Zai-Ping Nie

List of Publications by Year
in descending order

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461	5,372	101384	138251
papers	citations	36 h-index	58 g-index

461	461	461	2982
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reducing the Number of Elements in a Linear Antenna Array by the Matrix Pencil Method. IEEE Transactions on Antennas and Propagation, 2008, 56, 2955-2962.	3.1	211
2	Directional Modulation Based on 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2014, 62, 621-628.	3.1	148
3	Direction of Arrival Estimation in Time Modulated Linear Arrays With Unidirectional Phase Center Motion. IEEE Transactions on Antennas and Propagation, 2010, 58, 1105-1111.	3.1	145
4	Design of a Low Sidelobe Time Modulated Linear Array With Uniform Amplitude and Sub-Sectional Optimized Time Steps. IEEE Transactions on Antennas and Propagation, 2012, 60, 4436-4439.	3.1	138
5	A Novel Simple and Compact Microstrip-Fed Circularly Polarized Wide Slot Antenna With Wide Axial Ratio Bandwidth for C-Band Applications. IEEE Transactions on Antennas and Propagation, 2016, 64, 1552-1555.	3.1	137
6	Reducing the Number of Elements in the Synthesis of Shaped-Beam Patterns by the Forward-Backward Matrix Pencil Method. IEEE Transactions on Antennas and Propagation, 2010, 58, 604-608.	3.1	129
7	The Application of a Modified Differential Evolution Strategy to Some Array Pattern Synthesis Problems. IEEE Transactions on Antennas and Propagation, 2008, 56, 1919-1927.	3.1	106
8	Bandwidth Enhancement of a Planar Printed Quasi-Yagi Antenna With Size Reduction. IEEE Transactions on Antennas and Propagation, 2014, 62, 463-467.	3.1	102
9	A Printed Unidirectional Antenna With Improved Upper Band-Edge Selectivity Using a Parasitic Loop. IEEE Transactions on Antennas and Propagation, 2015, 63, 1832-1837.	3.1	96
10	Wide-Angle Scanning Phased Array Using an Efficient Decoupling Network. IEEE Transactions on Antennas and Propagation, 2015, 63, 5161-5165.	3.1	90
11	A Printed UWB Vivaldi Antenna Using Stepped Connection Structure Between Slotline and Tapered Patches. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 698-701.	2.4	85
12	Reducing the Number of Elements in Multiple-Pattern Linear Arrays by the Extended Matrix Pencil Methods. IEEE Transactions on Antennas and Propagation, 2014, 62, 652-660.	3.1	82
13	A Novel Broadband Printed Dipole Antenna With Low Cross-Polarization. IEEE Transactions on Antennas and Propagation, 2007, 55, 3091-3093.	3.1	79
14	An Efficient Decoupling Feeding Network for Microstrip Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 871-874.	2.4	75
15	Acceleration of the Method of Moments Calculations by Using Graphics Processing Units. IEEE Transactions on Antennas and Propagation, 2008, 56, 2130-2133.	3.1	72
16	Improving the Accuracy of the Second-Kind Fredholm Integral Equations by Using the Buffa-Christiansen Functions. IEEE Transactions on Antennas and Propagation, 2011, 59, 1299-1310.	3.1	69
17	A Compact Dual-Polarized Double E-Shaped Patch Antenna With High Isolation. IEEE Transactions on Antennas and Propagation, 2013, 61, 4349-4353.	3.1	67
18	Millimeter-Wave Circularly Polarized Tapered-Elliptical Cavity Antenna With Wide Axial-Ratio Beamwidth. IEEE Transactions on Antennas and Propagation, 2016, 64, 811-814.	3.1	67

#	Article	IF	Citations
19	EFIE Analysis of Low-Frequency Problems With Loop-Star Decomposition and CalderÃ³n Multiplicative Preconditioner. IEEE Transactions on Antennas and Propagation, 2010, 58, 857-867.	3.1	63
20	Design of a Wideband Planar Printed Quasi-Yagi Antenna Using Stepped Connection Structure. IEEE Transactions on Antennas and Propagation, 2014, 62, 3431-3435.	3.1	60
