

Fernando Las-Heras

List of Publications by Year in descending order

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405
papers

5,052
citations

116194

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206121

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406
all docs

406
docs citations

406
times ranked

3247
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.2	9
2	Unmanned Aerial Vehicle-Based Ground-Penetrating Radar Systems: A review. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 66-86.	4.9	19
3	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.	3.7	0
4	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.	4.9	12
5	Impact of the Number of Transmitting-Receiving Channels on the Quality of the Images Obtained by a Millimeter-Wave Freehand Imager. , 2022, , .		1
6	SAFEDRONE project: development of a UAV -based high-resolution GPR system for IED detection. , 2022, , .		3
7	On the Use of an Equivalent Currents-Based Technique to Improve Electromagnetic Imaging. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	2.4	1
8	Freehand mm-Wave Imaging With a Compact MIMO Radar. IEEE Transactions on Antennas and Propagation, 2021, 69, 1224-1229.	3.1	12
9	A Portable Electromagnetic System Based on mm-Wave Radars and GNSS-RTK Solutions for 3D Scanning of Large Material Piles. Sensors, 2021, 21, 757.	2.1	6
10	Towards Turning Smartphones Into mmWave Scanners. IEEE Access, 2021, 9, 45147-45154.	2.6	16
11	System Based on Compact mmWave Radar and Natural Body Movement for Assisting Visually Impaired People. IEEE Access, 2021, 9, 125042-125051.	2.6	7
12	Development of an Airborne-Based GPR System for Landmine and IED Detection: Antenna Analysis and Intercomparison. IEEE Access, 2021, 9, 127382-127396.	2.6	10
13	Analysis and Validation of a Hybrid Forward-Looking Down-Looking Ground Penetrating Radar Architecture. Remote Sensing, 2021, 13, 1206.	1.8	5
14	Freehand System for Antenna Diagnosis Based on Amplitude-Only Data. IEEE Transactions on Antennas and Propagation, 2021, 69, 4988-4998.	3.1	12
15	Real-Time Tracking System Based on RFID to Prevent Worker's Vehicle Accidents. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1794-1798.	2.4	7
16	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.	1.3	1
17	Paving the Way for Suitable Metasurfaces's Measurements Under Oblique Incidence: Mono-/Bistatic and Near-/Far-Field Concerns. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1737-1744.	2.4	16
18	Improvement of GPR SAR-Based Techniques for Accurate Detection and Imaging of Buried Objects. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3126-3138.	2.4	31

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19	Portable Freehand System for Real-Time Antenna Diagnosis and Characterization. IEEE Transactions on Antennas and Propagation, 2020, 68, 5636-5645.	3.1	11
20	On the Way to Green IoT Antennas: Compact Ultra-Thin CPW-Fed Monopole on Tencel. , 2020, , .		2
21	Paving the Way to Eco-Friendly IoT Antennas: Tencel-Based Ultra-Thin Compact Monopole and Its Applications to ZigBee. Sensors, 2020, 20, 3658.	2.1	12
22	Near-Field Multi-Focused Arrays Using Support Vector Regression. , 2020, , .		0
23	Airborne Multi-Channel Ground Penetrating Radar for Improvised Explosive Devices and Landmine Detection. IEEE Access, 2020, 8, 165927-165943.	2.6	37
24	3-D Printed High-Efficiency Wideband 2x2 and 4x4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications. , 2020, , .		1
25	On the Broadening of Single-Layer Metasurface Bandwidth by Coupling Resonances. Materials, 2020, 13, 2063.	1.3	4
26	Comment on the Article "A Lightweight and Low-Power UAV-Borne Ground Penetrating Radar Design for Landmine Detection". Sensors, 2020, 20, 3002.	2.1	0
27	A Portable Cost-Effective Amplitude and Phase Antenna Measurement System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7240-7251.	2.4	7
28	Portable and Easily-Deployable Air-Launched GPR Scanner. Remote Sensing, 2020, 12, 1833.	1.8	17
29	Artificial Magnetic Conductor key angular stability parameters for improving antenna performance. , 2020, , .		1
30	Ultra-Thin Compact Eco-friendly Textile Antenna for IoT: Zigbee Application Example. , 2020, , .		2
31	3D-SAR Processing of UAV-mounted GPR Measurements: Dealing with Non-Uniform Sampling. , 2020, , .		6
32	Wideband aperture coupled patch antenna for Ka-band exploiting the generation of surface waves. , 2020, , .		1
33	Freehand, Agile, and High-Resolution Imaging With Compact mm-Wave Radar. IEEE Access, 2019, 7, 95516-95526.	2.6	35
34	330-500 GHz Graphene-Based Single-Stage High-Order Subharmonic Mixer. IEEE Access, 2019, 7, 113151-113160.	2.6	4
35	Zirconia-Based Ultra-Thin Compact Flexible CPW-Fed Slot Antenna for IoT. Sensors, 2019, 19, 3134.	2.1	14
36	Analysis of multistatic vehicle-drone Ground Penetrating Radar configurations for mine detection. , 2019, , .		3

