

# Fernando Las-Heras

## List of Publications by Year in descending order

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405  
papers

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citations

101543  
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406  
docs citations

406  
times ranked

2943  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction of Equivalent Currents Distribution Over Arbitrary Three-Dimensional Surfaces Based on Integral Equation Algorithms. IEEE Transactions on Antennas and Propagation, 2007, 55, 3460-3468.	5.1	185
2	Synthetic Aperture Radar Imaging System for Landmine Detection Using a Ground Penetrating Radar on Board a Unmanned Aerial Vehicle. IEEE Access, 2018, 6, 45100-45112.	4.2	117
3	A direct optimization approach for source reconstruction and NF-FF transformation using amplitude-only data. IEEE Transactions on Antennas and Propagation, 2002, 50, 500-510.	5.1	113
4	A NOVEL APPROACH FOR RCS REDUCTION USING A COMBINATION OF ARTIFICIAL MAGNETIC CONDUCTORS. Progress in Electromagnetics Research, 2010, 107, 147-159.	4.4	91
5	Antenna Diagnostics and Characterization Using Unmanned Aerial Vehicles. IEEE Access, 2017, 5, 23563-23575.	4.2	88
6	94 GHz Dual-Reflector Antenna With Reflectarray Subreflector. IEEE Transactions on Antennas and Propagation, 2009, 57, 3043-3050.	5.1	81
7	Echo identification and cancellation techniques for antenna measurement in non-anechoic test sites. IEEE Antennas and Propagation Magazine, 2004, 46, 100-107.	1.4	69
8	An Improved Super-Resolution Source Reconstruction Method. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3855-3866.	4.7	67
9	Improving Security Screening: A Comparison of Multistatic Radar Configurations for Human Body Imaging. IEEE Antennas and Propagation Magazine, 2016, 58, 35-47.	1.4	66
10	On the Use of Unmanned Aerial Vehicles for Antenna and Coverage Diagnostics in Mobile Networks. IEEE Communications Magazine, 2018, 56, 72-78.	6.1	64
11	Evaluating near-field radiation patterns of commercial antennas. IEEE Transactions on Antennas and Propagation, 2006, 54, 2198-2207.	5.1	61
12	Solution of Electrically Large Problems With Multilevel Characteristic Basis Functions. IEEE Transactions on Antennas and Propagation, 2009, 57, 3189-3198.	5.1	57
13	Design of Planar Artificial Magnetic Conductor Ground Plane Using Frequency-Selective Surfaces for Frequencies Below 1 GHz. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 951-954.	4.0	57
14	RFID Technology for Management and Tracking: e-Health Applications. Sensors, 2018, 18, 2663.	3.8	56
15	Fourier-Based Imaging for Multistatic Radar Systems. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1798-1810.	4.6	55
16	The Sources Reconstruction Method for Amplitude-Only Field Measurements. IEEE Transactions on Antennas and Propagation, 2010, 58, 2776-2781.	5.1	54
17	Wave Scattering by Dielectric and Lossy Materials Using the Modified Equivalent Current Approximation (MECA). IEEE Transactions on Antennas and Propagation, 2010, 58, 3757-3761.	5.1	51
18	Sparse Array Optimization Using Simulated Annealing and Compressed Sensing for Near-Field Millimeter Wave Imaging. IEEE Transactions on Antennas and Propagation, 2014, 62, 1716-1722.	5.1	50

#	ARTICLE	IF	CITATIONS
19	EMI Radiated Noise Measurement System Using the Source Reconstruction Technique. IEEE Transactions on Industrial Electronics, 2008, 55, 3258-3265.	7.9	49
20	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.	5.1	48
21	Autonomous Airborne 3D SAR Imaging System for Subsurface Sensing: UWB-GPR on Board a UAV for Landmine and IED Detection. Remote Sensing, 2019, 11, 2357.	4.0	44
22	MILLIMETER WAVE MICROSTRIP MIXER BASED ON GRAPHENE. Progress in Electromagnetics Research, 2011, 118, 57-69.	4.4	42
23	3D Whole Body Imaging for Detecting Explosive-Related Threats. IEEE Transactions on Antennas and Propagation, 2012, 60, 4453-4458.	5.1	42
24	Submillimeter-Wave Frequency Scanning System for Imaging Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 5689-5696.	5.1	42
25	Novel Miniaturized Artificial Magnetic Conductor. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 174-177.	4.0	42
26	Novel SHF-Band Uniplanar Artificial Magnetic Conductor. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 44-47.	4.0	41
27	Near Field Characterization of an Imaging System Based on a Frequency Scanning Antenna Array. IEEE Transactions on Antennas and Propagation, 2013, 61, 2874-2879.	5.1	41
28	Phaseless Synthetic Aperture Radar With Efficient Sampling for Broadband Near-Field Imaging: Theory and Validation. IEEE Transactions on Antennas and Propagation, 2015, 63, 573-584.	5.1	41
29	Novel Broadband Artificial Magnetic Conductor With Hexagonal Unit Cell. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 615-618.	4.0	40
30	Microstrip Patch Antenna Bandwidth Enhancement Using AMC/EBG Structures. International Journal of Antennas and Propagation, 2012, 2012, 1-6.	1.2	39
31	On the Use of the Source Reconstruction Method for Estimating Radiated EMI in Electronic Circuits. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 3174-3183.	4.7	38
32	Polypropylene-Based Dual-Band CPW-Fed Monopole Antenna [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2013, 55, 264-273.	1.4	38
33	Millimeter Wave Imaging Architecture for On-The-Move Whole Body Imaging. IEEE Transactions on Antennas and Propagation, 2016, 64, 2328-2338.	5.1	38
34	ZigBee-based Sensor Network for Indoor Location and Tracking Applications. IEEE Latin America Transactions, 2016, 14, 3208-3214.	1.6	37
35	A received signal strength RFID-based indoor location system. Sensors and Actuators A: Physical, 2017, 255, 118-133.	4.1	37
36	Airborne Multi-Channel Ground Penetrating Radar for Improvised Explosive Devices and Landmine Detection. IEEE Access, 2020, 8, 165927-165943.	4.2	37

