

Qing Huo Liu

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

803
papers

13,720
citations

54
h-index

80
g-index

1,015
ext. papers

16,871
ext. citations

3.6
avg, IF

7.12
L-index

#	Paper	IF	Citations
803	PERFECTLY MATCHED LAYERS FOR ELASTODYNAMICS: A NEW ABSORBING BOUNDARY CONDITION. <i>Journal of Computational Acoustics</i> , 1996 , 04, 341-359		363
802	The PSTD algorithm: A time-domain method requiring only two cells per wavelength. <i>Microwave and Optical Technology Letters</i> , 1997 , 15, 158-165	1.2	326
801	Through-wall imaging (TWI) by radar: 2-D tomographic results and analyses. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005 , 43, 2793-2798	8.1	207
800	Broadband tunable terahertz absorber based on vanadium dioxide metamaterials. <i>Optics Express</i> , 2018 , 26, 7148-7154	3.3	168
799	The perfectly matched layer for acoustic waves in absorptive media. <i>Journal of the Acoustical Society of America</i> , 1997 , 102, 2072-2082	2.2	165
798	An accurate algorithm for nonuniform fast Fourier transforms (NUFFT's) 1998 , 8, 18-20		164
797	Tunable enhanced optical absorption of graphene using plasmonic perfect absorbers. <i>Applied Physics Letters</i> , 2015 , 106, 043105	3.4	161
796	Reducing the Number of Elements in a Linear Antenna Array by the Matrix Pencil Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 2955-2962	4.9	139
795	The application of the perfectly matched layer in numerical modeling of wave propagation in poroelastic media. <i>Geophysics</i> , 2001 , 66, 1258-1266	3.1	136
794	Broadband absorber with periodically sinusoidally-patterned graphene layer in terahertz range. <i>Optics Express</i> , 2017 , 25, 11223-11232	3.3	134
793	Sparseness prior based iterative image reconstruction for retrospectively gated cardiac micro-CT. <i>Medical Physics</i> , 2007 , 34, 4476-83	4.4	122
792	Three-dimensional nonlinear image reconstruction for microwave biomedical imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2004 , 51, 544-8	5	122
791	. <i>IEEE Transactions on Electron Devices</i> , 2009 , 56, 560-568	2.9	112
790	Large-scale simulations of electromagnetic and acoustic measurements using the pseudospectral time-domain (PSTD) algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1999 , 37, 917-926	8.1	110
789	Active microwave imaging. I. 2-D forward and inverse scattering methods. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002 , 50, 123-133	4.1	105
788	ISAR Imaging of Targets With Complex Motion Based on the Chirp Rate Quadratic Chirp Rate Distribution. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 7276-7289	8.1	98
787	. <i>Proceedings of the IEEE</i> , 2013 , 101, 242-254	14.3	97

786	Electromagnetic time-reversal imaging of a target in a cluttered environment. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 3058-3066	4.9	97
785	Active Microwave Imaging II: 3-D System Prototype and Image Reconstruction From Experimental Data. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 991-1000	4.1	95
784	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2004 , 1, 107-111	4.1	94
783	Reducing the Number of Elements in the Synthesis of Shaped-Beam Patterns by the Forward-Backward Matrix Pencil Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 604-608	4.0	91
782	The Regular Fourier Matrices and Nonuniform Fast Fourier Transforms. <i>SIAM Journal of Scientific Computing</i> , 1999 , 21, 283-293	2.6	89
781	Singularity subtraction for evaluation of Green's functions for multilayer media. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 216-225	4.1	84
780	A Novel Simple and Compact Microstrip-Fed Circularly Polarized Wide Slot Antenna With Wide Axial Ratio Bandwidth for C-Band Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1552-1555	4.9	81
779	. <i>IEEE Transactions on Antennas and Propagation</i> , 1988 , 36, 1045-1056	4.9	81
778	Radar High-Speed Target Detection Based on the Scaled Inverse Fourier Transform. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 1108-1119	4.7	78
777	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1991 , 29, 308-313	8.1	78
776	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 1462-1469	8.1	74
775	Bandwidth Enhancement of a Planar Printed Quasi-Yagi Antenna With Size Reduction. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 463-467	4.9	72
774	Focusing Bistatic Forward-Looking SAR With Stationary Transmitter Based on Keystone Transform and Nonlinear Chirp Scaling. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 148-152	4.1	72
773	An FDTD algorithm with perfectly matched layers for conductive media. <i>Microwave and Optical Technology Letters</i> , 1997 , 14, 134-137	1.2	72
772	A 3-D spectral-element method using mixed-order curl conforming vector basis functions for electromagnetic fields. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 437-444	4.1	72
771	A three-dimensional finite difference simulation of sonic logging. <i>Journal of the Acoustical Society of America</i> , 1996 , 100, 72-79	2.2	72
770	A fast volume integral equation solver for electromagnetic scattering from large inhomogeneous objects in planarly layered media. <i>IEEE Transactions on Antennas and Propagation</i> , 2003 , 51, 2393-2401	4.9	71
769	Performance Prediction of Carbon Nanotube Bundle Dipole Antennas. <i>IEEE Nanotechnology Magazine</i> , 2008 , 7, 331-337	2.6	70