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37	Dual-Probe Near-Field Phaseless Antenna Measurement System on Board a UAV. <i>Sensors</i> , 2019, 19, 4663.	2.1	10
38	On the Development of a Simulation Strategy to Model the Behavior of Graphene-Based Devices in Electromagnetic Simulators. <i>IEEE Access</i> , 2019, 7, 74111-74121.	2.6	1
39	Multifunctional Fully Textile-Integrated RFID Tag to Revolutionize the Internet of Things in Clothing [Wireless Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2019, 61, 104-110.	1.2	6
40	Glucocorticoids Decrease Longitudinal Bone Growth in Pediatric Kidney Transplant Recipients by Stimulating the FGF23/FGFR3 Signaling Pathway. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1851-1861.	3.1	14
41	Design of Non-Uniform Antenna Arrays for Improved Near-Field MultiFocusing. <i>Sensors</i> , 2019, 19, 645.	2.1	4
42	Submillimeter Wave High Order Frequency Multiplier Based on Graphene. <i>IEEE Access</i> , 2019, 7, 26933-26940.	2.6	6
43	On the Design of Broadband Hybrid Amplifiers Using Non-Uniform Transmission Lines as Impedance Matching Networks. <i>IEEE Access</i> , 2019, 7, 19670-19677.	2.6	4
44	Autonomous Airborne 3D SAR Imaging System for Subsurface Sensing: UWB-GPR on Board a UAV for Landmine and IED Detection. <i>Remote Sensing</i> , 2019, 11, 2357.	1.8	44
45	ACCELERATION OF VERY LARGE REFLECTARRAY RADIATION PATTERN COMPUTATION USING AN ADAPTIVE RESOLUTION SPECTRAL GRID. <i>Progress in Electromagnetics Research C</i> , 2019, 89, 1-11.	0.6	0
46	Rapidly Deployable Portable System for Real-Time Antenna Diagnostics and Characterization. , 2019, , .		3
47	Bistatic Landmine and IED Detection Combining Vehicle and Drone Mounted GPR Sensors. <i>Remote Sensing</i> , 2019, 11, 2299.	1.8	16
48	Unmanned aerial system for antenna measurement and diagnosis: evaluation and testing. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 2224-2231.	0.7	14
49	On the Techniques to Design 3D-Printable Arbitrarily Height-Modulated Substrate Integrated Waveguide Filters. , 2019, , .		0
50	Array of Antennas for a GPR system onboard a UAV. , 2019, , .		6
51	From Threads to Smart Textile: Parametric Characterization and Electromagnetic Analysis of Woven Structures. <i>IEEE Access</i> , 2019, 7, 1486-1501.	2.6	6
52	On the Development of a Novel Mixed Embroidered-Woven Slot Antenna for Wireless Applications. <i>IEEE Access</i> , 2019, 7, 9476-9489.	2.6	11
53	AMC's Angular Stability Improvement Through the Introduction of Lumped Components. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 813-816.	2.4	9
54	Scalar Calibration for Broadband Phaseless Antenna Measurements Based on Indirect Off-Axis Holography. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 3241-3246.	3.1	6