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37	Ball Grid Array Module With Integrated Shaped Lens for 5G Backhaul/Fronthaul Communications in F-Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 6380-6394.	5.1	36
38	Fast and Accurate Modeling of Dual-Polarized Reflectarray Unit Cells Using Support Vector Machines. IEEE Transactions on Antennas and Propagation, 2018, 66, 1258-1270.	5.1	36
39	Freehand, Agile, and High-Resolution Imaging With Compact mm-Wave Radar. IEEE Access, 2019, 7, 95516-95526.	4.2	35
40	SUB-MILLIMETER WAVE FREQUENCY SCANNING 8 x 1 ANTENNA ARRAY. Progress in Electromagnetics Research, 2012, 132, 215-232.	4.4	34
41	UHF Dipole-AMC Combination for RFID Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1041-1044.	4.0	34
42	On the Use of Compressed Sensing Techniques for Improving Multistatic Millimeter-Wave Portal-Based Personnel Screening. IEEE Transactions on Antennas and Propagation, 2014, 62, 494-499.	5.1	34
43	Near field multifocusing on antenna arrays via non-convex optimisation. IET Microwaves, Antennas and Propagation, 2014, 8, 754-764.	1.4	34
44	Angular Stability of Metasurfaces: Challenges Regarding Reflectivity Measurements [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2016, 58, 74-81.	1.4	33
45	Neural Modeling of Mutual Coupling for Antenna Array Synthesis. IEEE Transactions on Antennas and Propagation, 2007, 55, 832-840.	5.1	31
46	Improvement of GPR SAR-Based Techniques for Accurate Detection and Imaging of Buried Objects. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3126-3138.	4.7	31
47	Radial field retrieval in spherical scanning for current reconstruction and NF-FF transformation. IEEE Transactions on Antennas and Propagation, 2002, 50, 866-874.	5.1	30
48	Fourier-Based Imaging for Subsampled Multistatic Arrays. IEEE Transactions on Antennas and Propagation, 2016, 64, 2557-2562.	5.1	29
49	Accurate analysis of printed reflectarrays considering the near field of the primary feed. IET Microwaves, Antennas and Propagation, 2009, 3, 187.	1.4	28
50	ON THE INFLUENCE OF COUPLING AMC RESONANCES FOR RCS REDUCTION IN THE SHF BAND. Progress in Electromagnetics Research, 2011, 117, 103-119.	4.4	28
51	Phaseless Characterization of Broadband Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 484-495.	5.1	28
52	Multiview three-dimensional reconstruction by millimetre-wave portable camera. Scientific Reports, 2017, 7, 6479.	3.3	28
53	Nonlinear optimization tools for the design of microwave high-conversion gain harmonic self-oscillating mixers. IEEE Microwave and Wireless Components Letters, 2006, 16, 16-18.	3.2	27
54	Geometry Reconstruction of Metallic Bodies Using the Sources Reconstruction Method. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1197-1200.	4.0	26

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55	Novel Bow-tie“AMC Combination for 5.8-GHz RFID Tags Usable With Metallic Objects. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1217-1220.	4.0	26
56	Millimeter and submillimeter planar measurement setup. , 2013, , .		26
57	A Thin C-Band Polarization and Incidence Angle-Insensitive Metamaterial Perfect Absorber. Materials, 2015, 8, 1666-1681.	2.9	26
58	On the advantages of loop-based unit-cell“™s metallization regarding the angular stability of artificial magnetic conductors. Applied Physics A: Materials Science and Processing, 2015, 118, 699-708.	2.3	26
59	Three-Dimensional Compressed Sensing-Based Millimeter-Wave Imaging. IEEE Transactions on Antennas and Propagation, 2015, 63, 5868-5873.	5.1	26
60	Synthesis of Passive-dipole Arrays with a Genetic-neural Hybrid Method. Journal of Electromagnetic Waves and Applications, 2006, 20, 2123-2135.	1.6	25
61	Non Uniform-Antenna Array Synthesis Using Neural Networks. Journal of Electromagnetic Waves and Applications, 2007, 21, 1001-1011.	1.6	25
62	Phaseless Antenna Diagnostics Based on Off-Axis Holography With Synthetic Reference Wave. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 43-46.	4.0	25
63	MICROSTRIP ANTENNA DESIGN BASED ON STACKED PATCHES FOR RECONFIGURABLE TWO DIMENSIONAL PLANAR ARRAY TOPOLOGIES. Progress in Electromagnetics Research, 2009, 97, 95-104.	4.4	24
64	Planar Artificial Magnetic Conductor: Design and Characterization Setup in the RFID SHF Band. Journal of Electromagnetic Waves and Applications, 2009, 23, 1467-1478.	1.6	24
65	Microwave Frequency Tripler Based on a Microstrip Gap with Graphene. Journal of Electromagnetic Waves and Applications, 2011, 25, 1921-1929.	1.6	24
66	Evaluation of an RSS-based indoor location system. Sensors and Actuators A: Physical, 2011, 167, 110-116.	4.1	24
67	On the Comparison Between the Spherical Wave Expansion and the Sources Reconstruction Method. IEEE Transactions on Antennas and Propagation, 2008, 56, 3337-3341.	5.1	23
68	Design and analysis of a microwave large-range variable phase-shifter based on an injection-locked harmonic self-oscillating mixer. IEEE Microwave and Wireless Components Letters, 2006, 16, 342-344.	3.2	22
69	An Inverse Fast Multipole Method for Imaging Applications. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1259-1262.	4.0	22
70	Novel bow-tie antenna on artificial magnetic conductor for 5.8“GHz radio frequency identification tags usable with metallic objects. IET Microwaves, Antennas and Propagation, 2011, 5, 1097.	1.4	22
71	Design of antenna arrays for near-field focusing requirements using optimisation. Electronics Letters, 2012, 48, 1323.	1.0	22
72	FREQUENCY SCANNING BASED RADAR SYSTEM. Progress in Electromagnetics Research, 2012, 132, 275-296.	4.4	22

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73	MILLIMETER WAVE SUBHARMONIC MIXER IMPLEMENTATION USING GRAPHENE FILM COATING. Progress in Electromagnetics Research, 2013, 140, 781-794.	4.4	22
74	Dual-band coplanar waveguide-fed smiling monopole antenna for WiFi and 4G long-term evolution applications. IET Microwaves, Antennas and Propagation, 2013, 7, 777-782.	1.4	21
75	FAST METHODS FOR EVALUATING THE ELECTRIC FIELD LEVEL IN 2D-INDOOR ENVIRONMENTS. Progress in Electromagnetics Research, 2007, 69, 247-255.	4.4	20
76	RCS Measurement Setup for Periodic-Structure Prototype Characterization. IEEE Antennas and Propagation Magazine, 2010, 52, 100-106.	1.4	20
77	Complex Reflection Coefficient Synthesis Applied to Dual-Polarized Reflectarrays With Cross-Polar Requirements. IEEE Transactions on Antennas and Propagation, 2015, 63, 3897-3907.	5.1	20
78	RADIATION PATTERN RETRIEVAL IN NON-ANECHOIC CHAMBERS USING THE MATRIX PENCIL ALGORITHM. Progress in Electromagnetics Research Letters, 2009, 9, 119-127.	0.7	19
79	An Inverse Fast Multipole Method for Geometry Reconstruction Using Scattered Field Information. IEEE Transactions on Antennas and Propagation, 2012, 60, 3351-3360.	5.1	19
80	A Simple Model for Analyzing Transmitarray Lenses. IEEE Antennas and Propagation Magazine, 2015, 57, 131-144.	1.4	19
81	Broadband Flexible Fully Textile-Integrated Bandstop Frequency Selective Surface. IEEE Transactions on Antennas and Propagation, 2018, 66, 5291-5299.	5.1	19
82	Unmanned Aerial Vehicle-Based Ground-Penetrating Radar Systems: A review. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 66-86.	9.6	19
83	Acceleration of the sources reconstruction method via the fast multipole method. , 2008, , .		18
84	A Six-Fold Symmetric Metamaterial Absorber. Materials, 2015, 8, 1590-1603.	2.9	18
85	Design, Manufacture, and Measurement of a Low-Cost Reflectarray for Global Earth Coverage. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1418-1421.	4.0	18
86	Inverse Scattering for Monochromatic Phaseless Measurements. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 45-60.	4.7	18
87	Improved Reflectarray Phase-Only Synthesis Using the Generalized Intersection Approach with Dielectric Frame and First Principle of Equivalence. International Journal of Antennas and Propagation, 2017, 2017, 1-11.	1.2	18
88	Far-field performance of linear antennas determined from near-field data. IEEE Transactions on Antennas and Propagation, 2002, 50, 408-410.	5.1	17
89	Measurement of Low-Gain Antennas in Non-Anechoic Test Sites through Wideband Channel Characterization and Echo Cancellation [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2009, 51, 128-135.	1.4	17
90	FLEXIBLE UNIPLANAR ARTIFICIAL MAGNETIC CONDUCTOR. Progress in Electromagnetics Research, 2010, 106, 349-362.	4.4	17

