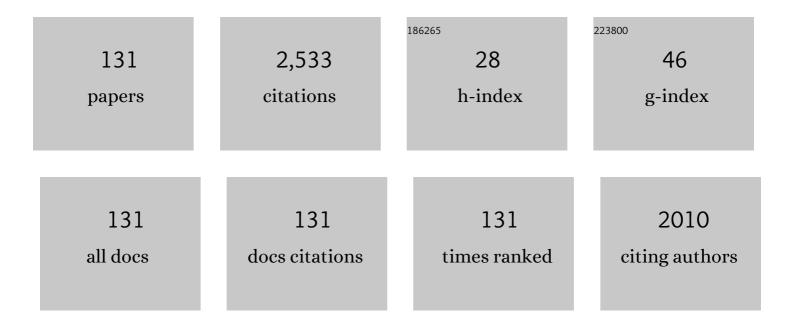
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Electromagnetic Characterization of Textured Surfaces Formed by Metallic Pins. IEEE Transactions on Antennas and Propagation, 2008, 56, 405-415.	5.1	174
2	Dual-Band Dual-Linear-to-Circular Polarization Converter in Transmission Mode Application to <inline-formula> <tex-math notation="LaTeX">\$K/Ka\$ </tex-math> </inline-formula> -Band Satellite Communications. IEEE Transactions on Antennas and Propagation, 2018, 66, 7128-7137.	5.1	158
3	Circular Polarization Wide-Angle Beam Steering at Ka-Band by In-Plane Translation of a Plate Lens Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 5443-5455.	5.1	149
4	High Gain Dual-Band Beam-Steering Transmit Array for Satcom Terminals at Ka-Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 3528-3539.	5.1	106
5	Compact Beam-Steerable Lens Antenna for 60-GHz Wireless Communications. IEEE Transactions on Antennas and Propagation, 2009, 57, 2926-2933.	5.1	101
6	A Broadband Implantable and a Dual-Band On-Body Repeater Antenna: Design and Transmission Performance. IEEE Transactions on Antennas and Propagation, 2014, 62, 2899-2908.	5.1	83
7	Compact Ka-Band Lens Antennas for LEO Satellites. IEEE Transactions on Antennas and Propagation, 2008, 56, 1251-1258.	5.1	75
8	Hybrid UHF/UWB Antenna for Passive Indoor Identification and Localization Systems. IEEE Transactions on Antennas and Propagation, 2013, 61, 354-361.	5.1	74
9	Additional boundary condition for a wire medium connected to a metallic surface. New Journal of Physics, 2008, 10, 053011.	2.9	68
10	Miniature Implantable Antennas for Biomedical Telemetry: From Simulation to Realization. IEEE Transactions on Biomedical Engineering, 2012, 59, 3140-3147.	4.2	64
11	RFID Reader Antennas for Tag Detection in Self-Confined Volumes at UHF. IEEE Antennas and Propagation Magazine, 2011, 53, 39-50.	1.4	63
12	RFID Smart Shelf With Confined Detection Volume at UHF. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 773-776.	4.0	53
13	Complex permittivity and anisotropy measurement of 3D-printed PLA at microwaves and millimeter-waves. , 2016, , .		53
14	Evaluation of a New Wideband Slot Array for MIMO Performance Enhancement in Indoor WLANs. IEEE Transactions on Antennas and Propagation, 2011, 59, 1200-1206.	5.1	51
15	Performance of a Crossed Exponentially Tapered Slot Antenna for UWB Systems. IEEE Transactions on Antennas and Propagation, 2009, 57, 1345-1352.	5.1	48
16	Stereolithography-Based Antennas for Satellite Communications in Ka-Band. Proceedings of the IEEE, 2017, 105, 655-667.	21.3	46
17	Antenna Design and Near-Field Characterization for Medical Microwave Imaging Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 4811-4824.	5.1	45
18	3D printed plastic 60 GHz lens: Enabling innovative millimeter wave antenna solution and system. , 2014, , .		43

