

# Guy A E Vandebosch

## List of Publications by Year in descending order

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293  
papers

7,176  
citations

61984

43  
h-index

76900

74  
g-index

294  
all docs

294  
docs citations

294  
times ranked

5980  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmon Line Shaping Using Nanocrosses for High Sensitivity Localized Surface Plasmon Resonance Sensing. Nano Letters, 2011, 11, 391-397.	9.1	432
2	Experimental Realization of Subradiant, Superradiant, and Fano Resonances in Ring/Disk Plasmonic Nanocavities. ACS Nano, 2010, 4, 1664-1670.	14.6	390
3	An Efficient Method for Antenna Design Optimization Based on Evolutionary Computation and Machine Learning Techniques. IEEE Transactions on Antennas and Propagation, 2014, 62, 7-18.	5.1	194
4	Radiation Pattern-Reconfigurable Wearable Antenna Based on Metamaterial Structure. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1715-1718.	4.0	174
5	Mutual Coupling Reduction Between Planar Antennas by Using a Simple Microstrip U-Section. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1501-1503.	4.0	173
6	Design of a Broadband All-Textile Slotted PIFA. IEEE Transactions on Antennas and Propagation, 2012, 60, 379-384.	5.1	171
7	Reactive Energies, Impedance, and $\{m Q\}$ Factor of Radiating Structures. IEEE Transactions on Antennas and Propagation, 2010, 58, 1112-1127.	5.1	158
8	Low-Profile Dual-Band Textile Antenna With Artificial Magnetic Conductor Plane. IEEE Transactions on Antennas and Propagation, 2014, 62, 6487-6490.	5.1	157
9	Analysis of an Indoor Biomedical Radar-Based System for Health Monitoring. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2061-2068.	4.6	147
10	Photon Spin Hall Effect-Based Ultra-Thin Transmissive Metasurface for Efficient Generation of OAM Waves. IEEE Transactions on Antennas and Propagation, 2019, 67, 4650-4658.	5.1	147
11	Dual-Band Textile MIMO Antenna Based on Substrate-Integrated Waveguide (SIW) Technology. IEEE Transactions on Antennas and Propagation, 2015, 63, 4640-4647.	5.1	145
12	Wearable Dual-Band Magneto-Electric Dipole Antenna for WBAN/WLAN Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 4165-4169.	5.1	133
13	A High-Fidelity All-Textile UWB Antenna With Low Back Radiation for Off-Body WBAN Applications. IEEE Transactions on Antennas and Propagation, 2016, 64, 757-760.	5.1	127
14	Compact circular polarizer based on chiral twisted double split-ring resonator. Applied Physics Letters, 2013, 102, .	3.3	126
15	Wearable Button Antenna for Dual-Band WLAN Applications With Combined on and off-Body Radiation Patterns. IEEE Transactions on Antennas and Propagation, 2017, 65, 1384-1387.	5.1	120
16	How Ultranarrow Gap Symmetries Control Plasmonic Nanocavity Modes: From Cubes to Spheres in the Nanoparticle-on-Mirror. ACS Photonics, 2017, 4, 469-475.	6.6	115
17	Compact All-Textile Dual-Band Antenna Loaded With Metamaterial-Inspired Structure. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1486-1489.	4.0	107
18	Upper bounds for the solar energy harvesting efficiency of nano-antennas. Nano Energy, 2012, 1, 494-502.	16.0	92

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19	Directional Fluorescence Emission by Individual V-Antennas Explained by Mode Expansion. ACS Nano, 2014, 8, 8232-8241.	14.6	84
20	Wearable Ultrawideband Technology—A Review of Ultrawideband Antennas, Propagation Channels, and Applications in Wireless Body Area Networks. IEEE Access, 2018, 6, 42177-42185.	4.2	84
21	Far-Field On-Chip Antennas Monolithically Integrated in a Wireless-Powered 5.8-GHz Downlink/UWB Uplink RFID Tag in 0.18- $\mu\text{m}$ Standard CMOS. IEEE Journal of Solid-State Circuits, 2010, 45, 1746-1758.	5.4	67
22	A Novel Design Approach for Compact Wearable Antennas Based on Metasurfaces. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 918-927.	4.0	66
23	A smart wearable textile array system for biomedical telemetry applications. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2253-2261.	4.6	64
24	Compact Dual-Band Textile PIFA for 433-MHz/2.4-GHz ISM Bands. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2436-2439.	4.0	64
25	Dark and bright localized surface plasmons in nanocrosses. Optics Express, 2011, 19, 11034.	3.4	63
26	Measurement and Performance of Textile Antenna Efficiency on a Human Body in a Reverberation Chamber. IEEE Transactions on Antennas and Propagation, 2013, 61, 871-881.	5.1	61
27	Detecting mid-infrared light by molecular frequency upconversion in dual-wavelength nanoantennas. Science, 2021, 374, 1268-1271.	12.6	61
28	Separation of Horizontal and Vertical Dependencies in a Surface/Volume Integral Equation Approach to Model Quasi 3-D Structures in Multilayered Media. IEEE Transactions on Antennas and Propagation, 2007, 55, 1086-1094.	5.1	58
29	Wideband Harmonic Rejection Filtenna for Wireless Power Transfer. IEEE Transactions on Antennas and Propagation, 2014, 62, 371-377.	5.1	58
30	Fast Dynamic Color Switching in Temperature-Responsive Plasmonic Films. Advanced Optical Materials, 2016, 4, 877-882.	7.3	56
31	Compact Circularly Polarized Wearable Button Antenna With Broadside Pattern for U-NII Worldwide Band Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 1341-1345.	5.1	56
32	Low-Profile Circularly Polarized Array With Gain Enhancement and RCS Reduction Using Polarization Conversion EBG Structures. IEEE Transactions on Antennas and Propagation, 2020, 68, 2440-2445.	5.1	56
33	Optimal solar energy harvesting efficiency of nano-rectenna systems. Solar Energy, 2013, 88, 163-174.	6.1	55
34	Wideband CPW-Fed Flexible Bow-Tie Slot Antenna for WLAN/WiMax Systems. IEEE Transactions on Antennas and Propagation, 2017, 65, 4274-4277.	5.1	55
35	Energy Stored by Radiating Systems. IEEE Access, 2018, 6, 10553-10568.	4.2	54
36	Plasmon-Enhanced Sub-Wavelength Laser Ablation: Plasmonic Nanojets. Advanced Materials, 2012, 24, OP29-35.	21.0	53

