

# Fernando Las-Heras

## List of Publications by Year in descending order

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405  
papers

5,052  
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101535

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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 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

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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-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™ 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
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