768	A Printed Unidirectional Antenna With Improved Upper Band-Edge Selectivity Using a Parasitic Loop. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 1832-1837	4.9	69
767	ISAR Imaging of Targets With Complex Motions Based on the Keystone Time-Chirp Rate Distribution. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 1275-1279	4.1	68
766	Radar High-Speed Target Detection Based on the Frequency-Domain Deramp-Keystone Transform. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 285-294	4.7	67
765	The pseudospectral time-domain (PSTD) algorithm for acoustic waves in absorptive media. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1998 , 45, 1044-55	3.2	67
764	Perfectly matched layers for elastic waves in cylindrical and spherical coordinates. <i>Journal of the Acoustical Society of America</i> , 1999 , 105, 2075-2084	2.2	67
763	Manipulating light absorption of graphene using plasmonic nanoparticles. <i>Nanoscale</i> , 2013 , 5, 7785-9	7.7	65
762	Parameterized Centroid Frequency-Chirp Rate Distribution for LFM Signal Analysis and Mechanisms of Constant Delay Introduction. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 6435-6447	4.8	65
761	A staggered-grid finite-difference method with perfectly matched layers for poroelastic wave equations. <i>Journal of the Acoustical Society of America</i> , 2001 , 109, 2571-80	2.2	61
760	ISAR Imaging of Nonuniformly Rotating Target Based on a Fast Parameter Estimation Algorithm of Cubic Phase Signal. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 4727-4740	8.1	60
759	Omnidirectional tunable terahertz analog of electromagnetically induced transparency realized by isotropic vanadium dioxide metasurfaces. <i>Applied Physics Express</i> , 2018 , 11, 082203	2.4	60
758	Graphene-based hybrid plasmonic waveguide for highly efficient broadband mid-infrared propagation and modulation. <i>Optics Express</i> , 2018 , 26, 15935-15947	3.3	59
757	Reducing the Number of Elements in Multiple-Pattern Linear Arrays by the Extended Matrix Pencil Methods. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 652-660	4.9	59
756	Substrate Integrated Waveguide Cavity-Backed Slot Array Antenna Using High-Order Radiation Modes for Dual-Band Applications in K -Band. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4556-4565	4.9	58
755	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1994 , 32, 878-884	8.1	58
754	A Printed UWB Vivaldi Antenna Using Stepped Connection Structure Between Slotline and Tapered Patches. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 698-701	3.8	57
753	Microwave breast imaging: 3-D forward scattering simulation. <i>IEEE Transactions on Biomedical Engineering</i> , 2003 , 50, 1180-9	5	57
752	Three-dimensional weak-form conjugate- and biconjugate-gradient FFT methods for volume integral equations. <i>Microwave and Optical Technology Letters</i> , 2001 , 29, 350-356	1.2	57
751	An FDTD algorithm with perfectly matched layers for general dispersive media. <i>IEEE Transactions on Antennas and Propagation</i> , 2000 , 48, 637-646	4.9	55