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91	Enhancing patch antenna bandwidth by means of uniplanar EBG&Aacute;AMC. Microwave and Optical Technology Letters, 2011, 53, 1372-1377.	1.4	17
92	Dual-Band Uniplanar CPW-Fed Monopole/EBG Combination With Bandwidth Enhancement. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 365-368.	4.0	17
93	SAR PROCESSING FOR PROFILE RECONSTRUCTION AND CHARACTERIZATION OF DIELECTRIC OBJECTS ON THE HUMAN BODY SURFACE. Progress in Electromagnetics Research, 2013, 138, 269-282.	4.4	17
94	Portable and Easily-Deployable Air-Launched GPR Scanner. Remote Sensing, 2020, 12, 1833.	4.0	17
95	Near Field to Far Field Transformation Using Neural Networks and Source Reconstruction. Journal of Electromagnetic Waves and Applications, 2006, 20, 2201-2213.	1.6	16
96	Multiple Support Vector Regression for Antenna Array Characterization and Synthesis. IEEE Transactions on Antennas and Propagation, 2007, 55, 2495-2501.	5.1	16
97	Submillimeter Wavelength 2-D Frequency Scanning Antenna Based on Slotted Waveguides Fed Through a Phase Shifting Network. IEEE Transactions on Antennas and Propagation, 2017, 65, 3501-3509.	5.1	16
98	Multistatic Millimeter-Wave Imaging by Multiview Portable Camera. IEEE Access, 2017, 5, 19259-19268.	4.2	16
99	On the Techniques to Develop Millimeter-Wave Textile Integrated Waveguides Using Rigid Warp Threads. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 751-761.	4.6	16
100	Multiview mm-Wave Imaging With Augmented Depth Camera Information. IEEE Access, 2018, 6, 16869-16877.	4.2	16
101	Real-Time Multiview SAR Imaging Using a Portable Microwave Camera With Arbitrary Movement. IEEE Transactions on Antennas and Propagation, 2018, 66, 7305-7314.	5.1	16
102	Bistatic Landmine and IED Detection Combining Vehicle and Drone Mounted GPR Sensors. Remote Sensing, 2019, 11, 2299.	4.0	16
103	Paving the Way for Suitable Metasurfaces&Aacute;TM Measurements Under Oblique Incidence: Mono-/Bistatic and Near-/Far-Field Concerns. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1737-1744.	4.7	16
104	Towards Turning Smartphones Into mmWave Scanners. IEEE Access, 2021, 9, 45147-45154.	4.2	16
105	Sequential reconstruction of equivalent currents from cylindrical near field. Electronics Letters, 1999, 35, 211.	1.0	15
106	Support vector regression for the design of array antennas. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 414-416.	4.0	15
107	High-accuracy neural-network-based array synthesis including element coupling. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 45-48.	4.0	15
108	Realistic Antenna Array Synthesis in Complex Environments Using a MOM-SVR Approach. Journal of Electromagnetic Waves and Applications, 2009, 23, 97-108.	1.6	15



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109	Phaseless Antenna Measurement on Non-Redundant Sample Points Via Leith-Upatnieks Holography. IEEE Transactions on Antennas and Propagation, 2013, 61, 4036-4044.	5.1	15
110	SAR imaging-based techniques for Low Permittivity Lossless Dielectric Bodies Characterization. IEEE Antennas and Propagation Magazine, 2015, 57, 267-276.	1.4	15
111	Nonlinear Optimization of Wide-Band Harmonic Self-Oscillating Mixers. IEEE Microwave and Wireless Components Letters, 2008, 18, 347-349.	3.2	14
112	ON THE COMPARISON OF THE SPHERICAL WAVE EXPANSION-TO-PLANE WAVE EXPANSION AND THE SOURCES RECONSTRUCTION METHOD FOR ANTENNA DIAGNOSTICS. Progress in Electromagnetics Research, 2008, 87, 245-262.	4.4	14
113	Parallelized multilevel characteristic basis function method for solving electromagnetic scattering problems. Microwave and Optical Technology Letters, 2009, 51, 2963-2969.	1.4	14
114	Generation of Excitation-Independent Characteristic Basis Functions for Three-Dimensional Homogeneous Dielectric Bodies. IEEE Transactions on Antennas and Propagation, 2011, 59, 3318-3327.	5.1	14
115	ON THE USE OF IMPROVED IMAGING TECHNIQUES FOR THE DEVELOPMENT OF A MULTISTATIC THREE-DIMENSIONAL MILLIMETER-WAVE PORTAL FOR PERSONNEL SCREENING. Progress in Electromagnetics Research, 2013, 138, 83-98.	4.4	14
116	An Efficient Calculation of the Far Field Radiated by Non-Uniformly Sampled Planar Fields Complying Nyquist Theorem. IEEE Transactions on Antennas and Propagation, 2015, 63, 862-865.	5.1	14
117	High-Order Subharmonic Millimeter-Wave Mixer Based on Few-Layer Graphene. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1361-1369.	4.6	14
118	Acceleration of Gradient-Based Algorithms for Array Antenna Synthesis With Far-Field or Near-Field Constraints. IEEE Transactions on Antennas and Propagation, 2018, 66, 5239-5248.	5.1	14
119	Zirconia-Based Ultra-Thin Compact Flexible CPW-Fed Slot Antenna for IoT. Sensors, 2019, 19, 3134.	3.8	14
120	Glucocorticoids Decrease Longitudinal Bone Growth in Pediatric Kidney Transplant Recipients by Stimulating the FGF23/FGFR3 Signaling Pathway. Journal of Bone and Mineral Research, 2019, 34, 1851-1861.	2.8	14
121	Unmanned aerial system for antenna measurement and diagnosis: evaluation and testing. IET Microwaves, Antennas and Propagation, 2019, 13, 2224-2231.	1.4	14
122	SAR-based technique for soil permittivity estimation. International Journal of Remote Sensing, 2017, 38, 5168-5185.	2.9	14
123	Analysis of Partial Modifications on Electrically Large Bodies via Characteristic Basis Functions. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 834-837.	4.0	13
124	Novel Received Signal Strength-Based Indoor Location System: Development and Testing. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	13
125	Dual-band textile hexagonal artificial magnetic conductor for WiFi wearable applications. , 2012, , .		13
126	EXPERIMENTAL VALIDATION OF LINEAR APERIODIC ARRAY FOR GRATING LOBE SUPPRESSION. Progress in Electromagnetics Research C, 2012, 26, 193-203.	0.9	13