21	Wideband Dual-Polarized Linear Array of Tightly Coupled Elements. IEEE Transactions on Antennas and Propagation, 2018, 66, 476-480.	3.1	59
22	Wideband Folded Reflectarray Using Novel Elements With High Orthogonal Polarization Isolation. IEEE Transactions on Antennas and Propagation, 2016, 64, 3195-3200.	3.1	57
23	A Wideband Circularly Polarized Rectangular Dielectric Resonator Antenna Excited by an Archimedean Spiral Slot. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 446-449.	2.4	54
24	A Broadband Unidirectional Antenna Based on Closely Spaced Loading Method. IEEE Transactions on Antennas and Propagation, 2013, 61, 109-116.	3.1	52
25	A Study on the Application of Time Modulated Antenna Arrays to Airborne Pulsed Doppler Radar. IEEE Transactions on Antennas and Propagation, 2009, 57, 1579-1583.	3.1	51
26	A Comparative Study of CalderÃ³n Preconditioners for PMCHWT Equations. IEEE Transactions on Antennas and Propagation, 2010, 58, 2375-2383.	3.1	46
27	Gain Improvement in Time-Modulated Linear Arrays Using SPDT Switches. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 994-997.	2.4	43
28	Compact Multimode Monopole Antenna for Metal-Rimmed Mobile Phones. IEEE Transactions on Antennas and Propagation, 2017, 65, 2297-2304.	3.1	43
29	Unified Time- and Frequency-Domain Study on Time-Modulated Arrays. IEEE Transactions on Antennas and Propagation, 2013, 61, 3069-3076.	3.1	42
30	Mutual coupling effects on the performance of MIMO wireless channels. IEEE Antennas and Wireless Propagation Letters, 2004, 3, 344-347.	2.4	41
31	Small planar monopole ultraâ€wideband antenna with reduced ground plane effect. IET Microwaves, Antennas and Propagation, 2015, 9, 1028-1034.	0.7	41
32	Mutual coupling compensation in time modulated linear antenna arrays. IEEE Transactions on Antennas and Propagation, 2005, 53, 4182-4185.	3.1	40
33	Full-Wave Simulation of Time Modulated Linear Antenna Arrays in Frequency Domain. IEEE Transactions on Antennas and Propagation, 2008, 56, 1479-1482.	3.1	40
34	Microstrip Array Antenna With 2-D Steerable Focus in Near-Field Region. IEEE Transactions on Antennas and Propagation, 2017, 65, 4607-4617.	3.1	40
35	Application of Diagonally Perturbed Incomplete Factorization Preconditioned Conjugate Gradient Algorithms for Edge Finite-Element Analysis of Helmholtz Equations. IEEE Transactions on Antennas and Propagation, 2006, 54, 1604-1608.	3.1	38
36	Grid Evolution Method for DOA Estimation. IEEE Transactions on Signal Processing, 2018, 66, 2374-2383.	3.2	38

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37	RMV Antenna Selection Algorithm for Massive MIMO. IEEE Signal Processing Letters, 2018, 25, 239-242.	2.1	37
38	Synthesis of Uniform Amplitude Thinned Linear Phased Arrays Using the Differential Evolution Algorithm. Electromagnetics, 2007, 27, 287-297.	0.3	36
39	GO/PO and PTD With Virtual Divergence Factor for Fast Analysis of Scattering From Concave Complex Targets. IEEE Transactions on Antennas and Propagation, 2015, 63, 2170-2179.	3.1	36
40	Compact 2-D Scanning Multibeam Array Utilizing the SIW Three-Way Couplers at 28 GHz. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1915-1919.	2.4	36
41	Millimeter-Wave Multibeam Antenna Based on Folded C-Type SIW. IEEE Transactions on Antennas and Propagation, 2020, 68, 3465-3476.	3.1	34
42	Low complexity MUSICâ€based directionâ€ofâ€arrival algorithm for monostatic MIMO radar. Electronics Letters, 2017, 53, 275-277.	0.5	32
43	Synthesis of satellite footprint patterns from timeâ€modulated planar arrays with very low dynamic range ratios. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2008, 21, 493-506.	1.2	31
44	A Wideband Circularly Polarized Rectangular Dielectric Resonator Antenna Excited by a Lumped Resistively Loaded Monofilar-Spiral-Slot. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1646-1649.	2.4	30