750	Multidomain pseudospectral time-domain simulations of scattering by objects buried in lossy media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002 , 40, 1366-1373	8.1	54
749	Composite graphene-metal microstructures for enhanced multiband absorption covering the entire terahertz range. <i>Carbon</i> , 2019 , 148, 317-325	10.4	53
748	Electromagnetic field generated by an off-axis source in a cylindrically layered medium with an arbitrary number of horizontal discontinuities. <i>Geophysics</i> , 1993 , 58, 616-625	3.1	52
747	Microwave-induced thermal acoustic tomography for breast tumor based on compressive sensing. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 1298-307	5	51
746	Direct synthesis of hydrogen peroxide from plasma-water interactions. <i>Scientific Reports</i> , 2016 , 6, 38454	4.9	51
745	Smart inverse design of graphene-based photonic metamaterials by an adaptive artificial neural network. <i>Nanoscale</i> , 2019 , 11, 9749-9755	7.7	50
744	Three-dimensional unstructured-grid discontinuous Galerkin method for Maxwell's equations with well-posed perfectly matched layer. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 459-463	1.2	48
743	. <i>IEEE Access</i> , 2018 , 6, 11624-11633	3.5	46
742	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1992 , 40, 716-723	4.1	46
741	A 3D cylindrical PML/FDTD method for elastic waves in fluid-filled pressurized boreholes in triaxially stressed formations. <i>Geophysics</i> , 2003 , 68, 1731-1743	3.1	45
740	A 3-D Spectral-Element Time-Domain Method for Electromagnetic Simulation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 983-991	4.1	44
739	Simulations of GPR in dispersive media using a frequency-dependent PSTD algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1999 , 37, 2317-2324	8.1	44
738	Quantification of plasma produced OH radical density for water sterilization. <i>Plasma Processes and Polymers</i> , 2018 , 15, 1700241	3.4	43
737	Fast Pencil Beam Pattern Synthesis of Large Unequally Spaced Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 627-634	4.9	43
736	Two nonlinear inverse methods for electromagnetic induction measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2001 , 39, 1331-1339	8.1	43
735	Broadband optical waveguide modulators based on strongly coupled hybrid graphene and metal nanoribbons for near-infrared applications. <i>Nanoscale</i> , 2019 , 11, 3229-3239	7.7	42
734	Enhanced spatial near-infrared modulation of graphene-loaded perfect absorbers using plasmonic nanoslits. <i>Optics Express</i> , 2015 , 23, 32318-28	3.3	42
733	A NEW METHOD FOR THE SYNTHESIS OF NON-UNIFORM LINEAR ARRAYS WITH SHAPED POWER PATTERNS. <i>Progress in Electromagnetics Research</i> , 2010 , 107, 349-363	3.8	42

732	Reconstruction of 3D objects from multi-frequency experimental data with a fast DBIM-BCGS method. <i>Inverse Problems</i> , 2009 , 25, 024007	2.3	42
731	Enlarged cells for the conformal FDTD method to avoid the time step reduction. <i>IEEE Microwave and Wireless Components Letters</i> , 2004 , 14, 551-553	2.6	42
730	Electrically Tunable Broadband Terahertz Absorption with Hybrid-Patterned Graphene Metasurfaces. <i>Nanomaterials</i> , 2018 , 8,	5.4	41
729	A Broadband Unidirectional Antenna Based on Closely Spaced Loading Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 109-116	4.9	40
728	Reconstruction of three-dimensional objects in layered media: numerical experiments. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 1556-1561	4.9	40
727	A three-dimensional finite difference code for the modeling of sonic logging tools. <i>Journal of the Acoustical Society of America</i> , 1998 , 103, 702-712	2.2	40
726	Design of a Wideband Planar Printed Quasi-Yagi Antenna Using Stepped Connection Structure. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 3431-3435	4.9	39
725	Simulation of near-surface detection of objects in layered media by the BCGS-FFT method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004 , 42, 327-334	8.1	39
724	Near unity ultraviolet absorption in graphene without patterning. <i>Applied Physics Letters</i> , 2018 , 112, 153106	3.4	37
723	Design of a Stub-Loaded Ring-Resonator Slot for Antenna Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 517-524	4.9	37
722	. <i>IEEE Transactions on Antennas and Propagation</i> , 1990 , 38, 498-506	4.9	37
721	ISAR Imaging of Targets With Complex Motions Based on a Noise-Resistant Parameter Estimation Algorithm Without Nonuniform Axis. <i>IEEE Sensors Journal</i> , 2016 , 16, 2509-2518	4	36
720	Perfect ultraviolet absorption in graphene using the magnetic resonance of an all-dielectric nanostructure. <i>Optics Express</i> , 2018 , 26, 18155-18163	3.3	36
719	A discontinuous Galerkin method for simulating the effects of arbitrary discrete fractures on elastic wave propagation. <i>Geophysical Journal International</i> , 2017 , 210, 1219-1230	2.6	36
718	Least-square NUFFT methods applied to 2-D and 3-D radially encoded MR image reconstruction. <i>IEEE Transactions on Biomedical Engineering</i> , 2009 , 56, 1134-42	5	36
717	The BCGS-FFT method for electromagnetic scattering from inhomogeneous objects in a planarly layered medium. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2002 , 1, 77-80	3.8	36
716	A volume adaptive integral method (VAIM) for 3-D inhomogeneous objects. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2002 , 1, 102-105	3.8	36
715	Designing Graphene-Based Absorber by Using HIE-FDTD Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1896-1902	4.9	35