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#	Article	lF	CITATIONS
19	Phase-Delay Versus Phase-Rotation Cells for Circular Polarization Transmit Arrays—Application to Satellite Ka-Band Beam Steering. IEEE Transactions on Antennas and Propagation, 2018, 66, 1236-1247.	5.1	43
20	Broadband UHF RFID Passive Tag Antenna for Near-Body Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 136-139.	4.0	39
21	Wideband Slot Antenna for WLAN Access Points. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 79-82.	4.0	38
22	Compact Tapered Slot UWB Antenna With WLAN Band Rejection. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 661-664.	4.0	36
23	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
24	Microwave Breast Imaging Using a Dry Setup. IEEE Transactions on Computational Imaging, 2020, 6, 167-180.	4.4	34
25	Evaluation of a Double-Shell Integrated Scanning Lens Antenna. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 781-784.	4.0	33
26	Experimental verification of broadband superlensing using a metamaterial with an extreme index of refraction. Physical Review B, 2010, 81, .	3.2	31
27	Broadband Integrated Lens for Illuminating Reflector Antenna With Constant Aperture Efficiency. IEEE Transactions on Antennas and Propagation, 2010, 58, 3805-3813.	5.1	31
28	Dual-Band Skin-Adhesive Repeater Antenna for Continuous Body Signals Monitoring. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 25-32.	3.4	31
29	Passive UHF RFID Tag for Airport Suitcase Tracking and Identification. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 123-126.	4.0	30
30	Mirror-Integrated Transparent Antenna for RFID Application. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 776-779.	4.0	29
31	Superlens made of a metamaterial with extreme effective parameters. Physical Review B, 2008, 78, .	3.2	27
32	Wideband Implantable Antenna for Body-Area High Data Rate Impulse Radio Communication. IEEE Transactions on Antennas and Propagation, 2016, 64, 1932-1940.	5.1	26
33	Broadband Slot Feed for Integrated Lens Antennas. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 396-400.	4.0	25
34	Dielectric Lens Antennas. , 2016, , 1001-1064.		25
35	DUAL-BAND IMPLANTABLE ANTENNAS FOR MEDICAL TELEMETRY: A FAST DESIGN METHODOLOGY AND VALIDATION FOR INTRA-CRANIAL PRESSURE MONITORING. Progress in Electromagnetics Research, 2013, 141, 161-183.	4.4	23
36	17.8 A compact 130GHz fully packaged point-to-point wireless system with 3D-printed 26dBi lens antenna achieving 12.5Gb/s at 1.55pJ/b/m. , 2017, , .		22

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37	Tx-Rx Lens-Based Satellite-on-the-Move Ka-Band Antenna. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1408-1411.	4.0	21
38	Equivalent Circuit Modeling to Design a Dual-Band Dual Linear-to-Circular Polarizer Surface. IEEE Transactions on Antennas and Propagation, 2020, 68, 5730-5735.	5.1	21
39	Design and Ranging Performance of a Low-profile UWB Antenna for WBAN Localization Applications. IEEE Transactions on Antennas and Propagation, 2014, 62, 6420-6427.	5.1	19
40	Experimental verification of â€~waveguide' plasmonics. New Journal of Physics, 2017, 19, 123017.	2.9	19
41	Synthesis of Shaped-Beam Radiation Patterns at Millimeter-Waves Using Transmit Arrays. IEEE Transactions on Antennas and Propagation, 2018, 66, 4017-4024.	5.1	19
42	Experimental demonstration of a structured material with extreme effective parameters at microwaves. Applied Physics Letters, 2008, 93, 174103.	3.3	17
43	Ball Grid Array-Module With Integrated Shaped Lens for WiGig Applications in Eyewear Devices. IEEE Transactions on Antennas and Propagation, 2016, 64, 872-882.	5.1	17
44	ILASH - Software tool for the design of integrated lens antennas. , 2008, , .		16
45	Review of 20 Years of Research on Microwave and Millimeter-wave Lenses at "Instituto de Telecomunicaço˜es". IEEE Antennas and Propagation Magazine, 2015, 57, 249-268.	1.4	16
46	A 120 GHz 3D-printed plastic elliptical lens antenna with an IPD patch antenna source. , 2014, , .		13
47	Design of a 40 dBi planar bifocal lens for mechanical beam steering at Ka-band. , 2016, , .		13
48	Modified split-step Fourier method for the numerical simulation of soliton amplification in erbium-doped fibers with forward-propagating noise. IEEE Journal of Quantum Electronics, 2001, 37, 145-152.	1.9	12
49	RFID-based Smart Blood Stock System [Education Column]. IEEE Antennas and Propagation Magazine, 2015, 57, 54-65.	1.4	12
50	Antenna phase center determination from amplitude measurements using a focusing lens. , 2010, , .		11
51	Low-cost 3D-printed 240 GHz plastic lens fed by integrated antenna in organic substrate targeting sub-THz high data rate wireless links. , 2017, , .		11
52	Development of an Anthropomorphic Phantom of the Axillary Region for Microwave Imaging Assessment. Sensors, 2020, 20, 4968.	3.8	11
53	UHF RFID smart conveyor belt with confined detection range. , 2009, , .		10
54	Bessel Beam Generation Using Dielectric Planar Lenses at Millimeter Frequencies. IEEE Access, 2020, 8, 216185-216196.	4.2	10