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127	Inverse Fast Multipole Method for Monostatic Imaging Applications. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1239-1243.	3.1	13
128	Dual polarized transmitarray lens. , 2014, , .		13
129	Experimental analysis of the high-order harmonic components generation in few-layer graphene. Applied Physics A: Materials Science and Processing, 2015, 118, 83-89.	2.3	13
130	LAYER-TO-LAYER ANGLE INTERLOCK 3D WOVEN BANDSTOP FREQUENCY SELECTIVE SURFACE. Progress in Electromagnetics Research, 2018, 162, 81-94.	4.4	13
131	Neural networks and equivalent source reconstruction for real antenna array synthesis. Electronics Letters, 2003, 39, 956.	1.0	12
132	Frequency scanning probe for microwave imaging. , 2010, , .		12
133	Support vector regression for near-field multifocused antenna arrays considering mutual coupling. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2016, 29, 146-156.	1.9	12
134	SVD-Based clutter removal technique for gpr. , 2017, , .		12
135	3D location system based on attitude estimation with RFID technology. , 2017, , .		12
136	Fully Textile-Integrated Microstrip-Fed Slot Antenna for Dedicated Short-Range Communications. IEEE Transactions on Antennas and Propagation, 2018, 66, 2262-2270.	5.1	12
137	GPR system onboard a UAV for non-invasive detection of buried objects. , 2018, , .		12
138	Paving the Way to Eco-Friendly IoT Antennas: Tencel-Based Ultra-Thin Compact Monopole and Its Applications to ZigBee. Sensors, 2020, 20, 3658.	3.8	12
139	Freehand mm-Wave Imaging With a Compact MIMO Radar. IEEE Transactions on Antennas and Propagation, 2021, 69, 1224-1229.	5.1	12
140	Freehand System for Antenna Diagnosis Based on Amplitude-Only Data. IEEE Transactions on Antennas and Propagation, 2021, 69, 4988-4998.	5.1	12
141	Improvements in GPR-SAR imaging focusing and detection capabilities of UAV-mounted GPR systems. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 189, 128-142.	11.1	12
142	Full-wave method for RF sources location. , 2007, , .		11
143	MULTI-HARMONIC DC-BIAS NETWORK BASED ON ARBITRARILY WIDTH MODULATED MICROSTRIP LINE. Progress in Electromagnetics Research Letters, 2009, 11, 119-128.	0.7	11
144	On the convergence of the ACA. Microwave and Optical Technology Letters, 2009, 51, 2458-2460.	1.4	11

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145	CHARACTERIZATION OF ANTENNA INTERACTION WITH SCATTERERS BY MEANS OF EQUIVALENT CURRENTS. Progress in Electromagnetics Research, 2011, 116, 185-202.	4.4	11
146	Comparison of different structures for transmitarray cells. Microwave and Optical Technology Letters, 2013, 55, 1295-1299.	1.4	11
147	Substrate Integrated Waveguides Structures Using Frequency Selective Surfaces Operating in Stop-Band (SBFSS-SIW). IEEE Microwave and Wireless Components Letters, 2016, 26, 113-115.	3.2	11
148	Full 2-D Submillimeter-Wave Frequency Scanning Array. IEEE Transactions on Antennas and Propagation, 2017, 65, 4486-4494.	5.1	11
149	On the Development of a Novel Mixed Embroidered-Woven Slot Antenna for Wireless Applications. IEEE Access, 2019, 7, 9476-9489.	4.2	11
150	Portable Freehand System for Real-Time Antenna Diagnosis and Characterization. IEEE Transactions on Antennas and Propagation, 2020, 68, 5636-5645.	5.1	11
151	Equivalent source modelling and reconstruction for antenna measurement and synthesis. , 0, , .		10
152	Radiated noise measurement system to estimate the EMI regulations compliance of a power electronic circuit. , 2007, , .		10
153	Antenna Diagnostics Using Arbitrary-Geometry Field Acquisition Domains. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 375-378.	4.0	10
154	Acoustic scattering solver based on single level FMM for multi-GPU systems. Journal of Parallel and Distributed Computing, 2012, 72, 1057-1064.	4.1	10
155	FAST ANTENNA CHARACTERIZATION USING THE SOURCES RECONSTRUCTION METHOD ON GRAPHICS PROCESSORS. Progress in Electromagnetics Research, 2012, 126, 185-201.	4.4	10
156	Dual-Probe Near-Field Phaseless Antenna Measurement System on Board a UAV. Sensors, 2019, 19, 4663.	3.8	10
157	Development of an Airborne-Based GPR System for Landmine and IED Detection: Antenna Analysis and Intercomparison. IEEE Access, 2021, 9, 127382-127396.	4.2	10
158	Radial field retrieval for current reconstruction from spherical acquisition. Electronics Letters, 2000, 36, 867.	1.0	9
159	Inverse scattering with phase retrieval based on indirect holography via synthesised plane-waves. IET Microwaves, Antennas and Propagation, 2012, 6, 1389.	1.4	9
160	Evaluation of the quiet zone generated by a reflectarray antenna. , 2012, , .		9
161	Measurement Setup for Imaging Applications Using Frequency Scanning Illumination. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 3014-3023.	4.7	9
162	An Improved SAR Based Technique for Accurate Profile Reconstruction. IEEE Transactions on Antennas and Propagation, 2013, 61, 1490-1495.	5.1	9

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163	MILLIMETER-WAVE OFFSET FRESNEL ZONE PLATE LENSES CHARACTERIZATION. Progress in Electromagnetics Research C, 2014, 54, 125-131.	0.9	9
164	Near field synthesis of reflectarrays using intersection approach. , 2017, , .		9
165	AMC's Angular Stability Improvement Through the Introduction of Lumped Components. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 813-816.	4.0	9
166	Preparation of a CubeSat LEO radio wave propagation campaign at Q and W bands. International Journal of Satellite Communications and Networking, 2022, 40, 39-47.	1.8	9
167	Probe-distortion correction for the sources reconstruction method. IEEE Antennas and Propagation Magazine, 2008, 50, 117-124.	1.4	8
168	SYNTHESIS OF PHASED ARRAYS IN COMPLEX ENVIRONMENTS WITH THE MULTILEVEL CHARACTERISTIC BASIS FUNCTION METHOD. Progress in Electromagnetics Research, 2009, 92, 347-360.	4.4	8
169	Receiving Phased Antenna Array Based on Injection-Locked Harmonic Self-Oscillating Mixers. IEEE Transactions on Antennas and Propagation, 2009, 57, 645-651.	5.1	8
170	OPTIMIZATION OF THE SYNCHRONIZATION BANDWIDTH OF RATIONALLY SYNCHRONIZED OSCILLATORS BASED ON BIFURCATION CONTROL. Progress in Electromagnetics Research, 2011, 119, 299-313.	4.4	8
171	Bifocal antenna based on dual-reflectarray dual-offset configuration. , 2012, , .		8
172	Systematic Framework for Reflectarray Synthesis Based on Phase Optimization. International Journal of Antennas and Propagation, 2012, 2012, 1-9.	1.2	8
173	NON LINEAR OPTIMIZATION TECHNIQUE FOR THE REDUCTION OF THE FREQUENCY SCANNING EFFECT IN A PHASED ARRAY BASED ON BROADBAND INJECTION-LOCKED THIRD HARMONIC SELF-OSCILLATING MIXERS. Progress in Electromagnetics Research, 2012, 127, 479-499.	4.4	8
174	A novel phaseless frequency scanning based on indirect holography. Journal of Electromagnetic Waves and Applications, 2013, 27, 430-438.	1.6	8
175	Interferometric Technique With Nonredundant Sampling for Phaseless Inverse Scattering. IEEE Transactions on Antennas and Propagation, 2014, 62, 739-746.	5.1	8
176	Broadband Synthetic Aperture Scanning System for Three-Dimensional Through-the-Wall Inspection. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 97-101.	3.1	8
177	International facility comparison campaign at L/C band frequencies. , 2017, , .		8
178	A Synthetic Aperture Radar (SAR)-Based Technique for Microwave Imaging and Material Characterization. Electronics (Switzerland), 2018, 7, 373.	3.1	8
179	Obstacle Modeling in Array Synthesis Using Neural Networks. IEEE Transactions on Antennas and Propagation, 2006, 54, 2420-2424.	5.1	7
180	Probe distortion correction in near field - far field transformations based on equivalent sources characterization. , 2006, , .		7