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55	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.	2.9	16
56	Fast and Accurate Modeling of Dual-Polarized Reflectarray Unit Cells Using Support Vector Machines. IEEE Transactions on Antennas and Propagation, 2018, 66, 1258-1270.	3.1	36
57	Phase acquisition techniques for RFID multistatic setups. Sensors and Actuators A: Physical, 2018, 270, 97-107.	2.0	4
58	Enhancing the angular stability of artificial magnetic conductors through lumped inductors. Sensors and Actuators A: Physical, 2018, 272, 223-230.	2.0	2
59	Fully Textile-Integrated Microstrip-Fed Slot Antenna for Dedicated Short-Range Communications. IEEE Transactions on Antennas and Propagation, 2018, 66, 2262-2270.	3.1	12
60	Attitude Estimation Based on Arrays of Passive RFID Tags. IEEE Transactions on Antennas and Propagation, 2018, 66, 2534-2544.	3.1	7
61	Multiview mm-Wave Imaging With Augmented Depth Camera Information. IEEE Access, 2018, 6, 16869-16877.	2.6	16
62	In situ antenna diagnostics and characterization system based on RFID and Remotely Piloted Aircrafts. Sensors and Actuators A: Physical, 2018, 269, 29-40.	2.0	0
63	A Synthetic Aperture Radar (SAR)-Based Technique for Microwave Imaging and Material Characterization. Electronics (Switzerland), 2018, 7, 373.	1.8	8
64	GPR system onboard a UAV for non-invasive detection of buried objects. , 2018, , .		12
65	Multiview Imaging with Real-Time Microwave Camera from Known Positions. , 2018, , .		3
66	Graphene Based THz Electromagnetic Imaging System for the Analysis of Artworks. IEEE Access, 2018, 6, 66459-66467.	2.6	5
67	Efficient and Accurate Modeling of Reflectarray Unit Cells Using SVMs. , 2018, , .		0
68	UAV-based antenna measurement and diagnostics for circularly polarized antenna arrays. , 2018, , .		5
69	Real-Time Multiview SAR Imaging Using a Portable Microwave Camera With Arbitrary Movement. IEEE Transactions on Antennas and Propagation, 2018, 66, 7305-7314.	3.1	16
70	THREE-DIMENSIONAL FULLY INTERLACED WOVEN MICROSTRIP-FED SUBSTRATE INTEGRATED WAVEGUIDE. Progress in Electromagnetics Research, 2018, 163, 25-38.	1.6	4
71	Evaluation of Positioning Techniques for Millimeter-wave Portable Scanners. , 2018, , .		0
72	UAV-mounted GPR for NDT applications. , 2018, , .		7

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73	LAYER-TO-LAYER ANGLE INTERLOCK 3D WOVEN BANDSTOP FREQUENCY SELECTIVE SURFACE. Progress in Electromagnetics Research, 2018, 162, 81-94.	1.6	13
74	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.	2.6	117
75	On the Use of Unmanned Aerial Vehicles for Antenna and Coverage Diagnostics in Mobile Networks. IEEE Communications Magazine, 2018, 56, 72-78.	4.9	64
76	Broadband Flexible Fully Textile-Integrated Bandstop Frequency Selective Surface. IEEE Transactions on Antennas and Propagation, 2018, 66, 5291-5299.	3.1	19
77	RFID Technology for Management and Tracking: e-Health Applications. Sensors, 2018, 18, 2663.	2.1	56
78	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.	3.1	14
79	Using heterogeneous computing for scattering prediction in scenarios with several source configurations. Journal of Supercomputing, 2017, 73, 57-74.	2.4	1
80	A received signal strength RFID-based indoor location system. Sensors and Actuators A: Physical, 2017, 255, 118-133.	2.0	37
81	An Ultra-Thin 2-bit Near-Field Transmitarray Lens. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1.	2.4	7
82	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.	3.1	16
83	Improving convergence in crosspolar optimization of reflectarray antennas. , 2017, , .		2
84	Near field synthesis of reflectarrays using intersection approach. , 2017, , .		9
85	Experimental validation of a GPR imaging system. , 2017, , .		1
86	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.	3.1	48
87	SVD-Based clutter removal technique for gpr. , 2017, , .		12
88	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.	3.1	36
89	Sectoral H-plane SBFSS-SIW horn antenna. , 2017, , .		0
90	Novel parametric electromagnetic modelling to simulate Textile Integrated Circuits. , 2017, , .		5

