

# Lixin Guo

## List of Publications by Year in descending order

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238  
papers

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304743

22  
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239  
docs citations

239  
times ranked

994  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Improved Backward SBR-PO/PTD Hybrid Method for the Backward Scattering Prediction of an Electrically Large Target. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 512-515.	4.0	58
2	Analyzing the Electromagnetic Scattering Characteristics for 3-D Inhomogeneous Plasma Sheath Based on PO Method. IEEE Transactions on Plasma Science, 2016, 44, 2838-2843.	1.3	53
3	Propagation of terahertz electromagnetic waves in a magnetized plasma with inhomogeneous electron density and collision frequency. Physics of Plasmas, 2017, 24, 022108.	1.9	53
4	Research on the FDTD Method of Electromagnetic Wave Scattering Characteristics in Time-Varying and Spatially Nonuniform Plasma Sheath. IEEE Transactions on Plasma Science, 2016, 44, 3235-3242.	1.3	49
5	Ten-Element MIMO antenna for 5G terminals. Microwave and Optical Technology Letters, 2018, 60, 3045-3049.	1.4	44
6	Gap Waveguide With Interdigital-Pin Bed of Nails for High-Frequency Applications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2640-2648.	4.6	37
7	A novel hybrid sp-sp <sup>2</sup> metallic carbon allotrope. Frontiers of Physics, 2018, 13, 1.	5.0	36
8	An Efficient Multiregion FEM-BIM for Composite Scattering From an Arbitrary Dielectric Target Above Dielectric Rough Sea Surfaces. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3885-3896.	6.3	35
9	Left-handed metamaterials based on only modified circular electric resonators. Journal of Modern Optics, 2016, 63, 2220-2225.	1.3	33
10	Scattering characteristics of electromagnetic waves in time and space inhomogeneous weakly ionized dusty plasma sheath. Physics of Plasmas, 2018, 25, .	1.9	30
11	The EPILE Combined With the Generalized-FBM for Analyzing the Scattering From Targets Above and on a Rough Surface. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 809-813.	4.0	29
12	A dual-band MIMO antenna decoupled by a meandering line resonator for WLAN applications. Microwave and Optical Technology Letters, 2018, 60, 759-765.	1.4	29
13	Anisotropic power spectrum of refractive-index fluctuation in hypersonic turbulence. Applied Optics, 2016, 55, 9137.	2.1	27
14	Investigation of single- and double-hypernuclei using a beyond-mean-field approach. Physical Review C, 2017, 95, .	2.9	27
15	Propagation characteristics of electromagnetic waves in dusty plasma with full ionization. Physics of Plasmas, 2018, 25, .	1.9	27
16	OpenGL-Based Hybrid GO/PO Computation for RCS of Electrically Large Complex Objects. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 666-669.	4.0	26
17	Substrate Integrated Waveguide Filtering Horn Antenna Facilitated by Embedded Via-Hole Arrays. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1187-1191.	4.0	26
18	Compact Slow-Wave SIW H-Plane Horn Antenna With Increased Gain for Vehicular Millimeter Wave Communication. IEEE Transactions on Vehicular Technology, 2021, 70, 7289-7293.	6.3	26