45	A Novel Miniature Band-Notched Wing-Shaped Monopole Ultrawideband Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1614-1617.	2.4	30
46	Synthesis of Sparse Arrays With Frequency-Invariant-Focused Beam Patterns Under Accurate Sidelobe Control by Iterative Second-Order Cone Programming. IEEE Transactions on Antennas and Propagation, 2015, 63, 5826-5832.	3.1	30
47	An Improved Phase Modulation Technique Based on Four-Dimensional Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1175-1178.	2.4	30
48	Circularly Polarized Multibeam Antenna Array of ME Dipole Fed by 5 Ã— 6 Butler Matrix. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 712-716.	2.4	30
49	A Low Cost, Low in-Band RCS Microstrip Phased-Array Antenna With Integrated 2-bit Phase Shifter. IEEE Transactions on Antennas and Propagation, 2021, 69, 4517-4526.	3.1	30
50	Improving conflicting specifications of timeâ€modulated antenna arrays by using a multiobjective evolutionary algorithm. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2012, 25, 205-215.	1.2	28
51	Novel Parasitic Micro Strip Arrays for Low-Cost Active Phased Array Applications. IEEE Transactions on Antennas and Propagation, 2014, 62, 1731-1737.	3.1	28
52	Generating Dual-Mode Dual-Polarization OAM Based on Transmissive Metasurface. Scientific Reports, 2019, 9, 97.	1.6	28
53	Dual-Layer SIW Multibeam Pillbox Antenna With Reduced Sidelobe Level. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 541-545.	2.4	28
54	A Low-Profile and Stacked Patch Antenna for Pattern-Reconfigurable Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 4830-4835.	3.1	28

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55	Analyzing Large-Scale Arrays Using Tangential Equivalence Principle Algorithm With Characteristic Basis Functions. Proceedings of the IEEE, 2013, 101, 414-422.	16.4	26
56	A Study on Linear Frequency Modulation Signal Transmission by 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2015, 63, 5409-5416.	3.1	26
57	Improved Electric Field Integral Equation (IEFIE) for Analysis of Scattering From 3-D Conducting Structures. IEEE Transactions on Electromagnetic Compatibility, 2007, 49, 644-648.	1.4	24
58	Wireless Transmission of MWD and LWD Signal Based on Guidance of Metal Pipes and Relay of Transceivers. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4855-4866.	2.7	24
59	Volume Surface Integral Equation Method Based on Higher Order Hierarchical Vector Basis Functions for EM Scattering and Radiation From Composite Metallic and Dielectric Structures. IEEE Transactions on Antennas and Propagation, 2016, 64, 5359-5372.	3.1	24
60	Scanning Enhanced Low-Profile Broadband Phased Array With Radiator-Sharing Approach and Defected Ground Structures. IEEE Transactions on Antennas and Propagation, 2017, 65, 5846-5854.	3.1	24
61	A Compact Unidirectional Ultra-Wideband Circularly Polarized Antenna Based on Crossed Tapered Slot Radiation Elements. IEEE Transactions on Antennas and Propagation, 2018, 66, 7353-7358.	3.1	24
62	Synthesis of Optimal Sum and Difference Patterns from Time Modulated Hexagonal Planar Arrays. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 933-945.	0.6	23
63	VECTOR FINITE ELEMENT ANALYSIS OF MULTICOMPONENT INDUCTION RESPONSE IN ANISOTROPIC FORMATIONS. Progress in Electromagnetics Research, 2008, 81, 21-39.	1.6	23
64	Time modulated planar arrays with square lattices and circular boundaries. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2005, 18, 469-480.	1.2	22
65	Solving Scattering by Multilayer Dielectric Objects Using JMCFIE-DDM-MLFMA. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1132-1135.	2.4	22