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55	Spatially Confined UHF RFID Detection With a Metamaterial Grid. IEEE Transactions on Antennas and Propagation, 2014, 62, 378-384.	5.1	9
56	Millimeter-wave antenna-in-package solutions for WiGig and backhaul applications. , 2015, , .		9
57	Benchmark of lens antennas for KA-band global earth observation from leo satellites. , 2006, , .		8
58	Integrated imaging lens antenna with broadband feeds. , 2007, , .		8
59	Reversed rainbow with a nonlocal metamaterial. Applied Physics Letters, 2014, 105, .	3.3	8
60	A Graphical Aid for the Complex Permittivity Measurement at Microwave and Millimeter Wavelengths. IEEE Microwave and Wireless Components Letters, 2014, 24, 421-423.	3.2	8
61	Noncollimating MMW Polyethylene Lens Mitigating Dual-Source Offset From a Tx/Rx WiGig Module. IEEE Transactions on Antennas and Propagation, 2015, 63, 5908-5913.	5.1	8
62	Multiple-Beam Focal-Plane Dual-Band Fabry–Pérot Cavity Antenna With Reduced Beam Degradation. IEEE Transactions on Antennas and Propagation, 2019, 67, 4348-4356.	5.1	8
63	3D-Printed transmit-array antenna for broadband backhaul 5G links at V band. IEEE Antennas and Wireless Propagation Letters, 2020, , 1-1.	4.0	8
64	Resolving subwavelength objects with a crossed wire mesh superlens operated in backscattering mode. New Journal of Physics, 2011, 13, 053004.	2.9	7
65	Focal-Plane Multibeam Dual-Band Dielectric Lens for Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 432-436.	4.0	7
66	Integrated Lens Antennas. Signals and Communication Technology, 2018, , 3-36.	0.5	7
67	Dielectric Lens Antennas. , 2015, , 1-54.		7
68	Broadband UHF RFID passive tag antenna for near-body operation. , 2012, , .		6
69	Viability of wallâ€embedded tag antenna for ultraâ€wideband realâ€time suitcase localisation. IET Microwaves, Antennas and Propagation, 2014, 8, 423-428.	1.4	6
70	Prototype of a compact mechanically steered Ka-band antenna for satellite on-the-move. , 2016, , .		6
71	Comparing liquid homogeneous and multilayer phantoms for human body implantable antennas. , 2016, , .		6
72	3D printing technology: Enabling innovative & cost effective industrial antenna solution. , 2016, , .		6

#	Article	IF	CITATIONS
73	Development of an indoor Wireless Personal Area Network based on mechanically steered millimeter-wave lens antenna. , 2010, , .		5
74	Tapered waveguide feed for integrated dielectric lens antenna performance tests. , 2011, , .		5
75	Antenna-filter-antenna-based cell for linear-to-circular polarizer transmit-array. , 2017, , .		5
76	Applying Massively Parallel Computing to Multiscale Ka Dual-Band Transmit-Array Analysis Using FETI-2LM. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2020, 5, 235-244.	2.2	5
77	Design of a shaped double-shell lens feed for a quasi-optical reflector system. , 2007, , .		4
78	MEMS reconfigurable stacked antenna for WLAN applications. , 2008, , .		4
79	Broadband reflector fed by integrated lens antenna with frequency constant directivity. , 2010, , .		4
80	Design and analysis of a Ka-band coaxial-to-quad-ridged circular waveguide transition. , 2014, , .		4
81	Wide-angle mechanical scanning Transmit-arrays for Satellite Ka-band user terminals. , 2018, , .		4
82	Preliminary Characterization of Microwave Backscattering of Floating Plastic. , 2021, , .		4
83	Comparison of Slot-based and Vivaldi Antennas for Breast Tumor Detection using Machine Learning and Microwave Imaging Algorithms. , 2021, , .		4
84	Numerical Assessment of Microwave Imaging for Axillary Lymph Nodes Screening Using Anthropomorphic Phantom. , 2021, , .		4
85	Study of Freezing and Defrosting Effects on Complex Permittivity of Biological Tissues. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2210-2214.	4.0	4
86	Experimental Evaluation of Thin Bone Fracture Detection Using Microwave Imaging. , 2022, , .		4
87	Multichannel soliton amplification in erbium-doped fiber amplifiers. Microwave and Optical Technology Letters, 1998, 19, 309-313.	1.4	3
88	Double-shell axial-symmetric imaging lens antenna for space applications. , 0, , .		3
89	Guest Editorial for the Special Issue on Antennas and Propagation at mm- and Sub mm-Waves. IEEE Transactions on Antennas and Propagation, 2013, 61, 1502-1507.	5.1	3
90	Wideband and High-Selectivity Dual-Band Filter for Ka-Band Satellite Antennas. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1627-1630.	4.0	3