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91	Multiview three-dimensional reconstruction by millimetre-wave portable camera. Scientific Reports, 2017, 7, 6479.	1.6	28
92	Multistatic Millimeter-Wave Imaging by Multiview Portable Camera. IEEE Access, 2017, 5, 19259-19268.	2.6	16
93	GPU-based computational acceleration of phaseless algorithms for antenna characterization. , 2017, , .		1
94	Nearfield-based array design for a realistic on-the-move personnel inspection system. , 2017, , .		4
95	Advanced techniques for the design of reflectarrays including crosspolar optimization. , 2017, , .		2
96	Full 2-D Submillimeter-Wave Frequency Scanning Array. IEEE Transactions on Antennas and Propagation, 2017, 65, 4486-4494.	3.1	11
97	An Improved Technique for Profile Reconstruction of PEC Bodies. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 748-751.	2.4	1
98	Inverse Scattering for Monochromatic Phaseless Measurements. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 45-60.	2.4	18
99	Efficient computation of the reflectarray far fields in adaptive grids for speed improvement. , 2017, , .		1
100	Antenna Diagnostics and Characterization Using Unmanned Aerial Vehicles. IEEE Access, 2017, 5, 23563-23575.	2.6	88
101	International facility comparison campaign at L/C band frequencies. , 2017, , .		8
102	Multiview techniques for mm-wave imaging. , 2017, , .		4
103	Full body imaging with multiview electromagnetic scanners. , 2017, , .		0
104	Facing the angular stabilization of loop-based artificial magnetic conductors through lumped inductors. , 2017, , .		0
105	Application of the NUFFT to the analysis and synthesis of aperiodic arrays. , 2017, , .		0
106	Sensor network and inertial positioning hybridisation for indoor location and tracking applications. International Journal of Sensor Networks, 2017, 24, 242.	0.2	3
107	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.	0.7	18
108	3D location system based on attitude estimation with RFID technology. , 2017, , .		12

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109	H-Plane siw active horn antenna. , 2017, , .		0
110	A GPU IMPLEMENTATION OF THE INVERSE FAST MULTIPOLE METHOD FOR MULTI-BISTATIC IMAGING APPLICATIONS. Progress in Electromagnetics Research M, 2017, 58, 159-169.	0.5	1
111	GENERAL NEAR FIELD SYNTHESIS OF REFLECTARRAY ANTENNAS FOR THEIR USE AS PROBES IN CATR. Progress in Electromagnetics Research, 2017, 160, 9-17.	1.6	6
112	SAR-based technique for soil permittivity estimation. International Journal of Remote Sensing, 2017, 38, 5168-5185.	1.3	14
113	Elucidation of molecular kinetic schemes from macroscopic traces using system identification. PLoS Computational Biology, 2017, 13, e1005376.	1.5	1
114	COMPLEX IMPEDANCE TRANSFORMERS BASED ON BRANCH-LINE HYBRID COUPLERS. Progress in Electromagnetics Research C, 2016, 69, 147-157.	0.6	3
115	Improving Security Screening: A Comparison of Multistatic Radar Configurations for Human Body Imaging. IEEE Antennas and Propagation Magazine, 2016, 58, 35-47.	1.2	66
116	Design of substrate integrated waveguides structures based on stop-band response FSSs (SBFSS-SIW). , 2016, , .		0
117	Analysis and design of a directional coupler with integrated matching network for reflective-type phase shifters. , 2016, , .		1
118	Fourier-Based Imaging for Subsampled Multistatic Arrays. IEEE Transactions on Antennas and Propagation, 2016, 64, 2557-2562.	3.1	29
119	Object attitude estimation using passive RFID tag arrays. , 2016, , .		2
120	ZigBee-based Sensor Network for Indoor Location and Tracking Applications. IEEE Latin America Transactions, 2016, 14, 3208-3214.	1.2	37
121	Reduced set of points in phaseless broadband near-field antenna measurement: Effects of noise and mechanical errors. , 2016, , .		3
122	Angular Stability of Metasurfaces: Challenges Regarding Reflectivity Measurements [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2016, 58, 74-81.	1.2	33
123	Novel phaseless measurement inversion strategy for low-cost microwave imaging setup. , 2016, , .		1
124	Reflectarray antenna with reduced crosspolar radiation pattern. , 2016, , .		4
125	Reflectarray probe optimization at millimeter frequencies. , 2016, , .		1
126	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.	1.2	12