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37	Simple Procedure to Derive Lower Bounds for Radiation $Q$ of Electrically Small Devices of Arbitrary Topology. IEEE Transactions on Antennas and Propagation, 2011, 59, 2217-2225.	5.1	50
38	Finite Large Antenna Arrays for Massive MIMO: Characterization and System Impact. IEEE Transactions on Antennas and Propagation, 2017, 65, 6712-6720.	5.1	50
39	A Miniature Feeding Network for Aperture-Coupled Wearable Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 2650-2654.	5.1	49
40	Wearable dual-band composite right/left-handed waveguide textile antenna for WLAN applications. Electronics Letters, 2014, 50, 424-426.	1.0	48
41	Realization of Dual-Band Pattern Diversity With a CRLH-TL-Inspired Reconfigurable Metamaterial. IEEE Transactions on Antennas and Propagation, 2018, 66, 5130-5138.	5.1	48
42	Versatile Cross-Polarization Conversion Chiral Metasurface for Linear and Circular Polarizations. Advanced Optical Materials, 2020, 8, 2000194.	7.3	47
43	An Integrated a-IGZO UHF Energy Harvester for Passive RFID Tags. IEEE Transactions on Electron Devices, 2014, 61, 3289-3295.	3.0	44
44	Design of Wideband Button Antenna Based on Characteristic Mode Theory. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1383-1391.	4.0	42
45	Low-Profile Dual-Band Pattern Diversity Patch Antenna Based on Composite Right/Left-Handed Transmission Line. IEEE Transactions on Antennas and Propagation, 2017, 65, 2808-2815.	5.1	41
46	Dependence of RFID Reader Antenna Design on Read Out Distance. IEEE Transactions on Antennas and Propagation, 2008, 56, 3829-3837.	5.1	39
47	On the use of the method of moments in plasmonic applications. Radio Science, 2011, 46, .	1.6	39
48	ON-BODY CHARACTERIZATION OF DUAL-BAND ALL-TEXTILE PIFA. Progress in Electromagnetics Research, 2012, 129, 517-539.	4.4	39
49	Dual-Band Suspended-Plate Wearable Textile Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 583-586.	4.0	39
50	Comparison of electromagnetic shielding effectiveness of conductive single jersey fabrics with coaxial transmission line and free space measurement techniques. Textile Research Journal, 2014, 84, 461-476.	2.2	39
51	A Broadband Low-RCS Metasurface for CP Patch Antennas. IEEE Transactions on Antennas and Propagation, 2021, 69, 3529-3534.	5.1	39
52	An Effective Technique for Symmetric Planar Monopole Antenna Miniaturization. IEEE Transactions on Antennas and Propagation, 2009, 57, 2989-2996.	5.1	38
53	Comparison of Hydrodynamic Models for the Electromagnetic Nonlocal Response of Nanoparticles. Advanced Theory and Simulations, 2018, 1, 1800076.	2.8	37
54	Radiators in Time Domain—Part II: Finite Pulses, Sinusoidal Regime and Q Factor. IEEE Transactions on Antennas and Propagation, 2013, 61, 4004-4012.	5.1	36

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55	Generalized Ray Theory for Time-Domain Electromagnetic Fields in Horizontally Layered Media. IEEE Transactions on Antennas and Propagation, 2013, 61, 2676-2687.	5.1	36
56	U-shaped Switches for Optical Information Processing at the Nanoscale. Small, 2011, 7, 2573-2576.	10.0	35
57	Dual-Band Dual-Polarized Wearable Button Array With Miniaturized Radiator. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1583-1592.	4.0	35
58	Radiators in Time Domain—Part I: Electric, Magnetic, and Radiated Energies. IEEE Transactions on Antennas and Propagation, 2013, 61, 3995-4003.	5.1	34
59	Revealing Nanostructures through Plasmon Polarimetry. ACS Nano, 2017, 11, 850-855.	14.6	33
60	Low-Cost Wideband Microstrip Arrays With High Aperture Efficiency. IEEE Transactions on Antennas and Propagation, 2012, 60, 3028-3034.	5.1	32
61	Metamaterial-inspired dual-band frequency-reconfigurable antenna with pattern diversity. Electronics Letters, 2019, 55, 573-574.	1.0	31
62	A Review of Antenna Analysis Using Characteristic Modes. IEEE Access, 2021, 9, 98833-98862.	4.2	31
63	Millimeter-Wave Horn-Type Antenna-in-Package Solution Fabricated in a Teflon-Based Multilayer PCB Technology. IEEE Transactions on Antennas and Propagation, 2013, 61, 1581-1590.	5.1	30
64	A NOVEL 2.45 GHz SWITCHABLE BEAM TEXTILE ANTENNA (SBTA) FOR OUTDOOR WIRELESS BODY AREA NETWORK (WBAN) APPLICATIONS. Progress in Electromagnetics Research, 2013, 138, 613-627.	4.4	29
65	VO <sub>2</sub> -hBN-graphene-based bi-functional metamaterial for mid-infrared bi-tunable asymmetric transmission and nearly perfect resonant absorption. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1607.	2.1	29
66	Omni-Directional Circularly Polarized Button Antenna for 5 GHz WBAN Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 5054-5059.	5.1	28
67	Automatic AI-Driven Design of Mutual Coupling Reducing Topologies for Frequency Reconfigurable Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 1831-1836.	5.1	27
68	NOVEL LOW-COST END-WALL MICROSTRIP-TO-WAVEGUIDE SPLITTER TRANSITION. Progress in Electromagnetics Research, 2010, 101, 75-96.	4.4	26
69	Zeroth-order resonant circular patch antenna based on periodic structures. IET Microwaves, Antennas and Propagation, 2014, 8, 1432-1439.	1.4	26
70	Omnidirectional Wideband E-Shaped Cylindrical Patch Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 796-800.	5.1	26
71	Multilayer Compact Grid Antenna Array for 79 GHz Automotive Radar Applications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1677-1681.	4.0	26
72	Dual-band broadband highly efficient reflective multi-polarisation converter based on multi-order plasmon resonant metasurface. IET Microwaves, Antennas and Propagation, 2020, 14, 967-972.	1.4	26