#	ARTICLE	IF	CITATIONS
181	Harmonic Optimization of Rationally Synchronized Oscillators. IEEE Microwave and Wireless Components Letters, 2009, 19, 317-319.	3.2	7
182	EFFICIENT DETERMINATION OF THE NEAR-FIELD IN THE VICINITY OF AN ANTENNA FOR THE ESTIMATION OF ITS SAFETY PERIMETER. Progress in Electromagnetics Research, 2010, 103, 371-391.	4.4	7
183	High Frequency Techniques: the Physical Optics Approximation and the Modified Equivalent Current Approximation (MECA). , 0, , .		7
184	DESIGN AND ANALYSIS OF A MULTI-CARRIER TX-RX SYSTEM BASED ON RATIONALLY SYNCHRONIZED OSCILLATORS FOR LOCALIZATION APPLICATIONS. Progress in Electromagnetics Research, 2011, 120, 1-16.	4.4	7
185	A Compact Band-Pass Filter with High Selectivity and Second Harmonic Suppression. Materials, 2013, 6, 5613-5624.	2.9	7
186	Millimetre wave textile integrated waveguide beamforming antenna for radar applications. , 2015, , .		7
187	An Ultra-Thin 2-bit Near-Field Transmitarray Lens. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1.	4.0	7
188	Attitude Estimation Based on Arrays of Passive RFID Tags. IEEE Transactions on Antennas and Propagation, 2018, 66, 2534-2544.	5.1	7
189	UAV-mounted GPR for NDT applications. , 2018, , .		7
190	A Portable Cost-Effective Amplitude and Phase Antenna Measurement System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7240-7251.	4.7	7
191	System Based on Compact mmWave Radar and Natural Body Movement for Assisting Visually Impaired People. IEEE Access, 2021, 9, 125042-125051.	4.2	7
192	Real-Time Tracking System Based on RFID to Prevent Workerâ€™Vehicle Accidents. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1794-1798.	4.0	7
193	Design and measurement of low-cost sector pattern antennas. IET Microwaves Antennas and Propagation, 2000, 147, 407.	1.2	6
194	Improvement of the sources reconstruction techniques: analysis of the SVD algorithm and the RWG basis functions. , 2007, , .		6
195	Receiving Polarization Agile Active Antenna Based on Injection Locked Harmonic Self Oscillating Mixers. IEEE Transactions on Antennas and Propagation, 2010, 58, 683-689.	5.1	6
196	Optimization framework on antenna arrays for near field multifocusing. , 2012, , .		6
197	Novel Flexible Artificial Magnetic Conductor. International Journal of Antennas and Propagation, 2012, 2012, 1-7.	1.2	6
198	The Sources Reconstruction Method for Antenna Diagnostics and Imaging Applications. , 0, , .		6

#	ARTICLE	IF	CITATIONS
199	Frequency Scanning Array Composed of Antipodal Linearly Tapered Slot Antennas. Journal of Electromagnetic Waves and Applications, 2012, 26, 468-479.	1.6	6
200	Parallelization of the FMM on distributed-memory GPGPU systems for acoustic-scattering prediction. Journal of Supercomputing, 2013, 64, 17-27.	3.6	6
201	GENERAL NEAR FIELD SYNTHESIS OF REFLECTARRAY ANTENNAS FOR THEIR USE AS PROBES IN CATR. Progress in Electromagnetics Research, 2017, 160, 9-17.	4.4	6
202	Scalar Calibration for Broadband Phaseless Antenna Measurements Based on Indirect Off-Axis Holography. IEEE Transactions on Antennas and Propagation, 2018, 66, 3241-3246.	5.1	6
203	Multifunctional Fully Textile-Integrated RFID Tag to Revolutionize the Internet of Things in Clothing [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2019, 61, 104-110.	1.4	6
204	Submillimeter Wave High Order Frequency Multiplier Based on Graphene. IEEE Access, 2019, 7, 26933-26940.	4.2	6
205	Array of Antennas for a GPR system onboard a UAV. , 2019, , .		6
206	From Threads to Smart Textile: Parametric Characterization and Electromagnetic Analysis of Woven Structures. IEEE Access, 2019, 7, 1486-1501.	4.2	6
207	A Portable Electromagnetic System Based on mm-Wave Radars and GNSS-RTK Solutions for 3D Scanning of Large Material Piles. Sensors, 2021, 21, 757.	3.8	6
208	Defected Ground Structure for Coupling Reduction between Probe Fed Microstrip Antenna Elements. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2010, 6, 542-546.	0.4	6
209	3D-SAR Processing of UAV-mounted GPR Measurements: Dealing with Non-Uniform Sampling. , 2020, , .		6
210	Novel polarization agile microstrip antenna. , 2008, , .		5
211	Reconstruction of Antenna Radiation Patterns From Phaseless Measurements in Nonanechoic Chambers. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1282-1285.	4.0	5
212	Novel uniplanar flexible Artificial Magnetic Conductor. Applied Physics A: Materials Science and Processing, 2012, 109, 1031-1035.	2.3	5
213	Phase optimization for near field focus on simultaneous targets using antenna arrays. , 2012, , .		5
214	On the bandwidth enhancement of patch antenna using EBG/AMC structures. , 2012, , .		5
215	NEW NON-LINEAR APPROACH FOR THE EVALUATION OF THE LINEARITY OF HIGH GAIN HARMONIC SELF OSCILLATING MIXERS. Progress in Electromagnetics Research, 2012, 126, 149-168.	4.4	5
216	Frequency scanning slotted waveguide in the sub-millimeter wave band. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
217	Novel parametric electromagnetic modelling to simulate Textile Integrated Circuits. , 2017, , .		5
218	Graphene Based THz Electromagnetic Imaging System for the Analysis of Artworks. IEEE Access, 2018, 6, 66459-66467.	4.2	5
219	UAV-based antenna measurement and diagnostics for circularly polarized antenna arrays. , 2018, , .		5
220	Analysis and Validation of a Hybrid Forward-Looking Down-Looking Ground Penetrating Radar Architecture. Remote Sensing, 2021, 13, 1206.	4.0	5
221	Low-cost printed collinear array antenna. IEEE Antennas and Propagation Magazine, 2001, 43, 23-30.	1.4	4
222	Circular scanning and equivalent magnetic currents for main plane near-field to far-field transformation. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2002, 15, 329-338.	1.9	4
223	Neural network-based pattern synthesis of array antennas with element specification. , 2004, , .		4
224	Domain decomposition technique based on equivalent currents for moments method. Microwave and Optical Technology Letters, 2008, 50, 172-176.	1.4	4
225	Application of source reconstruction techniques and NF-FF transformations to estimate the EMI regulation compliance of a power electronic circuit. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	4
226	On the sources reconstruction method application for array and aperture antennas diagnostics. Microwave and Optical Technology Letters, 2009, 51, 1664-1668.	1.4	4
227	Full-wave-based location system method evaluation. , 2009, , .		4
228	POBSP-2D: A Simulator to Improve Understanding of Electromagnetic Indoor Propagation. IEEE Antennas and Propagation Magazine, 2010, 52, 155-160.	1.4	4
229	Convergence of certain class of enhanced spatial domain decompositions. Microwave and Optical Technology Letters, 2011, 53, 2388-2393.	1.4	4
230	Sparse deconvolution based on regularisation for echo correction in antenna measurement. IET Microwaves, Antennas and Propagation, 2012, 6, 1299.	1.4	4
231	Phase Error Compensation in Imaging Systems Using Compressed Sensing Techniques. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1574-1577.	4.0	4
232	A Modified Phaseless Inverse Scattering Setup Based on Indirect Holography Implemented at Submillimeter-Wave Band. IEEE Transactions on Antennas and Propagation, 2013, 61, 4876-4881.	5.1	4
233	Millimetre wave subharmonic mixer based on graphene. , 2014, , .		4
234	Millimetre wave transmitter based on a few-layer graphene frequency multiplier. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
235	Scalar Calibration for Broadband Synthetic Aperture Radar Operating with Amplitude-Only Data. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1714-1717.	4.0	4
236	Reflectarray antenna with reduced crosspolar radiation pattern. , 2016, , .		4
237	Nearfield-based array design for a realistic on-the-move personnel inspection system. , 2017, , .		4
238	Multiview techniques for mm-wave imaging. , 2017, , .		4
239	Phase acquisition techniques for RFID multistatic setups. Sensors and Actuators A: Physical, 2018, 270, 97-107.	4.1	4
240	THREE-DIMENSIONAL FULLY INTERLACED WOVEN MICROSTRIP-FED SUBSTRATE INTEGRATED WAVEGUIDE. Progress in Electromagnetics Research, 2018, 163, 25-38.	4.4	4
241	330-500 GHz Graphene-Based Single-Stage High-Order Subharmonic Mixer. IEEE Access, 2019, 7, 113151-113160.	4.2	4
242	Design of Non-Uniform Antenna Arrays for Improved Near-Field MultiFocusing. Sensors, 2019, 19, 645.	3.8	4
243	On the Design of Broadband Hybrid Amplifiers Using Non-Uniform Transmission Lines as Impedance Matching Networks. IEEE Access, 2019, 7, 19670-19677.	4.2	4
244	On the Broadening of Single-Layer Metasurface Bandwidth by Coupling Resonances. Materials, 2020, 13, 2063.	2.9	4
245	A Shaped and Reconfigurable Reflector Antenna With Low Sidelobe Level for Cellular Wireless Communications. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 627-630.	4.0	3
246	Improvement of a broadband circularly polarized planar array. , 2007, , .		3
247	Evaluation of the sources reconstruction technique applied to magnetic field measurement in power electronic circuits. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
248	Efficient calculation of the reduced matrix in the characteristic basis functions method. , 2008, , .		3
249	Transmitting Polarisation Agile Microstrip Antenna Based on Injection Locked Oscillators. Journal of Electromagnetic Waves and Applications, 2008, 22, 2427-2437.	1.6	3
250	A receiving phased array antenna topology based on Mutually Coupled Harmonic Self-Oscillating Mixers. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
251	A PO-MoM comparison for electrically large dielectric geometries. , 2009, , .		3
252	Design of a submillimeter microstrip array for beam-scanning applications. , 2010, , .		3