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127	Millimeter-Wave Phaseless Antenna Measurement Based on a Modified Off-Axis Holography Setup. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 160-174.	1.2	3
128	Substrate Integrated Waveguides Structures Using Frequency Selective Surfaces Operating in Stop-Band (SBFSS-SIW). IEEE Microwave and Wireless Components Letters, 2016, 26, 113-115.	2.0	11
129	Phaseless Characterization of Broadband Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 484-495.	3.1	28
130	Millimeter Wave Imaging Architecture for On-The-Move Whole Body Imaging. IEEE Transactions on Antennas and Propagation, 2016, 64, 2328-2338.	3.1	38
131	Design, Manufacture, and Measurement of a Low-Cost Reflectarray for Global Earth Coverage. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1418-1421.	2.4	18
132	Broadband Synthetic Aperture Scanning System for Three-Dimensional Through-the-Wall Inspection. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 97-101.	1.4	8
133	Sensor Network and Inertial Positioning Hybridization for Indoor Location and Tracking Applications. International Journal of Sensor Networks, 2016, 1, 1.	0.2	1
134	GraphicOS: Graphical GO simulations for radioelectric coverage calculation in 3D scenarios. , 2015, , .		0
135	A Thin C-Band Polarization and Incidence Angle-Insensitive Metamaterial Perfect Absorber. Materials, 2015, 8, 1666-1681.	1.3	26
136	SAR imaging-based techniques for Low Permittivity Lossless Dielectric Bodies Characterization. IEEE Antennas and Propagation Magazine, 2015, 57, 267-276.	1.2	15
137	A Simple Model for Analyzing Transmitarray Lenses. IEEE Antennas and Propagation Magazine, 2015, 57, 131-144.	1.2	19
138	Imaging effectiveness of multistatic radar for human body imaging. , 2015, , .		0
139	Fast multistatic Fourier-based forward and inverse operators for Compressive Sensing imaging. , 2015, , .		0
140	Millimetre wave transmitter based on a few-layer graphene frequency multiplier. , 2015, , .		4
141	Millimetre wave receiver based on a few-layer graphene WR-5 band subharmonic mixer. , 2015, , .		3
142	3D printed millimeter wave receiver integrating a graphene subharmonic mixer and a diagonal horn antenna. , 2015, , .		3
143	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.	3.1	41
144	A Six-Fold Symmetric Metamaterial Absorber. Materials, 2015, 8, 1590-1603.	1.3	18