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73	Line Position and Quality Factor of Plasmonic Resonances Beyond the Quasi-Static Limit: A Full-Wave Eigenmode Analysis Route. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 4600908-4600908.	2.9	25
74	Stored electromagnetic energy and quality factor of radiating structures. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150870.	2.1	25
75	Utilization of Stainless-steel Furnace Dust as an Admixture for Synthesis of Cement-based Electromagnetic Interference Shielding Composites. Scientific Reports, 2017, 7, 15368.	3.3	25
76	A Boundary Integral Equation Scheme for Simulating the Nonlocal Hydrodynamic Response of Metallic Antennas at Deep-Nanometer Scales. IEEE Transactions on Antennas and Propagation, 2018, 66, 4759-4771.	5.1	25
77	Multi-Layer PCB Bow-Tie Antenna Array for (77-81) GHz Radar Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 2379-2386.	5.1	25
78	Conceptual Study of Analog Baseband Beam Forming: Design and Measurement of an Eight-by-Eight Phased Array. IEEE Transactions on Antennas and Propagation, 2009, 57, 1667-1672.	5.1	24
79	On the influence of RF absorbing material on the GNSS position. GPS Solutions, 2016, 20, 1-7.	4.3	24
80	Wideband Compact Comb-Line Antenna Array for 79 GHz Automotive Radar Applications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1580-1583.	4.0	24
81	Appropriate Nonlocal Hydrodynamic Models for the Characterization of Deep-Nanometer Scale Plasmonic Scatterers. Advanced Theory and Simulations, 2020, 3, 1900172.	2.8	24
82	A 14-50-GHz Phase Shifter With All-Pass Networks for 5G Mobile Applications. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 762-774.	4.6	23
83	EFFICIENT EVALUATION OF GREEN'S FUNCTIONS FOR LOSSY HALF-SPACE PROBLEMS. Progress in Electromagnetics Research, 2010, 109, 139-157.	4.4	21
84	Integral equations formulation of plasmonic transmission lines. Optics Express, 2014, 22, 22388.	3.4	21
85	Low-Profile Broadband Antenna With Pattern Diversity. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1231-1235.	4.0	21
86	Prediction of Capacitor's Accelerated Aging Based on Advanced Measurements and Deep Neural Network Techniques. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9019-9027.	4.7	21
87	The Antenna Software Initiative (ASI): ACE Results and EuRAAP Continuation. IEEE Antennas and Propagation Magazine, 2009, 51, 85-92.	1.4	20
88	Broadband negative refractive index obtained by plasmonic hybridization in metamaterials. Applied Physics Letters, 2016, 109, .	3.3	20
89	Building materials and electromagnetic radiation: The role of material and shape. Journal of Building Engineering, 2016, 5, 96-103.	3.4	20
90	Dielectric Properties of <i>Ex Vivo</i> Porcine Liver Tissue Characterized at Frequencies Between 5 and 500 kHz When Heated at Different Rates. IEEE Transactions on Biomedical Engineering, 2018, 65, 2560-2568.	4.2	20

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91	Study of the correlation between outdoor and indoor electromagnetic exposure near cellular base stations in Leuven, Belgium. <i>Environmental Research</i> , 2019, 168, 428-438.	7.5	20
92	An Innovated Application of Reutilize Copper Smelter Slag for Cement-based Electromagnetic Interference Composites. <i>Scientific Reports</i> , 2018, 8, 16155.	3.3	19
93	Optimal Design of a Highly Compact Low-Cost and Strongly Coupled 4 Element Array for WLAN. <i>IEEE Transactions on Antennas and Propagation</i> , 2011, 59, 1061-1065.	5.1	18
94	Nanostripe length dependence of plasmon-induced material deformations. <i>Optics Letters</i> , 2013, 38, 2256.	3.3	18
95	A SYSTEMATIC DESIGN PROCEDURE FOR MICROSTRIP-BASED UNIDIRECTIONAL UWB ANTENNAS. <i>Progress in Electromagnetics Research</i> , 2013, 143, 105-130.	4.4	18
96	On the Use of Group Theory in Understanding the Optical Response of a Nanoantenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 1589-1602.	5.1	18
97	Dual-Band Planar Bowtie Monopole for a Fall-Detection Radar and Telemetry System. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012, 11, 1698-1701.	4.0	17
98	Near-Field Mapping of Optical Fabry-Pérot Modes in All-Dielectric Nanoantennas. <i>Nano Letters</i> , 2017, 17, 7629-7637.	9.1	17
99	Benchmarking of software tools for the characterization of nanoparticles. <i>Optics Express</i> , 2017, 25, 26760.	3.4	17
100	Experimental Assessment of the Coarray Concept for DoA Estimation in Wireless Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 3064-3075.	5.1	17
101	Director-Loaded Magneto-Electric Dipole Antenna With Wideband Flat Gain. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 6761-6769.	5.1	17
102	Mutual Coupling Suppression for On-Body Multiantenna Systems. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020, 62, 1045-1054.	2.2	17
103	A Quantitative Approach to Eavesdrop Video Display Systems Exploiting Multiple Electromagnetic Leakage Channels. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020, 62, 663-672.	2.2	17
104	Radial CRLH-TL-Based Dual-Band Antenna With Frequency Agility. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 5664-5669.	5.1	17
105	Explicit Relation Between Volume and Lower Bound for Q for Small Dipole Topologies. <i>IEEE Transactions on Antennas and Propagation</i> , 2012, 60, 1147-1152.	5.1	16
106	Interacting plasmonic nanostructures beyond the quasi-static limit: a "circuit" model. <i>Optics Express</i> , 2013, 21, 31105.	3.4	16
107	Enantiomorphing Chiral Plasmonic Nanostructures: A Counterintuitive Sign Reversal of the Nonlinear Circular Dichroism. <i>Advanced Optical Materials</i> , 2018, 6, 1800153.	7.3	16
108	Ultra-broadband and high-efficiency reflective polarization rotator based on fractal metasurface with multiple plasmon resonances. <i>Optics Communications</i> , 2019, 449, 73-78.	2.1	16