66	A Domain Decomposition Scheme With Curvilinear Discretizations for Solving Large and Complex PEC Scattering Problems. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 242-246.	2.4	22
67	Low Cross-Polarization SIW Slots Array Antenna With a Compact Feeding Network. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 189-193.	2.4	22
68	Sparsification of the Impedance Matrix in the Solution of the Integral Equation by Using the Maximally Orthogonalized Basis Functions. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1975-1981.	2.7	21
69	A Wideband Electromagnetic Scattering Analysis Using MLFMA With Higher Order Hierarchical Vector Basis Functions. IEEE Transactions on Antennas and Propagation, 2009, 57, 3169-3178.	3.1	21
70	Modal Characteristic Basis Function Method for Solving Scattering From Multiple Conducting Bodies of Revolution. IEEE Transactions on Antennas and Propagation, 2014, 62, 870-877.	3.1	21
71	Mitigating acoustic heterogeneous effects in microwave-induced breast thermoacoustic tomography using multi-physical K-means clustering. Applied Physics Letters, 2017, 111, 223701.	1.5	21
72	Compact UWB Slot Antenna Utilizing Traveling-Wave Mode Based on Slotline Transitions. IEEE Transactions on Antennas and Propagation, 2019, 67, 140-150.	3.1	21

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73	Adaptive Nulling with Time-Modulated Antenna Arrays Using a Hybrid Differential Evolution Strategy. Electromagnetics, 2010, 30, 574-588.	0.3	20
74	A Hybrid Analog-Digital Adaptive Beamforming in Time-Modulated Linear Arrays. Electromagnetics, 2010, 30, 356-364.	0.3	20
75	Synthesis of Conformal Phased Arrays With Embedded Element Pattern Decomposition. IEEE Transactions on Antennas and Propagation, 2011, 59, 2882-2888.	3.1	20
76	Fast Analysis of Electromagnetic Scattering From Three-Dimensional Objects Straddling the Interface of a Half Space. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1205-1209.	1.4	20
77	Signalâ€toâ€noise ratio and timeâ€modulated signal spectrum in fourâ€dimensional antenna arrays. IET Microwaves, Antennas and Propagation, 2015, 9, 264-270.	0.7	20
78	A Model Independent Scheme of Adaptive Focusing for Wireless Powering to In-Body Shifting Medical Device. IEEE Transactions on Antennas and Propagation, 2018, 66, 1497-1506.	3.1	20
79	Twofold Domain Decomposition Method for the Analysis of Multiscale Composite Structures. IEEE Transactions on Antennas and Propagation, 2019, 67, 6090-6103.	3.1	20
80	Hierarchical Matrices Method and Its Application in Electromagnetic Integral Equations. International Journal of Antennas and Propagation, 2012, 2012, 1-9.	0.7	19
81	Volume Integral Equation With Higher Order Hierarchical Basis Functions for Analysis of Dielectric Electromagnetic Scattering. IEEE Transactions on Antennas and Propagation, 2015, 63, 4964-4975.	3.1	19
82	Polarisation smoothing generalised MUSIC algorithm with PSA monostatic MIMO radar for low angle estimation. Electronics Letters, 2018, 54, 527-529.	0.5	19
83	Fast analysis of electromagnetic scattering of 3-D dielectric bodies with augmented GMRES-FFT method. IEEE Transactions on Antennas and Propagation, 2005, 53, 3848-3852.	3.1	18
84	Resolving Manifold Ambiguities for Sparse Array Using Planar Substrates. IEEE Transactions on Antennas and Propagation, 2012, 60, 2558-2562.	3.1	18
85	EFIE-PMCHWT-Based Domain Decomposition Method for Solving Electromagnetic Scattering From Complex Dielectric/Metallic Composite Objects. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1293-1296.	2.4	18
86	Massive MIMO antenna selection algorithms based on iterative swapping. Electronics Letters, 2018, 54, 190-192.	0.5	18
87	Fast Direct Solution of Integral Equations With Modified HODLR Structure for Analyzing Electromagnetic Scattering Problems. IEEE Transactions on Antennas and Propagation, 2019, 67, 3288-3296.	3.1	18