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91	Efficient Evaluation of Gradient Transmit-Arrays Through an Equivalent Dispersive Dielectric Description. IEEE Transactions on Antennas and Propagation, 2019, 67, 5997-6007.	5.1	3
92	Development of a Transmission-Based Open-Ended Coaxial-Probe Suitable for Axillary Lymph Node Dielectric Measurements. , 2020, , .		3
93	Evaluation of a Dielectric-Only Transmitarray for Generating Multi-Focusing Near-Field Spots Using a Cluster of Feeds in the Ka-Band. Sensors, 2021, 21, 422.	3.8	3
94	A study on the sensitivity of microwave imaging for detecting small-width bone fractures. , 2021, , .		3
95	Systematic Analysis of Microwave Breast Imaging Detection of Different-Sized Malignant and Benign Tumors. , 2022, , .		3
96	Numerical study of passive gain equalization with twin-core fiber coupler amplifiers for WDM systems. IEEE Journal of Quantum Electronics, 2001, 37, 1553-1561.	1.9	2
97	Low-cost mechanically steered millimeter-wave lens antenna system for indoor LANs. , 2010, , .		2
98	Design of a passive tag for indoor localization. , 2012, , .		2
99	UWB Real Time Localization platform for fast system performance evaluation. , 2013, , .		2
100	Comparizon of 3D printed Plastic and micromachined Teflon Lenses for WiGig modules. , 2014, , .		2
101	Low-cost 60 GHz 3D printed lens fed by a planar source with WR15 transition integrated on FR4 PCB. , 2017, , .		2
102	Miniaturized implantable patch antenna for near-field communication at ISM band. , 2017, , .		2
103	Transmit array as a viable 3D printing option for backhaul applications at V-band. , 2017, , .		2
104	Low-Cost Wide-Band V-Band Patch Antenna on FR4 PCB. , 2018, , .		2
105	Crossed exponentially tapered slot antenna for UWB applications. , 2008, , .		1
106	Optimization of mechanically beam-steerable lens antenna profile for 60CHz wireless communications. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1
107	Design of double material integrated scanning lens antennas. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1

108 UWB crossed exponentially tapered slot antenna with WLAN band rejection. , 2009, , .

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#	Article	F	CITATIONS
109	UHF RFID cabinet. , 2011, , .		1
110	Feasibility study of suitcase identification and imaging Using a UWB tag. , 2012, , .		1
111	Low profile UWB antenna for Wireless Body Area Networks. , 2014, , .		1
112	FSS design for dual-band and low profile Fabry-Pérot antenna at Ka-band. , 2014, , .		1
113	RFID chip characterization through S-parameter measurements and gene expression programming. , 2014, , .		1
114	A planar feed for SOTM Ka-band lens antennas. , 2015, , .		1
115	Threeâ€dimensional printed ABS plastic peanutâ€lens with integrated ball grid array module for highâ€dataâ€rate communications in Fâ€band. IET Microwaves, Antennas and Propagation, 2017, 11, 2021-2026.	1.4	1
116	Assessment of FETI DDM methodologies for the simulation of high gain Ka-band transmit arrays. , 2017, , .		1
117	Wrist-Worn RFID Antenna Printed on Additive Manufactured Flexible Substrate. , 2019, , .		1
118	Antenna Phase Center and Angular Dispersion Estimation Using Planar Acquisition Setup Applied to Microwave Breast Imaging. , 2020, , .		1
119	Reducing Beam Aberrations of Mechanical Scanning Transmit-array Antennas. , 2020, , .		1
120	Passive UHF RFID smart polling device. , 2010, , .		0
121	Broadband superlensing using a metamaterial with an extreme index of refraction: Salient features, physical principles and analytical modeling. , 2010, , .		0
122	Impact of a new wideband slot array on MIMO indoor system performance. , 2011, , .		0
123	Design of a UWB stacked antenna for body area network applications. , 2014, , .		Ο
124	Influence of body placement on low profile UWB antenna off-body ranging performance. , 2015, , .		0
125	Low-profile wideband stick-on antenna for body-area communication. , 2016, , .		0
126	Generic formulation for transmit-array dual-band unit-cell design. , 2017, , .		0

#	Article	IF	CITATIONS
127	Link budget study and realization of time-domain measurement setup for implantable antennas. , 2017, , .		0
128	Low-cost plastic lens fabricated in FDM 3D-printing technology targeting high data rate wireless links above 200 GHz. , 2017, , .		0
129	Phase-only Shaped Beam Transmit-Array. , 2018, , .		0
130	Equivalent Dielectric Description of Transmit-arrays as an efficient and accurate method of analysis. , 2020, , .		0
131	Transmit-array antenna with aberration-free wide-angle scanning using mechanical in-plane movements. , 2021, , .		0