Microwave and Optical Technology Letters, 1997, 15, 20-26.	1.4	16
69	A hybrid GO-Gaussian ray beam. Microwave and Optical Technology Letters, 1997, 15, 278-282.	1.4	0
70	A shaped dual-reflector antenna with a tilting flat subreflector for scanning applications. IEEE Transactions on Antennas and Propagation, 1995, 43, 1022-1028.	5.1	10
71	S/X-band beam waveguide for the Onsala radio telescope. , 0, , .		1
72	Antennas feasibility study for a LMDS communication system. , 0, , .		2

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73	Reflector antenna solutions for multisatellite DBS reception. , 0, , .		2