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145	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.	3.1	14
146	High-Order Subharmonic Millimeter-Wave Mixer Based on Few-Layer Graphene. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1361-1369.	2.9	14
147	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.	1.1	26
148	Experimental analysis of the high-order harmonic components generation in few-layer graphene. Applied Physics A: Materials Science and Processing, 2015, 118, 83-89.	1.1	13
149	Three-Dimensional Compressed Sensing-Based Millimeter-Wave Imaging. IEEE Transactions on Antennas and Propagation, 2015, 63, 5868-5873.	3.1	26
150	Influence of contour smoothness and electric size on the profile reconstruction of metallic objects using hybrid optimization. , 2015, , .		2
151	Millimetre wave textile integrated waveguide beamforming antenna for radar applications. , 2015, , .		7
152	Complex Reflection Coefficient Synthesis Applied to Dual-Polarized Reflectarrays With Cross-Polar Requirements. IEEE Transactions on Antennas and Propagation, 2015, 63, 3897-3907.	3.1	20
153	Scalar Calibration for Broadband Synthetic Aperture Radar Operating with Amplitude-Only Data. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1714-1717.	2.4	4
154	MILLIMETER-WAVE OFFSET FRESNEL ZONE PLATE LENSES CHARACTERIZATION. Progress in Electromagnetics Research C, 2014, 54, 125-131.	0.6	9
155	Potential advantages of hexagonal-shaped over square-shaped unit-cells metallizations regarding the angular stability of Artificial Magnetic Conductors. , 2014, , .		0
156	Inverse scattering problem of homogeneous dielectrics using Genetic Algorithms. , 2014, , .		1
157	Fresnel-Zone-Based Focused Planar Array. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 165-168.	2.4	2
158	Phaseless Antenna Diagnostics Based on Off-Axis Holography With Synthetic Reference Wave. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 43-46.	2.4	25
159	7 th order sub-millimeter wave frequency multiplier based on graphene implemented using a microstrip transition between two rectangular waveguides. , 2014, , .		2
160	Millimetre wave subharmonic mixer based on graphene. , 2014, , .		4
161	Error characterization tool for planar near-field antenna measurement and diagnostics applications. , 2014, , .		1
162	A hybrid SAR - Model based method for high resolution imaging. , 2014, , .		0

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163	Sub-millimeter wave imaging system based on frequency scanning antenna. , 2014, , .		0
164	Interferometric Technique With Nonredundant Sampling for Phaseless Inverse Scattering. IEEE Transactions on Antennas and Propagation, 2014, 62, 739-746.	3.1	8
165	A Compressed Sensing-based imaging system. , 2014, , .		0
166	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.	3.1	34
167	Behavioral study of a CPW-fed dual-band antenna combined with a polarization dependent AMC. , 2014, , .		0
168	Dual polarized transmitarray lens. , 2014, , .		13
169	Near field multifocusing on antenna arrays via non-convex optimisation. IET Microwaves, Antennas and Propagation, 2014, 8, 754-764.	0.7	34
170	Phase retrieval technique for submillimetre-wave frequency scanning-based radar system. IET Microwaves, Antennas and Propagation, 2014, 8, 1170-1178.	0.7	3
171	On the limits of an array-based model for planar lenses. , 2014, , .		1
172	Non-linear design, optimization and analysis of an injection-locked high efficiency VCO with arbitrarily width modulated microstrip line networks. , 2014, , .		0
173	Reduced size C-band band-pass filter with 2 nd harmonic suppression. , 2014, , .		2
174	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.	1.0	0
175	Small sized uniplanar artificial magnetic conductor. , 2014, , .		0
176	Millimetre wave imaging system for the detection of hidden elements in artwork. , 2014, , .		2
177	Improving independent learning and communication skills of students in last year of Engineering degrees through the use of Project-Based Learning methodologies. , 2014, , .		1
178	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.	3.1	50
179	Frequency scanning slotted waveguide in the sub-millimeter wave band. , 2014, , .		5
180	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.	3.1	2

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181	A GPU implementation of the inverse fast multipole method for multi-bistatic imaging applications. , 2014, , .		2
182	Fourier-Based Imaging for Multistatic Radar Systems. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1798-1810.	2.9	55
183	Phaseless Antenna Measurement on Non-Redundant Sample Points Via Leith-Upatnieks Holography. IEEE Transactions on Antennas and Propagation, 2013, 61, 4036-4044.	3.1	15
184	Parallelization of the FMM on distributed-memory GPGPU systems for acoustic-scattering prediction. Journal of Supercomputing, 2013, 64, 17-27.	2.4	6
185	Phase Error Compensation in Imaging Systems Using Compressed Sensing Techniques. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1574-1577.	2.4	4
186	Submillimeter-Wave Frequency Scanning System for Imaging Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 5689-5696.	3.1	42
187	An Improved SAR Based Technique for Accurate Profile Reconstruction. IEEE Transactions on Antennas and Propagation, 2013, 61, 1490-1495.	3.1	9
188	Antenna Manufacturing at VHF Frequencies Applied to Weather-Satellite Data Reception [Education Column]. IEEE Antennas and Propagation Magazine, 2013, 55, 201-211.	1.2	3
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