#	ARTICLE	IF	CITATIONS
253	DIRECT: A Deterministic Radio Coverage Tool. IEEE Antennas and Propagation Magazine, 2011, 53, 135-145.	1.4	3
254	Antenna Diagnostics Using Phaseless NF Information. Automatika, 2012, 53, 49-55.	2.0	3
255	Echo Characterization Based on Maximum-Likelihood Estimation for Antenna-Measurement Correction [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2012, 54, 150-164.	1.4	3
256	Antenna Manufacturing at VHF Frequencies Applied to Weather-Satellite Data Reception [Education Column]. IEEE Antennas and Propagation Magazine, 2013, 55, 201-211.	1.4	3
257	A MULTI-GPU SOURCES RECONSTRUCTION METHOD FOR IMAGING APPLICATIONS. Progress in Electromagnetics Research, 2013, 136, 703-724.	4.4	3
258	Phase retrieval technique for submillimetre-wave frequency scanning-based radar system. IET Microwaves, Antennas and Propagation, 2014, 8, 1170-1178.	1.4	3
259	Millimetre wave receiver based on a few-layer graphene WR-5 band subharmonic mixer. , 2015, , .		3
260	3D printed millimeter wave receiver integrating a graphene subharmonic mixer and a diagonal horn antenna. , 2015, , .		3
261	COMPLEX IMPEDANCE TRANSFORMERS BASED ON BRANCH-LINE HYBRID COUPLERS. Progress in Electromagnetics Research C, 2016, 69, 147-157.	0.9	3
262	Reduced set of points in phaseless broadband near-field antenna measurement: Effects of noise and mechanical errors. , 2016, , .		3
263	Millimeter-Wave Phaseless Antenna Measurement Based on a Modified Off-Axis Holography Setup. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 160-174.	2.2	3
264	Sensor network and inertial positioning hybridisation for indoor location and tracking applications. International Journal of Sensor Networks, 2017, 24, 242.	0.4	3
265	Multiview Imaging with Real-Time Microwave Camera from Known Positions. , 2018, , .		3
266	Analysis of multistatic vehicle-drone Ground Penetrating Radar configurations for mine detection. , 2019, , .		3
267	Rapidly Deployable Portable System for Real-Time Antenna Diagnostics and Characterization. , 2019, , .		3
268	SAFEDRONE project: development of a UAV -based high-resolution GPR system for IED detection. , 2022, , .		3
269	A direct optimization approach for source reconstruction NF-FF using amplitude only data. , 0, , .		2
270	Compact L-strip capacitively coupled patch antenna with a folded radiating patch for a DCS base station. Microwave and Optical Technology Letters, 2001, 31, 60-62.	1.4	2