#	ARTICLE	IF	CITATIONS
19	Wideband Single-Layer Substrate Integrated Waveguide Filtering Antenna With U-Shaped Slots. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1726-1730.	4.0	26
20	EM Scattering From a Target Above a 1-D Randomly Rough Sea Surface Using GPU-Based Parallel FDTD. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 217-220.	4.0	25
21	Research on the FDTD method of scattering effects of obliquely incident electromagnetic waves in time-varying plasma sheath on collision and plasma frequencies. Physics of Plasmas, 2017, 24, .	1.9	24
22	An Accelerated SBR for EM Scattering From the Electrically Large Complex Objects. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2294-2298.	4.0	22
23	Performance Investigation of OAMSK Modulated Wireless Optical System Over Turbulent Ocean Using Convolutional Neural Networks. Journal of Lightwave Technology, 2020, 38, 1753-1765.	4.6	22
24	An Accelerated Algorithm Based on GO-PO/PTD and CWMFSM for EM Scattering From the Ship Over a Sea Surface and SAR Image Formation. IEEE Transactions on Antennas and Propagation, 2020, 68, 3934-3944.	5.1	22
25	Analyzing the Electromagnetic Scattering Characteristics of a Hypersonic Vehicle Based on the Inhomogeneity Zonal Medium Model. IEEE Transactions on Antennas and Propagation, 2021, 69, 971-982.	5.1	22
26	Average capacity of a UWOC system with partially coherent Gaussian beams propagating in weak oceanic turbulence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 1463.	1.5	22
27	Cubic Phase Distortion and Irregular Degradation on SAR Imaging Due to the Ionosphere. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3442-3451.	6.3	21
28	Indoor three-dimensional high-precision positioning system with bat algorithm based on visible light communication. Applied Optics, 2019, 58, 2226.	1.8	21
29	Compressive Sensing for Monostatic Scattering From 3-D NURBS Geometries. IEEE Transactions on Antennas and Propagation, 2016, 64, 3545-3553.	5.1	20
30	Propagation characteristics of THz waves in space-time inhomogeneous and fully ionized dusty plasma sheath. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 232, 66-74.	2.3	20
31	Application of Multiregion Model to EM Scattering From a Dielectric Rough Surface With or Without a Target Above It. IEEE Transactions on Antennas and Propagation, 2013, 61, 5607-5620.	5.1	19
32	Research on the Propagation Characteristics of THz Waves in Spatial Inhomogeneous and Time-Varying and Weakly Ionized Dusty Plasma. IEEE Transactions on Plasma Science, 2019, 47, 4745-4752.	1.3	19
33	Simulation and Feature Extraction of the Dynamic Electromagnetic Scattering of a Hypersonic Vehicle Covered with Plasma Sheath. Remote Sensing, 2020, 12, 2740.	4.0	17
34	Electromagnetic scattering from a PEC object above a dielectric rough sea surface by a hybrid PO-PO method. Waves in Random and Complex Media, 2015, 25, 60-74.	2.7	16
35	A Study of Composite Electromagnetic Scattering From an Object Near a Rough Sea Surface Using an Efficient Numerical Algorithm. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 186-190.	4.0	16
36	Confined electrochemical catalysis under cover: Enhanced CO <sub>2</sub> reduction at the interface between graphdiyne and Cu surface. Applied Surface Science, 2019, 479, 685-692.	6.1	16