#	ARTICLE	IF	CITATIONS
109	Measuring optical activity in the far-field from a racemic nanomaterial: diffraction spectroscopy from plasmonic nanogratings. <i>Nanoscale Horizons</i> , 2019, 4, 1056-1062.	8.0	16
110	A Potential-Based Formalism for Modeling Local and Hydrodynamic Nonlocal Responses From Plasmonic Waveguides. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 3948-3960.	5.1	16
111	A Monolithically Integrated On-Chip Antenna in 0.18 $\mu\text{m}$ Standard CMOS Technology for Far-Field Short-Range Wireless Powering. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010, 9, 631-633.	4.0	15
112	Effect of Short-Term GSM Radiation at Representative Levels in Society on a Biological Model: The Ant <i>Myrmica sabuleti</i> . <i>Journal of Insect Behavior</i> , 2014, 27, 514-526.	0.7	15
113	Metamaterial inspired miniaturized SIW resonator for sensor applications. <i>Sensors and Actuators A: Physical</i> , 2018, 283, 313-316.	4.1	15
114	Wideband SIW-Based Low-Cost Multilayer Slot Antenna Array for $\text{E}$ -Band Applications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019, 9, 1568-1575.	2.5	15
115	Miniaturized Triple-Band Highly Transparent Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 712-718.	5.1	15
116	Two-Stage Design Method for Enhanced Inductive Energy Transmission with Q-Constrained Planar Square Loops. <i>PLoS ONE</i> , 2016, 11, e0148808.	2.5	15
117	Symmetry-Protected Spoof Localized Surface Plasmonic Skyrmion. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	15
118	Transmissive terahertz metasurfaces with vanadium dioxide split-rings and grids for switchable asymmetric polarization manipulation. <i>Scientific Reports</i> , 2022, 12, 3518.	3.3	15
119	3D-Antenna-in-Package Solution for Microwave Wireless Sensor Network Nodes. <i>IEEE Transactions on Antennas and Propagation</i> , 2011, 59, 3617-3623.	5.1	14
120	A Practical Attack on KeeLoq. <i>Journal of Cryptology</i> , 2012, 25, 136-157.	2.8	14
121	Low-profile omnidirectional antenna for automatic dependent surveillance " broadcast applications. <i>Electronics Letters</i> , 2015, 51, 1732-1734.	1.0	14
122	Novel Wire-Grid Nano-Antenna Array With Circularly Polarized Radiation for Wireless Optical Communication Systems. <i>Journal of Lightwave Technology</i> , 2017, 35, 4700-4706.	4.6	14
123	An Iterative Interpolated DFT to Remove Spectral Leakage in Time-Domain Near-Field Scanning. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018, 60, 202-210.	2.2	14
124	A Low-Profile Wideband Microstrip Antenna With Pattern Diversity Based on Composite Right/Left-Handed Transmission Lines. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1478-1482.	4.0	14
125	Simple Triple-Mode Dual-Polarized Dipole Antenna With Small Frequency Separation Ratio. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 262-266.	4.0	13
126	High-efficiency multi-band multi-polarization metasurface-based reflective converter with multiple plasmon resonances. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	13



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127	Assessment of multilayered graphene technology for flexible antennas at microwave frequencies. Microwave and Optical Technology Letters, 2017, 59, 2604-2610.	1.4	12
128	Optimizing the bowtie nano-rectenna topology for solar energy harvesting applications. Solar Energy, 2017, 157, 259-262.	6.1	12
129	A Review on the Application of Integral Equation-Based Computational Methods to Scattering Problems in Plasmonics. Advanced Theory and Simulations, 2019, 2, 1900087.	2.8	12
130	Mutual Coupling-Based Compact Wideband Circularly Polarized Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 4872-4877.	5.1	12
131	Differential Signaling Compromises Video Information Security Through AM and FM Leakage Emissions. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2376-2385.	2.2	12
132	Tailoring far-infrared surface plasmon polaritons of a single-layer graphene using plasmon-phonon hybridization in graphene-LiF heterostructures. Scientific Reports, 2018, 8, 13209.	3.3	11
133	Study of the electromagnetic exposure from mobile phones in a city like environment: The case study of Leuven, Belgium. Environmental Research, 2019, 175, 402-413.	7.5	11
134	A Wideband Low-RCS Metasurface-Inspired Circularly Polarized Slot Array Based on AI-Driven Antenna Design Optimization Algorithm. IEEE Transactions on Antennas and Propagation, 2022, 70, 8584-8589.	5.1	11
135	GREEN'S FUNCTIONS OF FILAMENT SOURCES EMBEDDED IN STRATIFIED DIELECTRIC MEDIA. Progress in Electromagnetics Research, 2006, 62, 21-40.	4.4	10
136	An Architectural Scheme for Real-Time Multiple Users Beam Tracking Systems. IEEE Systems Journal, 2017, 11, 2905-2916.	4.6	10
137	Automated Line-Based Sequential Sampling and Modeling Algorithm for EMC Near-Field Scanning. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 704-709.	2.2	10
138	Temperature-mediated invocation of the vacuum state for switchable ultrawide-angle and broadband deflection. Scientific Reports, 2018, 8, 15044.	3.3	10
139	Tunable infrared asymmetric light transmission and absorption via graphene-hBN metamaterials. Journal of Applied Physics, 2019, 126, .	2.5	10
140	Variable-Phase All-Pass Network Synthesis and Its Application to a 14-54 GHz Multiband Continuous-Tune Phase Shifter in Silicon. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3480-3496.	4.6	10
141	A Wearable Button Antenna Sensor for Dual-Mode Wireless Information and Power Transfer. Sensors, 2021, 21, 5678.	3.8	10
142	Customizing the Topological Charges of Vortex Modes by Exploiting Symmetry Principles. Laser and Photonics Reviews, 2022, 16, .	8.7	10
143	Low-Profile Dual-Polarized Multi-Beam Antenna Based on Pillbox Reflector and 3D-Printed Ridged Waveguide. IEEE Transactions on Antennas and Propagation, 2022, 70, 7578-7591.	5.1	10
144	Concept Study of a Shorted Annular Patch Antenna: Design and Fabrication on a Conducting Cylinder. IEEE Transactions on Antennas and Propagation, 2011, 59, 2097-2102.	5.1	9