#	ARTICLE	IF	CITATIONS
271	Using equivalent currents to analyze antennas in complex environments. Microwave and Optical Technology Letters, 2001, 31, 62-65.	1.4	2
272	Hybrid equivalent source reconstruction: Neural network method for voltage synthesis in antenna arrays. Microwave and Optical Technology Letters, 2005, 46, 332-336.	1.4	2
273	Analysis and correction of the influence of probe distortion in near field-far field transformations. , 2006, , .		2
274	Integral equation algorithms for equivalent currents distribution retrieval over arbitrary three-dimensional surfaces. , 2006, , .		2
275	Software tool for antenna array simulation as educational support in telecommunication engineering. , 2006, , .		2
276	ANCAN: An Integrated Software Tool for the Analysis and Characterization of Antenna Arrays. IEEE Antennas and Propagation Magazine, 2007, 49, 156-164.	1.4	2
277	Radiation pattern error corrections based on Matrix Pencil method. , 2008, , .		2
278	ANALYSIS OF THE PERFORMANCE OF INJECTION LOCKED OSCILLATORS IN A DATA TRANSMITTING POLARISATION AGILE ANTENNA APPLICATION. Progress in Electromagnetics Research Letters, 2009, 12, 1-10.	0.7	2
279	Design of high-gain wideband harmonic self-oscillating mixers. International Journal of Circuit Theory and Applications, 2010, 38, 551-558.	2.0	2
280	Interpolation scheme for fast calculation of reaction terms in the characteristic basis function method. Microwave and Optical Technology Letters, 2009, 51, 1818-1824.	1.4	2
281	Design of a three port triple band aperture coupled microstrip antenna. , 2009, , .		2
282	Troubleshooting RFID Tags Problems with Metallic Objects Using Metamaterials. , 0, , .		2
283	3D whole body imaging for detecting explosive-related threats. , 2012, , .		2
284	Terahertz frequency scanning 8&#x00D7;1 antenna array for imaging applications. , 2012, , .		2
285	Analysis of the Locking Range of Rationally Synchronized Oscillators With High Reference Signal Power. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2494-2504.	4.6	2
286	Dual-Band Antenna/AMC Combination for RFID. International Journal of Antennas and Propagation, 2012, 2012, 1-7.	1.2	2
287	Fresnel-Zone-Based Focused Planar Array. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 165-168.	4.0	2
288	7 <sup>th</sup> order sub-millimeter wave frequency multiplier based on graphene implemented using a microstrip transition between two rectangular waveguides. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
289	Reduced size C-band band-pass filter with 2 <sup>nd</sup> harmonic suppression. , 2014, , .		2
290	Millimetre wave imaging system for the detection of hidden elements in artwork. , 2014, , .		2
291	On the Combination of SAR and Model Based Techniques for High-Resolution Real-Time Two-Dimensional Reconstruction. IEEE Transactions on Antennas and Propagation, 2014, 62, 5180-5189.	5.1	2
292	A GPU implementation of the inverse fast multipole method for multi-bistatic imaging applications. , 2014, , .		2
293	Influence of contour smoothness and electric size on the profile reconstruction of metallic objects using hybrid optimization. , 2015, , .		2
294	Object attitude estimation using passive RFID tag arrays. , 2016, , .		2
295	Improving convergence in crosspolar optimization of reflectarray antennas. , 2017, , .		2
296	Advanced techniques for the design of reflectarrays including crosspolar optimization. , 2017, , .		2
297	Indirect Off-Axis Holography for Antenna Metrology. , 0, , .		2
298	Enhancing the angular stability of artificial magnetic conductors through lumped inductors. Sensors and Actuators A: Physical, 2018, 272, 223-230.	4.1	2
299	On the Way to Green IoT Antennas: Compact Ultra-Thin CPW-Fed Monopole on Tencel. , 2020, , .		2
300	Support vector multi-regression and equivalent 2D modelling for 3D antenna array synthesis. , 2007, , .		2
301	Ultra-Thin Compact Eco-friendly Textile Antenna for IoT: Zigbee Application Example. , 2020, , .		2
302	Integral equation algorithms for equivalent currents distribution retrieval over arbitrary three-dimensional surfaces. , 2006, , .		1
303	Electromagnetic scattering for large problems with the Physical Optics - MultiLevel - Binary Space Partitioning (PO-ML-BSP) algorithm. , 2006, , .		1
304	Design of high-gain wide-band harmonic self oscillating mixers. , 2008, , .		1
305	Use of mutually coupled harmonic self-oscillating mixers for receiving phased-array antennas. Electronics Letters, 2008, 44, 11.	1.0	1
306	Correction of multipath effects in measured patterns by using FFT and time-gating. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
307	Transmitting polarisation agile antenna based on synchronised oscillators. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1
308	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
309	Analysis of Phase Distribution Errors in Mutually Coupled Harmonic Self-Oscillating Mixers. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 2853-2861.	4.6	1
310	Characteristic Spherical Wave Expansion With Application to Scattering and Radiation Problems. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 599-602.	4.0	1
311	SELF-CALIBRATION FOR FAULT OR OBSTACLE CORRECTION IN CONTINUALLY ROTATING ARRAY ANTENNAS. Progress in Electromagnetics Research, 2011, 111, 365-380.	4.4	1
312	Antenna characterization with multiple scatterers by means of equivalent currents and spherical wave expansion. , 2012, , .		1
313	The influence of the scattered field observation domain size on imaging measurement setup implementation. , 2012, , .		1
314	Linear aperiodic array of microstrip patch antennas with grating lobes reduction. , 2012, , .		1
315	On the fast multipole method applications for inverse problems. , 2012, , .		1
316	CPW-fed Bow-tie slot antenna/AMC combination for dual-band applications on metallic objects. , 2012, , .		1
317	Bandwidth enhancement through coupling microstrip patch antenna and electromagnetic band-gap resonances. , 2012, , .		1
318	CPW-fed monopole/EBG combination with bandwidth enhancement for dual-band applications. , 2012, , .		1
319	Received signal strength-based indoor location method. , 2013, , .		1
320	Low permittivity dielectric object on conductor characterization. , 2013, , .		1
321	NON-LINEAR OPTIMIZATION OF AN INJECTION LOCKED HIGH EFFICIENCY VCO WITH ARBITRARILY WIDTH MODULATED MICROSTRIP LINE NETWORKS. Progress in Electromagnetics Research, 2013, 140, 491-508.	4.4	1
322	Inverse scattering problem of homogeneous dielectrics using Genetic Algorithms. , 2014, , .		1
323	Error characterization tool for planar near-field antenna measurement and diagnostics applications. , 2014, , .		1
324	On the limits of an array-based model for planar lenses. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
325	Improving independent learning and communication skills of students in last year of Engineering degrees through the use of Project-Based Learning methodologies. , 2014, , .		1
326	Analysis and design of a directional coupler with integrated matching network for reflective-type phase shifters. , 2016, , .		1
327	Novel phaseless measurement inversion strategy for low-cost microwave imaging setup. , 2016, , .		1
328	Reflectarray probe optimization at millimeter frequencies. , 2016, , .		1
329	Using heterogeneous computing for scattering prediction in scenarios with several source configurations. Journal of Supercomputing, 2017, 73, 57-74.	3.6	1
330	Experimental validation of a GPR imaging system. , 2017, , .		1
331	GPU-based computational acceleration of phaseless algorithms for antenna characterization. , 2017, , .		1
332	An Improved Technique for Profile Reconstruction of PEC Bodies. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 748-751.	4.0	1
333	Efficient computation of the reflectarray far fields in adaptive grids for speed improvement. , 2017, , .		1
334	A GPU IMPLEMENTATION OF THE INVERSE FAST MULTIPOLE METHOD FOR MULTI-BISTATIC IMAGING APPLICATIONS. Progress in Electromagnetics Research M, 2017, 58, 159-169.	0.9	1
335	On the Development of a Simulation Strategy to Model the Behavior of Graphene-Based Devices in Electromagnetic Simulators. IEEE Access, 2019, 7, 74111-74121.	4.2	1
336	3-D Printed High-Efficiency Wideband 2x2 and 4x4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications. , 2020, , .		1
337	Elucidation of molecular kinetic schemes from macroscopic traces using system identification. PLoS Computational Biology, 2017, 13, e1005376.	3.2	1
338	Sensor Network and Inertial Positioning Hybridization for Indoor Location and Tracking Applications. International Journal of Sensor Networks, 2016, 1, 1.	0.4	1
339	Artificial Magnetic Conductor key angular stability parameters for improving antenna performance. , 2020, , .		1
340	Reducing the radar cross section while maintaining the performance of a coplanar waveguide-fed antenna with an absorptive metasurface. Journal Physics D: Applied Physics, 2021, 54, 075302.	2.8	1
341	Wideband aperture coupled patch antenna for Ka-band exploiting the generation of surface waves. , 2020, , .		1
342	Impact of the Number of Transmitting-Receiving Channels on the Quality of the Images Obtained by a Millimeter- Wave Freehand Imager. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
343	On the Use of an Equivalent Currents-Based Technique to Improve Electromagnetic Imaging. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	1
344	Simulation of Curved Surfaces by Patch Modeling in the Study of Electromagnetic Scattering by Resonant Size Bodies. , 1990, , .		0
345	Efficient modelling of curved surfaces by planar patches and wire grids for electromagnetic scattering. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 1995, 8, 417-429.	1.9	0
346	ESTAT3: A computer program for the analysis of 3-D statics problems. Computer Applications in Engineering Education, 1997, 5, 99-109.	3.4	0
347	Characterization of non-anechoic chambers and echo cancellation for antenna measurement [horn antenna examples]. , 2004, , .		0
348	Practical revision of near-field to far-field zone transition of real antennas. , 2004, , .		0
349	Injection-locked harmonic self-oscillating mixer for variable phase-shifter applications in active microstrip phased antenna arrays. , 0, , .		0
350	Neural network-based array synthesis in presence of obstacles. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2006, 19, 1-13.	1.9	0
351	PA-CONECTA: A tool for the analysis of electromagnetic field levels over terrain. , 2006, , .		0
352	A physical optics multi-level binary space partitioning algorithm for large scattering problems. , 2006, , .		0
353	Design and Analysis of an Injection-Locked Third Harmonic Self-Oscillating Mixer. , 2006, , .		0
354	Multilevel scheme parameters optimization of the PO-ML-BSP method by using a simulated annealing algorithm. , 2007, , .		0
355	Full-wave domain decomposition method to analyze corridors. , 2007, , .		0
356	Nonlinear Analysis of Mutually Coupled Harmonic Self-Oscillating Mixers. IEEE Microwave and Wireless Components Letters, 2008, 18, 614-616.	3.2	0
357	Visibility algorithms for electromagnetic problems. , 2008, , .		0
358	On the influence of the field acquisition domain regarding Near-Field to Far Field-transformation. , 2008, , .		0
359	Direct solution of electromagnetic scattering and radiation problems involving electrically large bodies using the multilevel Characteristic Basis Function Method (ML-CBFM). , 2009, , .		0
360	A memory-hierarchy-based optimization of MECA (Modified Equivalent Current Approximation) for the analysis of electrically large dielectric and lossy structures. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
361	Easily-manufacturable waveguide to microstrip submm-wave transition. , 2010, , .		0
362	The sources reconstruction method for amplitude-only field measurements. , 2010, , .		0
363	The adaptive cross approximation algorithm applied to a volumetric method-of-moments for electromagnetic analysis of inhomogeneous bodies. , 2010, , .		0
364	Near-field focussed array with two simultaneous and independent spots. , 2012, , .		0
365	Solution of scattering problems involving dielectric bodies with the characteristic basis function method. , 2012, , .		0
366	Novel CPW power divider based on resonators. , 2012, , .		0
367	On the influence of domain extensions and the relaxation parameter on spatial domain decomposition methods. , 2012, , .		0
368	Efficient techniques based on the CBFM for the analysis of on-board antennas. , 2012, , .		0
369	Transmitting active antenna array based on fourth harmonic oscillators for low power point-to-point reconfigurable communications. , 2012, , .		0
370	Experimental characterization of a coherent multi-carrier Tx-Rx system based on Rationally Synchronized Oscillators. , 2012, , .		0
371	Reply to "Comments on "Novel Broadband Artificial Magnetic Conductor With Hexagonal Unit Cell" IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1718-1719.	4.0	0
372	Three-dimensional millimeter-wave portal for human body imaging. , 2012, , .		0
373	High-Performance Computational Electromagnetic Methods Applied to the Design of Patch Antenna with EBG Structure. International Journal of Antennas and Propagation, 2012, 2012, 1-5.	1.2	0
374	Integral Equation Analysis with Characteristic Basis Functions. , 0, , .		0
375	Material characterization using a millimeter wave portal-based imaging system for security screening. , 2013, , .		0
376	Novel wirebond free asymmetrical power divider for coplanar waveguide. Microwave and Optical Technology Letters, 2013, 55, 629-632.	1.4	0
377	Accurate profile reconstruction using an improved SAR based technique. , 2013, , .		0
378	Measurement setup for profile reconstruction in the 90 GHz frequency band. , 2013, , .		0