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37	Efficient RCS Prediction of the Conducting Target Based on Physics-Inspired Machine Learning and Experimental Design. IEEE Transactions on Antennas and Propagation, 2021, 69, 2274-2289.	5.1	16
38	Propagation of Electromagnetic Waves on a Relativistically Moving Nonuniform Plasma. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 137-140.	4.0	15
39	Attenuation characteristics of electromagnetic waves in a weak collisional and fully ionized dusty plasma. Physics of Plasmas, 2017, 24, .	1.9	15
40	The Study on Near-Field Scattering of a Target Under Antenna Irradiation by TDSBR Method. IEEE Access, 2019, 7, 113476-113487.	4.2	15
41	Compact Dual-Band Inverted-Microstrip Ridge Gap Waveguide Bandpass Filter. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2625-2632.	4.6	15
42	Integration of CS into MoM for Efficiently Solving of Bistatic Scattering Problems. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1771-1774.	4.0	14
43	The effect of the inhomogeneous collision frequency on the absorption of electromagnetic waves in a magnetized plasma. Physics of Plasmas, 2017, 24, .	1.9	14
44	Average intensity and spreading of a radially polarized multi-Gaussian Schell-model beam in anisotropic turbulence. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 218, 12-20.	2.3	14
45	Horn Antenna With Miniaturized Size and Increased Gain by Loading Slow Wave Periodic Metal Blocks. IEEE Transactions on Antennas and Propagation, 2021, 69, 2365-2369.	5.1	14
46	Evolution Properties and Spatial-Mode UWOC Performances of the Perfect Vortex Beam Subject to Oceanic Turbulence. IEEE Transactions on Communications, 2021, 69, 7647-7658.	7.8	14
47	Performance analysis of a LDPC coded OAM-based UCA FSO system exploring linear equalization with channel estimation over atmospheric turbulence. Optics Express, 2018, 26, 22182.	3.4	13
48	Bandwidth Enhancement of an Antipodal Vivaldi Antenna Facilitated by Double-Ridged Substrate-Integrated Waveguide. IEEE Transactions on Antennas and Propagation, 2020, 68, 8192-8196.	5.1	13
49	Enhanced Optical OFDM/OQAM for Visible Light Communication Systems. IEEE Wireless Communications Letters, 2021, 10, 614-618.	5.0	13
50	A Hybrid FEM/MoM Technique for 3-D Electromagnetic Scattering From a Dielectric Object Above a Conductive Rough Surface. IEEE Geoscience and Remote Sensing Letters, 2016, , 1-5.	3.1	12
51	A Novel OpenGL-Based MoM/SBR Hybrid Method for Radiation Pattern Analysis of an Antenna Above an Electrically Large Complicated Platform. IEEE Transactions on Antennas and Propagation, 2016, 64, 201-209.	5.1	12
52	Novel Suspended-Line Gap Waveguide Packaged With Stacked-Mushroom EBG Structures. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2447-2457.	4.6	12
53	An Improved Ray-Tracing Algorithm for SBR-Based EM Scattering Computation of Electrically Large Targets. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 818-822.	4.0	12
54	Spiral spectrum of high-order elliptic Gaussian vortex beams in a non-Kolmogorov turbulent atmosphere. Optics Express, 2021, 29, 16056.	3.4	12

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55	Novel wide-beam cross-dipole CP antenna for GNSS applications. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21272.	1.2	11
56	Analysis of the electromagnetic scattering characteristics in two-dimensional time-varying and spatially non-uniform plasma sheath. Physics of Plasmas, 2018, 25, .	1.9	11
57	Scattering of a high-order vector Bessel Gaussian beam by a spherical marine aerosol. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 265, 107552.	2.3	11
58	Hybrid PO-SBR-PTD method for composite scattering of a vehicle target on the ground. Applied Optics, 2021, 60, 179.	1.8	11
59	PO-PO method for electromagnetic backscattering from a 2D arbitrary dielectric-coated conducting target located above a 1D randomly rough surface: horizontal polarisation. IET Microwaves, Antennas and Propagation, 2014, 8, 1340-1347.	1.4	10
60	A new method based on compressive sensing for monostatic scattering analysis. Microwave and Optical Technology Letters, 2015, 57, 2457-2461.	1.4	10
61	Average bit error rate performance analysis of subcarrier intensity modulated MRC and EGC FSO systems with dual branches over M distribution turbulence channels. Optoelectronics Letters, 2015, 11, 281-285.	0.8	10
62	A Multihybrid FE-BI-KA Technique for 3-D Electromagnetic Scattering From a Coated Object Above a Conductive Rough Surface. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 2009-2013.	3.1	10
63	Evaluation of Physical Optics Integrals From B-Spline Surfaces by Means of a Fast Locating Algorithm of Stationary Points. IEEE Transactions on Antennas and Propagation, 2017, 65, 1495-1499.	5.1	10
64	Simulation Analysis and Experimental Study on the Echo Characteristics of High-Frequency Hybrid Sky-Surface Wave Propagation Mode. IEEE Transactions on Antennas and Propagation, 2018, 66, 4821-4831.	5.1	10
65	PO calculation for reduction in radar cross section of hypersonic targets using RAM. Physics of Plasmas, 2018, 25, .	1.9	10
66	Hybrid Time-Domain PTD and Physical Optics Contour Integral Representations for the Near-Field Backscattering Problem. IEEE Transactions on Antennas and Propagation, 2019, 67, 2655-2665.	5.1	10
67	Polarization characteristics of radially polarized partially coherent vortex beam in anisotropic plasma turbulence. Waves in Random and Complex Media, 2020, , 1-14.	2.7	10
68	Fast analysis of bistatic scattering problems with compressive sensing technique. Journal of Electromagnetic Waves and Applications, 2016, 30, 1755-1762.	1.6	9
69	Compact multiband antenna for mobile terminal applications. Microwave and Optical Technology Letters, 2018, 60, 1691-1696.	1.4	9
70	EM Waves Propagation Characteristics Based on Modified Dielectric Constant Model in Nonuniform Weakly Ionized Dusty Plasma. IEEE Transactions on Plasma Science, 2019, 47, 3978-3985.	1.3	9
71	Range Profile Analysis of Hypersonic Vehicles Covered by Inhomogeneous Plasma Sheath Using Physical Optics. IEEE Transactions on Plasma Science, 2019, 47, 4961-4970.	1.3	9
72	Statistical model for the weak turbulence-induced attenuation and crosstalk in free space communication systems with orbital angular momentum. Optics Express, 2021, 29, 12644.	3.4	9