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145	INCREASING THE NRI BANDWIDTH OF DIELECTRIC SPHERE-BASED METAMATERIALS BY COATING. Progress in Electromagnetics Research, 2012, 132, 1-23.	4.4	9
146	CYLINDRICAL MICROSTRIP ARRAY ANTENNAS WITH SLOTTED STRIP-FRAMED PATCHES. Progress in Electromagnetics Research, 2013, 139, 539-558.	4.4	9
147	Implementation of the Natural Mode Analysis for Nanotopologies Using a Volumetric Method of Moments (V-MoM) Algorithm. IEEE Photonics Journal, 2014, 6, 1-13.	2.0	9
148	Tunable deflection and asymmetric transmission of THz waves using a thin slab of graphene-dielectric metamaterial, with and without ENZ components. Optical Materials Express, 2018, 8, 3887.	3.0	9
149	A Transmissive Frequency-Reconfigurable Cross-Polarization Conversion Surface. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 997-1001.	4.0	9
150	Analysis of a magnetic-line source on a truncated dielectric layer structure by using a combination of the expansion-wave concept and physical-optics methods. Microwave and Optical Technology Letters, 2000, 24, 414-418.	1.4	8
151	Benchmarking of Optimally Used Commercial Software Tools for Challenging Antenna Topologies: The 2012-2013 Run. IEEE Antennas and Propagation Magazine, 2013, 55, 281-292.	1.4	8
152	Removing the Spectral Leakage in Time-Domain Based Near-Field Scanning Measurements. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1329-1337.	2.2	8
153	Recoverable Energy of Radiating Structures. IEEE Transactions on Antennas and Propagation, 2017, 65, 3575-3588.	5.1	8
154	MILLIMETER WAVE CAVITY BACKED MICROSTRIP ANTENNA ARRAY FOR 79 GHZ RADAR APPLICATIONS. Progress in Electromagnetics Research, 2017, 158, 89-98.	4.4	8
155	Beam steerable subarray with small footprint for use as building block in wall-mounted indoor wireless infrastructure. IET Microwaves, Antennas and Propagation, 2019, 13, 526-531.	1.4	8
156	A Route to Unusually Broadband Plasmonic Absorption Spanning from Visible to Mid-infrared. Plasmonics, 2019, 14, 1269-1281.	3.4	8
157	Dual-band metasurface-based CP low-profile patch antenna with parasitic elements. IET Microwaves, Antennas and Propagation, 2019, 13, 2360-2364.	1.4	8
158	A Cost-Efficient 28 GHz Integrated Antenna Array With Full Impedance Matrix Characterization for 5G NR. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 666-670.	4.0	8
159	A Compact 26.5-29.5-GHz LNA-Phase-Shifter Combo With 360° Continuous Phase Tuning Based on All-Pass Networks for Millimeter-Wave 5G. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3927-3940.	5.4	8
160	Embedded arrays of annular apertures with multiband near-zero-index behavior and demultiplexing capability at near-infrared. Optical Materials Express, 2019, 9, 3169.	3.0	8
161	A simple Mie-resonator based meta-array with diverse deflection scenarios enabling multifunctional operation at near-infrared. Nanophotonics, 2020, 9, 4589-4600.	6.0	8
162	A digitally beam-steerable antenna array system for positioning-based tracking applications. IEEE Antennas and Propagation Magazine, 2013, 55, 35-49.	1.4	7

#	ARTICLE	IF	CITATIONS
163	Impulsive electromagnetic response of thin plasmonic metal sheets. <i>Radio Science</i> , 2014, 49, 689-697.	1.6	7
164	Auxiliary Dipoles to Compensate for the Finite Size of the Planar Scanning Area in Near-to-Far-Field Transformations. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015, 57, 1517-1528.	2.2	7
165	Continuously tunable band-stop filter based on coplanar waveguide with defected ground structure. , 2017, , .		7
166	Compact circularly polarized truncated square ring slot antenna with suppressed higher resonances. <i>PLoS ONE</i> , 2017, 12, e0172162.	2.5	7
167	Synchronization retrieval and image reconstruction of a video display unit exploiting its compromising emanations. , 2018, , .		7
168	Comparison of peak electromagnetic exposures from mobile phones operational in either data mode or voice mode. <i>Environmental Research</i> , 2021, 197, 110902.	7.5	7
169	Reconstructing Video Images in Color Exploiting Compromising Video Emanations. , 2020, , .		7
170	Modelling of microstrip antennas on a finite ground plane using the 2D physical optics model. <i>Microwave and Optical Technology Letters</i> , 2004, 40, 26-29.	1.4	6
171	Surface Impedance Modeling of Plasmonic Circuits at Optical Communication Wavelengths. <i>Journal of Lightwave Technology</i> , 2013, 31, 3315-3322.	4.6	6
172	Off-the-Shelf Low-Cost Target Tracking Architecture for Wireless Communications. <i>IEEE Systems Journal</i> , 2015, 9, 13-21.	4.6	6
173	META-LOADED CIRCULAR SECTOR PATCH ANTENNA. <i>Progress in Electromagnetics Research</i> , 2016, 156, 37-46.	4.4	6
174	A study of the effects of truncation errors on the compensation of EMI near-field probes. , 2016, , .		6
175	Bridging the Simulations-Measurements Gap: State of the Art [Meeting Reports]. <i>IEEE Antennas and Propagation Magazine</i> , 2016, 58, 12-14.	1.4	6
176	Simple conductor roughness modeling for microstrip lines. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 1999-2002.	1.4	6
177	A 15-43.5 GHz Switched-Bit Phase Shifter for 5G Mobile Handsets. , 2019, , .		6
178	Computationally Efficient Millimeter-Wave Backscattering Models: A Single-Scattering Model. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 6306-6316.	5.1	6
179	A Multistandard Antenna Based on a 2-D CRLH-TL in Polar Coordinates. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 332-336.	4.0	6
180	Microsized Graphene Helmholtz Resonator on Circular Dielectric Rod: A Tunable Sub-THz Frequency-Selective Scatterer. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 2105-2113.	5.1	6