88	CalderÃ³n Preconditioner: From EFIE and MFIE to N-MÃ¼ller Equations. IEEE Transactions on Antennas and Propagation, 2010, 58, 4105-4110.	3.1	17
89	Accuracy Improvement of the Second-Kind Integral Equations for Generally Shaped Objects. IEEE Transactions on Antennas and Propagation, 2013, 61, 788-797.	3.1	17
90	High-Efficiency Periodic Sparse Microstrip Array Based on Mutual Coupling. IEEE Transactions on Antennas and Propagation, 2013, 61, 1963-1970.	3.1	17

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91	Numerical Modeling for Excitation and Coupling Transmission of Near Field Around the Metal Drilling Pipe in Lossy Formation. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3862-3871.	2.7	17
92	Nonconformal Discretization of Electric Current Volume Integral Equation With Higher Order Hierarchical Vector Basis Functions. IEEE Transactions on Antennas and Propagation, 2017, 65, 4155-4169.	3.1	17
93	Broadband Dual-Polarized Base Station Antenna for Fifth-Generation (5G) Applications. Sensors, 2018, 18, 2701.	2.1	17
94	MLACE-MLFMA Combined With Reduced Basis Method for Efficient Wideband Electromagnetic Scattering From Metallic Targets. IEEE Transactions on Antennas and Propagation, 2019, 67, 4738-4747.	3.1	17
95	Performance losses in V-BLAST due to correlation. IEEE Antennas and Wireless Propagation Letters, 2004, 3, 291-294.	2.4	16
96	Design of a novel monopulse antenna system using the time-modulated antenna arrays. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 163-169.	0.8	16
97	Synthesis of Nonuniform Array Antennas Using Particle Swarm Optimization. Electromagnetics, 2010, 30, 237-245.	0.3	16
98	Electromagnetic Modeling of Breaking Waves at Low Grazing Angles With Adaptive Higher Order Hierarchical Legendre Basis Functions. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 346-352.	2.7	16
99	Fast Simulation of Array Structures Using T-EPA With Hierarchical LU Decomposition. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1556-1559.	2.4	16
100	Planar quasiâ€Yagi antenna with band rejection based on dual dipole structure for UWB. IET Microwaves, Antennas and Propagation, 2016, 10, 1708-1714.	0.7	16
101	Approach on Joint Inversion of Electromagnetic and Acoustic Data Based on Structural Constraints. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7672-7681.	2.7	16
102	DIFFT: A Fast and Accurate Algorithm for Fourier Transform Integrals of Discontinuous Functions. IEEE Microwave and Wireless Components Letters, 2008, 18, 716-718.	2.0	15
103	ANALYSIS AND CORRECTION OF BOREHOLE EFFECT ON THE RESPONSES OF MULTICOMPONENT INDUCTION LOGGING TOOLS. Progress in Electromagnetics Research, 2008, 85, 211-226.	1.6	15
104	Design of a Tapered Balun for Broadband Arrays With Closely Spaced Elements. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1291-1294.	2.4	15
105	High-Efficiency Periodic Sparse Patch Array Based on Mutual Coupling. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1317-1320.	2.4	15
106	Block based compressive sensing method of microwave induced thermoacoustic tomography for breast tumor detection. Journal of Applied Physics, 2017, 122, .	1.1	15
107	<inline-formula> <tex-math notation="LaTeX">$mathcal {H}$ </tex-math> </inline-formula>-Matrices Compressed Multiplicative Schwarz Preconditioner for Nonconformal FEM-BEM-DDM. IEEE Transactions on Antennas and Propagation, 2018, 66, 2691-2696.	3.1	15
108	Fast Solution of Scattering From Conducting Structures by Local MLFMA Based on Improved Electric Field Integral Equation. IEEE Transactions on Electromagnetic Compatibility, 2008, 50, 940-945.	1.4	14