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73	Slow Wave Substrate-Integrated Waveguide With Miniaturized Dimensions and Broadened Bandwidth. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3675-3683.	4.6	9
74	Hardâ€“Soft Groove Gap Waveguide Based on Perpendicularly Stacked Corrugated Metal Plates. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3684-3692.	4.6	9
75	Research on the propagation properties of THz circularly polarized wave in BGK model inhomogeneous dusty plasma. Physics of Plasmas, 2020, 27, .	1.9	9
76	A study of electromagnetic scattering from conducting targets above and below the dielectric rough surface. Optics Express, 2011, 19, 5785.	3.4	8
77	Investigation on the Inversion of the Atmospheric Duct Using the Artificial Bee Colony Algorithm Based on Opposition-Based Learning. International Journal of Antennas and Propagation, 2016, 2016, 1-10.	1.2	8
78	Weathering Sand and Dust Storms: Particle shapes, storm height, and elevation angle sensitivity for microwave propagation in earth-satellite links. IEEE Antennas and Propagation Magazine, 2017, 59, 58-65.	1.4	8
79	ISAR Image Algorithm Using Time-Domain Scattering Echo Simulated by TDPO Method. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1331-1335.	4.0	8
80	A new BGK model to compute the scattering characteristics of electromagnetic waves by weakly ionized dusty plasma shroud. Physics of Plasmas, 2020, 27, .	1.9	8
81	Scattering Prediction of Target Above Layered Rough Surface Based on Time-Domain Ray Tracing Modeling. IEEE Transactions on Antennas and Propagation, 2021, 69, 2820-2832.	5.1	8
82	Research on Electromagnetic Wave Propagation Characteristics of Fully Ionized Inhomogeneous Dusty Plasma in a Magnetized BGK Model. IEEE Transactions on Plasma Science, 2021, 49, 1460-1467.	1.3	8
83	A Study of Composite Scattering Characteristics of Movable/Rotatable Targets and a Rough Sea Surface Using an Efficient Numerical Algorithm. IEEE Transactions on Antennas and Propagation, 2021, 69, 4011-4019.	5.1	8
84	Time-Domain Scattering Characteristics and Jamming Effectiveness in Corner Reflectors. IEEE Access, 2021, 9, 15696-15707.	4.2	8
85	Aerosol scattering of vortex beams transmission in hazy atmosphere. Optics Express, 2020, 28, 28072.	3.4	8
86	Improved Gaussian Process Regression Inspired by Physical Optics for the Conducting Target's RCS Prediction. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2403-2407.	4.0	8
87	Double-Layer Transmitarray Antenna Using Specially Designed Substrate. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 441-445.	4.0	8
88	Study on the Characteristic of IR Radiation from the Space Target. Journal of Infrared, Millimeter and Terahertz Waves, 2004, 25, 119-127.	0.6	7
89	FDTD investigation on GPR detecting of underground subsurface layers and buried objects. , 2016, , .		7
90	Absorption of electromagnetic waves by a moving non-uniform plasma. Physics of Plasmas, 2017, 24, 042119.	1.9	7