#	ARTICLE	IF	CITATIONS
181	Antenna-in-package solution for 3D integration of millimeter-wave systems using a thin-film MCM technology. , 2011, , .		5
182	The Future of Computational Electromagnetics: Science or Product [EurAAP Corner]. IEEE Antennas and Propagation Magazine, 2011, 53, 264-269.	1.4	5
183	Miniaturized RFID/UWB Antenna Structure that Can be Optimized for Arbitrary Input Impedance. IEEE Antennas and Propagation Magazine, 2012, 54, 74-87.	1.4	5
184	Computational Electromagnetics: Commercial State-of-the-Art and Scientific Roadmaps [EurAAP Corner]. IEEE Antennas and Propagation Magazine, 2012, 54, 283-288.	1.4	5
185	AMC-INTEGRATED RECONFIGURABLE BEAMFORMING FOLDED DIPOLE ANTENNA WITH PARASITIC AND RF MEMS. Progress in Electromagnetics Research C, 2016, 69, 159-167.	0.9	5
186	Time-Domain Electromagnetic-Field Transmission Between Small-Loop Antennas on a Half-Space With Conductive and Dielectric Properties. IEEE Transactions on Antennas and Propagation, 2020, 68, 938-946.	5.1	5
187	Electromagnetism in the Electrical Engineering Classroom: Dominant trends in teaching classical electromagnetic field theory and innovation vectors. IEEE Antennas and Propagation Magazine, 2020, 62, 14-23.	1.4	5
188	Fast Characterization of Mutually Coupled Array Antennas Using Isolated Antenna Far-Field Data. IEEE Transactions on Antennas and Propagation, 2021, 69, 206-218.	5.1	5
189	Comparison of CBFM-Enhanced Iterative Methods for MoM-Based Finite Antenna Array Analysis. IEEE Transactions on Antennas and Propagation, 2022, 70, 3538-3548.	5.1	5
190	Enhancing the gain of microstrip antennas at different frequencies with one substrate-superstrate structure. Microwave and Optical Technology Letters, 2000, 27, 37-40.	1.4	4
191	Simple Technique to Predict Beam Direction Based on Element Pattern and Array Factor in Small- and Medium-Sized Arrays. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 763-766.	4.0	4
192	Semi-Analytical Modeling of Coaxial Feeds. IEEE Transactions on Antennas and Propagation, 2012, 60, 1252-1260.	5.1	4
193	On the Limitations of the Time-Domain Impedance Boundary Condition. IEEE Transactions on Antennas and Propagation, 2013, 61, 6094-6099.	5.1	4
194	Chiral structure based on bilayered displaced U pair. Europhysics Letters, 2013, 103, 18002.	2.0	4
195	A Dual-Band Cavity Antenna Embedded Within Multiple Metallic Enclosures. IEEE Transactions on Antennas and Propagation, 2016, 64, 1587-1594.	5.1	4
196	Near-Field Edge Extrapolation Using Auxiliary Dipoles to Improve Probe Compensation. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 576-583.	2.2	4
197	The hantenna: experimental assessment of the human hand as an antenna. IET Microwaves, Antennas and Propagation, 2018, 12, 773-778.	1.4	4
198	Connection of Collimation, Asymmetric Beaming, and Independent Transmission-Reflection Processes in Concentric-Groove Gratings Supporting Spoof Surface Plasmons. Plasmonics, 2019, 14, 721-729.	3.4	4