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109	Reducing the effects of acoustic heterogeneity with an iterative reconstruction method from experimental data in microwave induced thermoacoustic tomography. Medical Physics, 2015, 42, 2103-2112.	1.6	14
110	A Frequency-Hopping Subspace-Based Optimization Method for Reconstruction of 2-D Large Uniaxial Anisotropic Scatterers With TE Illumination. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6091-6099.	2.7	14
111	Wideband Quad-Polarization Reconfigurable Antenna Using Switchable Feed Network With Stable Unidirectional Radiation Patterns. IEEE Access, 2018, 6, 73434-73443.	2.6	14
112	An Improved Two-Scale Model for Electromagnetic Backscattering From Sea Surface. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 953-957.	1.4	14
113	Compact SIW 2-D Butler Matrix and Its Multibeam Application. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 386-390.	2.4	14
114	A Wideband Pattern-Reconfigurable Loop Antenna Designed by Using Characteristic Mode Analysis. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 396-400.	2.4	14
115	Equivalent Relations Between Interchannel Coupling and Antenna Polarization Coupling in Polarization Diversity Systems. IEEE Transactions on Antennas and Propagation, 2007, 55, 1709-1715.	3.1	13
116	A highly efficient numerical solution for dielectric-coated PEC targets. Waves in Random and Complex Media, 2009, 19, 65-79.	1.6	13
117	Analysis of Signal Transmission for Use of Logging While Drilling. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1001-1005.	1.4	13
118	Efficient Modeling of Large-Scale Electromagnetic Well-Logging Problems Using an Improved Nonconformal FEM-DDM. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1825-1833.	2.7	13
119	Efficient Solution of Scattering From Composite Planar Thin Dielectric-Conductor Objects by Volume-Surface Integral Equation and Simplified Prism Vector Basis Functions. IEEE Transactions on Antennas and Propagation, 2018, 66, 2686-2690.	3.1	13
120	A Multirelay Cooperation Method for Wireless Transmission of MWD and LWD Signals. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1229-1237.	2.7	13
121	Microwave induced thermoacoustic tomography based on probabilistic reconstruction. Applied Physics Letters, 2018, 112, .	1.5	13
122	Subspace-Based Variational Born Iterative Method for Solving Inverse Scattering Problems. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1017-1020.	1.4	13
123	Millimeter-wave Low Sidelobe Time Modulated Linear Arrays with Uniform Amplitude Excitations. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 531-540.	0.6	12
124	Electromagnetic Analysis of Large Scale Periodic Arrays Using a Two-Level CBFs Method Accelerated With FMM-FFT. IEEE Transactions on Antennas and Propagation, 2012, 60, 5709-5716.	3.1	12
125	Design and discussion of a broadband crossâ€dipole with high isolation and low crossâ€polarisation utilising strong mutual coupling. IET Microwaves, Antennas and Propagation, 2014, 8, 315-322.	0.7	12
126	Improved Multilayer Thin Dielectric Sheet Approximation for Scattering from Electrically Large Dielectric Sheets. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 779-782.	2.4	12

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127	An Efficient Method for Analysis of EM Scattering from Objects Straddling the Interface of a Half-Space. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 2014-2018.	1.4	12
128	Focused Array Antenna Based on Subarrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 888-891.	2.4	12
129	Polarization Smoothing Generalized MUSIC Algorithm with Polarization Sensitive Array for Low Angle Estimation. Sensors, 2018, 18, 1534.	2.1	12
130	Multiple Patterns from Time-Modulated Linear Antenna Arrays. Electromagnetics, 2008, 28, 562-571.	0.3	11