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91	Electromagnetic waves propagation in hypersonic turbulence using fractal phase screen method. Journal of Electromagnetic Waves and Applications, 2017, 31, 250-262.	1.6	7
92	Influence of hypersonic turbulence in plasma sheath on synthetic aperture radar imaging. IET Microwaves, Antennas and Propagation, 2017, 11, 2223-2227.	1.4	7
93	Electromagnetic scattering of coated objects over sea surface based on SBR-SDFSM. Journal of Electromagnetic Waves and Applications, 2018, 32, 1079-1092.	1.6	7
94	A compact dual-band filtering antenna for wireless local area network applications. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21822.	1.2	7
95	Jamming Efficiency Analysis Based on the Range Profile of Target With Chaff. IEEE Access, 2021, 9, 13573-13589.	4.2	7
96	A Bistatic Scattering Evaluation Method of the Chaff Cloud in Airflow Based on VRT. IEEE Transactions on Antennas and Propagation, 2021, 69, 8698-8710.	5.1	7
97	Compact Corrugated Plate for Double-Sided Contactless Waveguide Flange. IEEE Microwave and Wireless Components Letters, 2021, 31, 129-132.	3.2	7
98	Application of the Improved SBR-TSM Based on MPI to EM Scattering from Multiple Targets Above a 3-D Rough Sea Surface. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 411-415.	4.0	7
99	Study on electromagnetic backscattering and Doppler spectrum of a moving spherical target above time-varying sea surface. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 269-281.	0.2	6
100	Combining CS With FEKO for Fast Target Characteristic Acquisition. IEEE Transactions on Antennas and Propagation, 2018, 66, 2494-2504.	5.1	6
101	Slow-Wave Substrate Integrated Groove Gap Waveguide. IEEE Microwave and Wireless Components Letters, 2020, 30, 461-464.	3.2	6
102	Research on phase shift characteristics of electromagnetic wave in plasma. Plasma Science and Technology, 2021, 23, 075001.	1.5	6
103	Analysis of Echo Characteristics of Spatially Inhomogeneous and Time-Varying Plasma Sheath. IEEE Transactions on Plasma Science, 2021, 49, 1804-1811.	1.3	6
104	ABER performance investigation of LDPC-coded multi-hop parallel underwater wireless optical communication system. Applied Optics, 2020, 59, 1353.	1.8	6
105	Ultracompact Bandpass Filter Based on Slow Wave Substrate Integrated Groove Gap Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1211-1220.	4.6	6
106	Scattering of partially coherent vortex beam by rough surface in atmospheric turbulence. Optics Express, 2022, 30, 4165.	3.4	6
107	An Accelerated SBR Method for RCS Prediction of Electrically Large Target. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1930-1934.	4.0	6
108	Application of Hybrid Finite Element-Boundary Integral Algorithm for Solving Electromagnetic Scattering from Multiple Objects over Rough Sea Surface. International Journal of Antennas and Propagation, 2014, 2014, 1-10.	1.2	5