#	ARTICLE	IF	CITATIONS
199	Low-cost multi-layer parasitic patch antenna array for 79%GHz automotive radar applications. Microwave and Optical Technology Letters, 2019, 61, 56-62.	1.4	4
200	A novel full-parameter ageing modelling approach for capacitors based on complex impedance analysis. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 980-988.	2.9	4
201	Light guiding, bending, and splitting via local modification of interfaces of a photonic waveguide. Optics Letters, 2019, 44, 4725.	3.3	4
202	A compact triple-band dipole array antenna for selected sub 1GHz, 5G and WiFi access point applications. IET Microwaves, Antennas and Propagation, 2021, 15, 1866-1876.	1.4	4
203	Dual-Band Dual-Polarized Massive MIMO Array for Maritime Applications. , 2022, 6, 1-4.		4
204	A simple target tracking architecture for wireless communication applications. , 2012, , .		3
205	Computational electromagnetics: Commercial state-of-the-art and scientific road map. , 2012, , .		3
206	How to model connection wires in a circuit: From physical vector fields to circuit scalar quantities. American Journal of Physics, 2013, 81, 676-681.	0.7	3
207	Reply to "Comments on 'Reactive energies, impedance, and Q factor of radiating structures'". IEEE Transactions on Antennas and Propagation, 2013, 61, 6268-6268.	5.1	3
208	Radar range improvement using gradient-free optimization for health care applications. , 2016, , .		3
209	Spherical Wave Based Macromodels for Efficient System-Level EMC Analysis in Circuit Simulators Part I: Optimized Derivation and Truncation Criteria. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 1494-1505.	2.2	3
210	Dendritic optical antennas: scattering properties and fluorescence enhancement. Scientific Reports, 2017, 7, 6223.	3.3	3
211	Generalized mode solver for plasmonic transmission lines embedded in layered media based on the Method of Moments. Computer Physics Communications, 2018, 233, 1-15.	7.5	3
212	Modeling and Design Tools for Small Antennas: State of the Art and Future Perspectives [Meeting Report]. IEEE Antennas and Propagation Magazine, 2018, 60, 18-20.	1.4	3
213	Design of Wideband Wearable Antenna using Characteristic Mode Analysis. , 2019, , .		3
214	A 24 - 30 GHz Ultra-Compact Phase Shifter Using All-Pass Networks for 5G User Equipment. , 2020, , .		3
215	The Need For and How To Evaluate Continuous Wave Immunity of Wireless Systems used in V2X Applications. , 2020, , .		3
216	Wearable Button Antenna with Circular Polarization. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
217	Ultraminiature Antennas Combining Subwavelength Resonators and a Very-High- $\epsilon_{\mu}$ Uniform Substrate: The Case of Lithium Niobate. IEEE Transactions on Antennas and Propagation, 2020, 68, 5071-5081.	5.1	3
218	Analysis of Different Scalar Probe Compensation Methods for an Array of Near-Field EMI Probes. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 344-352.	2.2	3
219	Pulsed Electromagnetic Field Signal Transfer Across a Thin Magneto-Dielectric Sheet. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1058-1064.	2.2	3
220	Resilience of Time Diversity Against Multiharmonic Electromagnetic Disturbances Under Reverberation Conditions: An Overview of Fault Mechanisms. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 631-639.	2.2	3
221	FORMAT: A Reconfigurable Tile-Based Antenna Array System for 5G and 6G Millimeter-Wave Testbeds. IEEE Systems Journal, 2022, 16, 4489-4500.	4.6	3
222	79 GHz Multilayer Series-Fed Patch Antenna Array With Stacked Micro-Via Loading. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1990-1994.	4.0	3
223	Benchmarking of software tools for small planar antenna analysis. , 2010, , .		2
224	On the use of the Method of Moments in plasmonic applications. , 2010, , .		2
225	THz holographic imaging: A spatial-domain technique for phase retrieval and image reconstruction. , 2012, , .		2
226	Miniaturization of UWB Antennas and its Influence on Antenna-Transceiver Performance in Impulse-UWB Communication. Wireless Personal Communications, 2013, 71, 2913-2935.	2.7	2
227	Novel concept for microstrip stub resonant frequency control. , 2013, , .		2
228	Omnidirectional wide-band E-shaped cylindrical patch antenna with horizontal polarization. Microwave and Optical Technology Letters, 2016, 58, 875-877.	1.4	2
229	Wearable antenna with tripolarization capability. , 2017, , .		2
230	Dual-band WLAN button antenna for both on and off-body applications. , 2017, , .		2
231	Directive planar antenna array fed by dielectric waveguide for WiFi applications. Microwave and Optical Technology Letters, 2018, 60, 1963-1967.	1.4	2
232	PLANE WAVE SCATTERING BY PATCHES PERIODICALLY PLACED ON A DIELECTRIC ROD SURFACE. Progress in Electromagnetics Research M, 2019, 82, 61-71.	0.9	2
233	Analysis of Periodic Steady-States of Non-Linear Circuits Using the Discrete Singular Convolution Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1063-1067.	3.0	2
234	Calculation of the Best Fit Subreflector and Its Application in Eliminating the Harmless Error of Deformed Large Subreflectors. IEEE Transactions on Antennas and Propagation, 2020, 68, 5855-5863.	5.1	2

#	ARTICLE	IF	CITATIONS
235	Broadband Anomalous Refractor Based on Dispersion Engineering of Spoof Surface Plasmon Polaritons. IEEE Transactions on Antennas and Propagation, 2021, 69, 3050-3055.	5.1	2
236	Mobile Processor Energy Usage in the Scientific Environment. Computing in Science and Engineering, 2021, 23, 65-72.	1.2	2
237	Corrections to "Computationally Efficient Millimeter-Wave Backscattering Models: A Single-Scattering Model" [Aug 20 6306-6316]. IEEE Transactions on Antennas and Propagation, 2022, 70, 3134-3134.	5.1	2
238	Multifunctional blazed gratings for multiband spatial filtering, retroreflection, splitting, and demultiplexing based on $C^2$ symmetric photonic crystals. Journal of Applied Physics, 2022, 131, 223101.	2.5	2
239	Computationally Efficient Millimeter-Wave Scattering Models: A Multiple-Scattering Model. IEEE Transactions on Antennas and Propagation, 2022, 70, 8250-8261.	5.1	2
240	CPW-FED fractal bow-tie antenna. Microwave and Optical Technology Letters, 2007, 49, 1587-1589.	1.4	1
241	The Method of Moments at IR and optical frequencies. , 2011, , .		1
242	Antenna-in-package solutions for 60 GHz communication links. , 2012, , .		1
243	A FULLY PLANAR NEAR-FIELD RESONANT PARASITIC ANTENNA. Progress in Electromagnetics Research C, 2014, 54, 163-169.	0.9	1
244	On the use of a hierarchical multi-level building block basis function scheme in periodic plasmonic structures. Applied Physics A: Materials Science and Processing, 2014, 115, 415-419.	2.3	1
245	Spherical Wave Based Macromodels for Efficient System-Level EMC Analysis in Circuit Simulators Part II: Optimized Calculation of DUT-DUT Interactions. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 1506-1516.	2.2	1
246	Design of a dielectric waveguide antenna at microwave frequencies. , 2017, , .		1
247	Understanding the Physical Behavior of Plasmonic Antennas Through Computational Electromagnetics. , 2017, , .		1
248	Linear nonuniform antenna array of planar elements fed by a dielectric waveguide. Microwave and Optical Technology Letters, 2018, 60, 849-854.	1.4	1
249	FAST H-WAVES IN DOUBLE COMB INFINITE ARRAYS. Progress in Electromagnetics Research C, 2018, 80, 119-129.	0.9	1
250	Electromagnetic Analysis of Nanoscale Heterogeneity - The Domain-Integrated Perspective. , 2018, , .		1
251	Chiral Nanomaterials: Enantiomorphing Chiral Plasmonic Nanostructures: A Counterintuitive Sign Reversal of the Nonlinear Circular Dichroism (Advanced Optical Materials 14/2018). Advanced Optical Materials, 2018, 6, 1870057.	7.3	1
252	Impedance-Based Closed-Form Expressions to Calculate Recoverable Energy and Corresponding Q of Single-Port Radiators. IEEE Transactions on Antennas and Propagation, 2020, 68, 5442-5452.	5.1	1