#	ARTICLE	IF	CITATIONS
379	A Compressed Sensing technique for multistatic three-dimensional millimeter-wave personnel screening. , 2013, , .		0
380	Potential advantages of hexagonal-shaped over square-shaped unit-cells metallizations regarding the angular stability of Artificial Magnetic Conductors. , 2014, , .		0
381	A hybrid SAR - Model based method for high resolution imaging. , 2014, , .		0
382	Sub-millimeter wave imaging system based on frequency scanning antenna. , 2014, , .		0
383	A Compressed Sensing-based imaging system. , 2014, , .		0
384	Behavioral study of a CPW-fed dual-band antenna combined with a polarization dependent AMC. , 2014, , .		0
385	Non-linear design, optimization and analysis of an injection-locked high efficiency VCO with arbitrarily width modulated microstrip line networks. , 2014, , .		0
386	Optimization setup based on multi-tone harmonic balance for the direct and accurate control of the locking range of rationally synchronized oscillators. Journal of Electromagnetic Waves and Applications, 2014, 28, 1142-1153.	1.6	0
387	Small sized uniplanar artificial magnetic conductor. , 2014, , .		0
388	GraphicOS: Graphical GO simulations for radioelectric coverage calculation in 3D scenarios. , 2015, , .		0
389	Imaging effectiveness of multistatic radar for human body imaging. , 2015, , .		0
390	Fast multistatic Fourier-based forward and inverse operators for Compressive Sensing imaging. , 2015, , .		0
391	Design of substrate integrated waveguides structures based on stop-band response FSSs (SBFSS-SIW). , 2016, , .		0
392	Sectoral H-plane SBFSS-SIW horn antenna. , 2017, , .		0
393	Full body imaging with multiview electromagnetic scanners. , 2017, , .		0
394	Facing the angular stabilization of loop-based artificial magnetic conductors through lumped inductors. , 2017, , .		0
395	Application of the NUFFT to the analysis and synthesis of aperiodic arrays. , 2017, , .		0
396	H-Plane siw active horn antenna. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
397	In situ antenna diagnostics and characterization system based on RFID and Remotely Piloted Aircrafts. Sensors and Actuators A: Physical, 2018, 269, 29-40.	4.1	0
398	Efficient and Accurate Modeling of Reflectarray Unit Cells Using SVMs. , 2018, , .		0
399	Evaluation of Positioning Techniques for Millimeter-wave Portable Scanners. , 2018, , .		0
400	ACCELERATION OF VERY LARGE REFLECTARRAY RADIATION PATTERN COMPUTATION USING AN ADAPTIVE RESOLUTION SPECTRAL GRID. Progress in Electromagnetics Research C, 2019, 89, 1-11.	0.9	0
401	On the Techniques to Design 3D-Printable Arbitrarily Height-Modulated Substrate Integrated Waveguide Filters. , 2019, , .		0
402	Near-Field Multi-Focused Arrays Using Support Vector Regression. , 2020, , .		0
403	Comment on the Article "A Lightweight and Low-Power UAV-Borne Ground Penetrating Radar Design for Landmine Detection". Sensors, 2020, 20, 3002.	3.8	0
404	Phased array based on mutually coupled harmonic self-oscillating mixers. , 2007, , .		0
405	Comments on "What is the radiation before 5G? A correlation study between measurements in situ and in real time and epidemiological indicators in Vallecas, Madrid". Environmental Research, 2022, 212, 113314.	7.5	0