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109	SBR-PO/PTD method for backward scattering of airplane model and application to ISAR image. , 2015, , .		5
110	A Bi-Iterative Model for Electromagnetic Scattering From a PEC Object Partially Buried in Rough Sea Surface. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 493-497.	3.1	5
111	Research on the scattering characteristics of electromagnetic waves in time-varying and weakly collisional and fully ionized dusty in plasma. IET Microwaves, Antennas and Propagation, 2018, 12, 742-748.	1.4	5
112	Multiband antenna for mobile terminals. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21925.	1.2	5
113	Atomic-layer-deposited HfO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> laminated dielectrics for bendable Si nanomembrane based MOS capacitors. Applied Physics Letters, 2019, 114, .	3.3	5
114	Evolution of linear edge dislocation in atmospheric turbulence and free space. Journal of Modern Optics, 2019, 66, 17-25.	1.3	5
115	Application of CUDA-Accelerated GO/PO Method in Calculation of Electromagnetic Scattering From Coated Targets. IEEE Access, 2020, 8, 35420-35428.	4.2	5
116	Digital Maps of Atmospheric Refractivity and Atmospheric Ducts Based on a Meteorological Observation Datasets. IEEE Transactions on Antennas and Propagation, 2022, 70, 2873-2883.	5.1	5
117	Electromagnetic Scattering Characteristics of Blunt Cone Aircraft Under THz Waves Based on PO Method. IEEE Transactions on Plasma Science, 2022, 50, 3200-3209.	1.3	5
118	An Efficient Octree-Based MoM-PO Method for Analysis of Antennas on Large Platform. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 819-822.	4.0	4
119	Electromagnetic Scattering of Electrically Large Ship above Sea Surface with SBR-SDFM Method. International Journal of Antennas and Propagation, 2017, 2017, 1-6.	1.2	4
120	Novel broadband bow-tie antenna with high-gain performance using electromagnetic coupling feed. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21478.	1.2	4
121	Simulation of plasma instabilities artificially induced in the equatorial ionosphere. Physics of Plasmas, 2020, 27, 092902.	1.9	4
122	An ISAR Imaging Framework for Large and Complex Targets Using TDSBR. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1928-1932.	4.0	4
123	Multiview ISAR Imaging for Complex Targets Based on Improved SBR Scattering Model. International Journal of Antennas and Propagation, 2021, 2021, 1-10.	1.2	4
124	Performance Analysis for Cooperative Communication System in Optical IoUT Network With HDAF Strategy. IEEE Photonics Journal, 2021, 13, 1-22.	2.0	4
125	Simulation of ionospheric depletions produced by rocket exhaust restricted by the trajectory. Advances in Space Research, 2021, 68, 2855-2864.	2.6	4
126	Spiral Spectrum of a Laguerre-Gaussian Beam Propagating in Anisotropic Turbulent Plasma. IEEE Photonics Journal, 2021, 13, 1-10.	2.0	4



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127	A New Index to Descript the Regional Ionospheric Disturbances During Storm Time. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	4
128	A Design Method for Wideband Chaff Element Using Simulated Annealing Algorithm. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1208-1212.	4.0	4
129	Transient Response of Thin Wire above a Layered Half-Space Using TDIE/FDTD Hybrid Method. International Journal of Antennas and Propagation, 2012, 2012, 1-7.	1.2	3
130	Performance analysis of relay-aided free-space optical communication system over gamma-gamma fading channels with pointing errors. Optoelectronics Letters, 2016, 12, 294-298.	0.8	3
131	Simulation of scattering on a time-varying sea surface beneath which an internal solitary wave travels. International Journal of Remote Sensing, 2017, 38, 5251-5270.	2.9	3
132	A hybrid EM scheme for the composite scattering and the SAR imaging of a low-altitude target above the electrically large and multi-scale sea surface. Electromagnetics, 2017, 37, 500-512.	0.7	3
133	An EM model for radar multipath simulation and HRRP analysis of low altitude target above electrically large composite scale rough surface. Electromagnetics, 2018, 38, 177-188.	0.7	3
134	A hybrid IEM-PO method for composite scattering from a PEC object above a dielectric sea surface with large windspeed: HH polarization. Waves in Random and Complex Media, 2018, 28, 630-642.	2.7	3
135	The Near-Field Scattering of Chaff Cloud. , 2018, , .		3
136	A Fast Ray-tracing Algorithm for Rugged Terrain. , 2019, , .		3
137	Evaluation of Efficient Dielectric Constants of Chaff Corridor in Submillimeter Band. , 2019, , .		3
138	ISAR Imaging Analysis of a Hypersonic Vehicle Covered With Plasma Sheath. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	3
139	Position Error Detection and Compensation for Far-Field Radar Cross-Section Measurement. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1518-1522.	4.0	3
140	Investigation of effects of plasma sheath on antenna radiation based on ray tracing method. AIP Advances, 2021, 11, .	1.3	3
141	Influence of dusty plasma on antenna radiation. Physics of Plasmas, 2021, 28, 083701.	1.9	3
142	Frequency controlled beam scanning characteristic realized using a compact slow wave transmission line. Applied Optics, 2021, 60, 8466.	1.8	3
143	Wideband air-filled ridge substrate-integrated waveguide. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22558.	1.2	3
144	A Wireless Outdoor Fingerprint Locating Method Based on Ray-tracing Model. , 2020, , .		3