#	ARTICLE	IF	CITATIONS
253	Low-Profile Wideband High-Gain and Low-RCS Circularly Polarized Array Using Checkerboard Polarization Rotators. , 2020, , .		1
254	A Novel Method of Removing the Influence of Continuous Electromagnetic Wave Disturbances in OFDM Systems. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 338-347.	2.2	1
255	A Metamaterial Inspired Button Antenna for Wireless Power and Data Transfer. , 2020, , .		1
256	Single-Molecule Fluorescence Enhancement by Plasmonic Core-Shell Nanostructures Incorporating Nonlocal Effects. Advanced Theory and Simulations, 0, , 2100558.	2.8	1
257	Low Cost Printed Dipole Array Antenna for 5G Sub-6GHz Base Stations Implementing Beam-tilting, Ground-backing, and Series-Feeding. Electromagnetics, 2021, 41, 612-625.	0.7	1
258	Nonlocal response of plasmonic core-shell nanotopologies excited by dipole emitters. Nanoscale Advances, 2022, 4, 2346-2355.	4.6	1
259	Computationally Efficient Millimeter-Wave Scattering Models: A Combined Blockage and Backscattering Model. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1852-1856.	4.0	1
260	Hybrid Dyadic - MPIE Integral Equation Analysis of Passive Microwave Devices in Layered Media. , 2001, , .		0
261	Network model for the inverse capacitively fed microstrip element. Microwave and Optical Technology Letters, 2002, 33, 16-19.	1.4	0
262	High-frequency scattering on a semi-infinite dielectric slab with a rising ground: TM case. Microwave and Optical Technology Letters, 2004, 43, 52-55.	1.4	0
263	A Heuristic Diffraction Coefficient for the Corner of a Dielectric Slab. IEEE Transactions on Antennas and Propagation, 2008, 56, 596-601.	5.1	0
264	Efficient size reduction technique for band-notched planar UWB monopole antennas. , 2009, , .		0
265	The Integral Equation technique: Applications at THz, IR, and optical frequencies. , 2011, , .		0
266	Integral equation techniques: From microwaves, over mm waves, to IR and optical frequencies. , 2011, , .		0
267	A multilayered coaxial feed model. , 2012, , .		0
268	Discussion slot 1. , 2012, , .		0
269	Dedicated algorithm for the calculation of spatial Green's Functions in a tokamak plasma environment. , 2012, , .		0
270	Time-domain surface impedance of a plasmonic half-space. , 2012, , .		0



#	ARTICLE	IF	CITATIONS
271	Pulsed-field EMI susceptibility analysis of microelectronic circuits - A full time-domain methodology. , 2012, , .		0
272	Multi-level hierarchical meshing for nanotopologies in Volumetric Method of Moments. , 2012, , .		0
273	Plasmonics: Plasmon-Enhanced Sub-Wavelength Laser Ablation: Plasmonic Nanojets (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overloc 21.0		0
274	Study of far field characteristics of nano dipoles above a realistic substrate. , 2014, , .		0
275	An encapsulating meta-molecule: U resonator containing spiral line. Japanese Journal of Applied Physics, 2014, 53, 110306.	1.5	0
276	Time-domain analysis of the pulsed EM field in planarly layered configurations: Principles and software implementation. , 2014, , .		0
277	Determining the pulsed EM radiation characteristics of thin planar antennas from their ThÃ©venin network representation. , 2016, , .		0
278	Reactive energy in time domain. , 2016, , .		0
279	Recoverable energy and small antennas. , 2017, , .		0
280	The Concept of Recoverable Energy. , 2018, , .		0
281	Decreasing Mutual Coupling in a Phased Array Using a Mutual Coupling Based Element. , 2019, , .		0
282	On a Unified Approach Towards the Modeling of Nonlocal Hydrodynamic Non-classical Response from Plasmonic Nanotopologies. , 2019, , .		0
283	A Multi-Functional Compact Button Antenna for Wearable Applications. , 2020, , .		0
284	Relaxing the Small Facet Size Requirement for the Far-Field Calculation of Large Reflector Antennas. IEEE Transactions on Antennas and Propagation, 2021, 69, 4261-4268.	5.1	0
285	Hydrodynamic Approach for Deep-nanometer Scale Topologies: Analysis of Metallic Shell. , 2021, , .		0
286	Nonlocal Response of Plasmonic Nanostructures Excited by Dipole Emitters. , 2021, , .		0
287	Benchmarking of Antenna Simulation Tools: Lessons Learned. , 2019, , .		0
288	Method for Analysis of Periodic Stationary States of Non-Linear Electric Circuits on Basis of Kotelnikov-Shannon Series. Radioelectronics and Communications Systems, 2019, 62, 619-629.	0.5	0

#	ARTICLE	IF	CITATIONS
289	Pulsed 2D ElectroMagnetic Field Propagation in a Rectangular Waveguide. , 2020, , .		0
290	Use of non-uniform RIS and parasitic strips to improve antenna CP performance. IET Microwaves, Antennas and Propagation, 2020, 14, 1795-1802.	1.4	0
291	Comparative Study of Electromagnetic Field Solvers for the Modeling of Nanoscale Plasmonic Scatterers. , 2021, , .		0
292	Analysis of Ultra-Broadband Phase-Shifters for 5G User Equipment. , 2020, , .		0
293	The Save-the-Rhino Antenna: a Horn-Mounted Wire Based Monopole. IEEE Antennas and Wireless Propagation Letters, 2022, , 1-1.	4.0	0