131	Synthesis of Low and Equal-Ripple Sidelobe Patterns in Time-Modulated Circular Antenna Arrays. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 802-812.	1.2	11
132	Calculation of the Physical Optics Scattering by Trimmed NURBS Surfaces. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1640-1643.	2.4	11
133	A Nonconformal FEM-DDM With Treeâ€“Cotree Splitting and Improved Transmission Condition for Modeling Subsurface Detection Problems. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 355-364.	2.7	11
134	A low profile dualâ€band dualâ€polarized patch antenna array with integrated feeding network for picoâ€base station applications. Microwave and Optical Technology Letters, 2014, 56, 1594-1600.	0.9	11
135	VSIE-Based Domain Decomposition Method With Simplified Prism Vector Basis Functions for Planar Thin Dielectric-Conductor Composite Objects. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1608-1612.	2.4	11
136	Analysis of Electrically Large Problems Using the Augmented EFIE With a CalderÃ³n Preconditioner. IEEE Transactions on Antennas and Propagation, 2011, 59, 2303-2314.	3.1	10
137	A doubleâ€layered printed dipole antenna with parasitic strips. Microwave and Optical Technology Letters, 2012, 54, 1517-1520.	0.9	10
138	An Enhanced Preconditioned JMCFIE-DDM for Analysis of Electromagnetic Scattering by Composite Objects. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1362-1365.	2.4	10
139	Low-Cost Periodic Sparse Cavity-Backed Phased Array Based on Multiport Elements. IEEE Transactions on Antennas and Propagation, 2015, 63, 4175-4179.	3.1	10
140	Dual-Loop Antenna for 4G LTE MIMO Smart Glasses Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1818-1822.	2.4	10
141	Coexistence-Mode CRLH SIW Transmission Line and Its Application for Longitudinal Miniaturized Butler Matrix and Multibeam Array Antenna. IEEE Transactions on Antennas and Propagation, 2021, 69, 7593-7603.	3.1	10
142	Efficient Synthesis of Linearly Polarized Shaped Patterns Using Iterative FFT via Vectorial Least-Square Active Element Pattern Expansion. IEEE Transactions on Antennas and Propagation, 2021, 69, 6040-6045.	3.1	10
143	Pattern Synthesis with Specified Broad Nulls in Time-Modulated Circular Antenna Arrays. Electromagnetics, 2011, 31, 355-367.	0.3	9
144	Bandâ€notched UWB planar antenna with parasitic spiral strips. Microwave and Optical Technology Letters, 2011, 53, 1532-1535.	0.9	9

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145	Fast Point-Based KD-Tree Construction Method for Hybrid High Frequency Method in Electromagnetic Scattering. IEEE Access, 2018, 6, 38348-38355.	2.6	9
146	A Flexible SIE-DDM for EM Scattering by Large and Multiscale Problems. IEEE Transactions on Antennas and Propagation, 2018, 66, 7466-7471.	3.1	9
147	Single Slot Antenna With Multiple Radiation Modes Using a Parasitic Loop Pair. IEEE Transactions on Antennas and Propagation, 2019, 67, 1335-1340.	3.1	9
148	Fast Direct Surface Integral Equation Solution for Electromagnetic Scattering Analysis With Skeletonization Factorization. IEEE Transactions on Antennas and Propagation, 2020, 68, 3016-3025.	3.1	9
149	A Practical Array Pattern Synthesis Approach Including Mutual Coupling Effects. Electromagnetics, 2007, 27, 53-63.	0.3	8
150	Omnidirectional rectangular microstrip antenna operating at TM ₀₂ and TM ₂₀ modes for mobile applications. Electronics Letters, 2014, 50, 1790-1792.	0.5	8
151	Fullâ€polarisation threeâ€dimensional pattern synthesis for conformal conical arrays with dynamic range ratio constraint by using the initialisations based on equivalence theorem. IET Microwaves, Antennas and Propagation, 2015, 9, 1659-1666.	0.7	8
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