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145	Longitudinally Miniaturized H-Plane Horn Antenna With $\sim 30$ dB Sidelobes Realized by Simple Blocks Redistributing the Aperture Field. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 7187-7192.	5.1	3
146	Transient Scattering Echo Simulation and ISAR Imaging for a Composite Target-Ocean Scene Based on the TDSBR Method. <i>Remote Sensing</i> , 2022, 14, 1183.	4.0	3
147	Efficient GPU implementation of the time-domain shooting and bouncing rays method on electrically large complex target. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	3
148	Fast Hybrid Method for the Study on Monostatic Scattering from Plasma-Coated Target above a Rough Surface. <i>International Journal of Antennas and Propagation</i> , 2014, 2014, 1-13.	1.2	2
149	A new method combining compressive sensing and method of moments for bistatic scattering problems. , 2015, , .		2
150	Study on scattering from multilayer rough surfaces with an object buried with FEM/PML. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 429-433.	1.4	2
151	Modeling of three-dimensional weak magnetic field induced by water movement. , 2016, , .		2
152	Saturation effects of the lower ionosphere based on two-dimensional HF heating model. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 874-890.	2.4	2
153	Fast Shadowing Computation for Physical Optics Integrals in Terms of Levin Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, , 1-1.	4.0	2
154	Analysis of terahertz scattering from electrically large scatterer with NURBS modeling. <i>Journal of Electromagnetic Waves and Applications</i> , 2017, 31, 981-996.	1.6	2
155	Temperature-dependent characterizations on parasitic capacitance of tapered through silicon via (T-TSV). <i>IEICE Electronics Express</i> , 2018, 15, 20180878-20180878.	0.8	2
156	B-scan wave outline analysis in numerical modeling of ground-penetrating radar response from layered rough interfaces. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 832-837.	1.4	2
157	Bandwidth and gain improvements of low-profile H-shaped microstrip patch antenna under quadruple-mode resonance. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e22372.	1.2	2
158	Measurement of the Scattering Matrix and Extinction Coefficient of the Chaff Corridor. <i>IEEE Access</i> , 2020, 8, 206755-206769.	4.2	2
159	An Efficient Method to Compute EM Scattering From Target Covered With Honeycomb Composite Material. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1210-1214.	4.0	2
160	Transmission rate Optimization by dynamic resource allocation algorithm for RF/VLC heterogeneous networks. <i>Optics Express</i> , 2021, 29, 32778.	3.4	2
161	Electromagnetic scattering characteristics of foil in hypersonic plasma turbulence. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 2575-2579.	1.4	2
162	Parallel Monte Carlo simulation algorithm for the spectral reflectance and transmittance of the wind-generated bubble layers in the upper ocean using CUDA. <i>Optics Express</i> , 2020, 28, 33538.	3.4	2

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