714	Pattern Synthesis of Unequally Spaced Linear Arrays Including Mutual Coupling Using Iterative FFT via Virtual Active Element Pattern Expansion. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 3950-3958	4.9	35
713	Isotropic Riemann Solver for a Nonconformal Discontinuous Galerkin Pseudospectral Time-Domain Algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 1254-1261	8.1	35
712	Small planar monopole ultra-wideband antenna with reduced ground plane effect. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1028-1034	1.6	35
711	Three-Dimensional Scattering and Inverse Scattering from Objects With Simultaneous Permittivity and Permeability Contrasts. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 429-439	8.1	35
710	Broadband Waveguide Cloak for Water Waves. <i>Physical Review Letters</i> , 2019 , 123, 074501	7.4	35
709	Efficient Implicit-Explicit Time Stepping Scheme With Domain Decomposition for Multiscale Modeling of Layered Structures. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2011 , 1, 1438-1446	1.7	35
708	. <i>IEEE Nanotechnology Magazine</i> , 2009 , 8, 718-728	2.6	35
707	A 3-D Discontinuous Spectral Element Time-Domain Method for Maxwell's Equations. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 2666-2674	4.9	35
706	An efficient 3-D spectral-element method for Schrödinger equation in nanodevice simulation. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2005 , 24, 1848-1858	2.5	35
705	Applications of the BCGS-FFT method to 3-D induction well logging problems. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003 , 41, 998-1004	8.1	35
704	Two-Dimensional Reverse-Time Migration Applied to GPR With a 3-D-to-2-D Data Conversion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 4313-4320	4.7	34
703	EB Scheme-Based Hybrid SE-FE DGTD Method for Multiscale EM Simulations. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4088-4091	4.9	34
702	Reverse time migration of acoustic waves for imaging based defects detection for concrete and CFST structures. <i>Mechanical Systems and Signal Processing</i> , 2019 , 117, 210-220	7.8	33
701	Applications of the conjugate gradient fast Fourier Hankel transfer method with an improved fast Hankel transform algorithm. <i>Radio Science</i> , 1994 , 29, 1009-1022	1.4	33
700	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1991 , 39, 422-430	4.1	33
699	Mixed Spectral-Element Method for 3-D Maxwell's Eigenvalue Problem. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 317-325	4.1	32
698	Finite difference computation of head-related transfer function for human hearing. <i>Journal of the Acoustical Society of America</i> , 2003 , 113, 2434-41	2.2	32
697	Perfect light absorption in graphene by two unpatterned dielectric layers and potential applications. <i>Carbon</i> , 2019 , 142, 430-437	10.4	32

696	Compact Multimode Monopole Antenna for Metal-Rimmed Mobile Phones. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 2297-2304	4.9	31
695	A New 3-D Nonspurious Discontinuous Galerkin Spectral Element Time-Domain (DG-SETD) Method for Maxwell's Equations. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 2585-2594	4.9	31
694	Radar High-Speed Maneuvering Target Detection Based on Three-Dimensional Scaled Transform. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 2821-2833	4.7	31
693	Two Memristor SPICE Models and Their Applications in Microwave Devices. <i>IEEE Nanotechnology Magazine</i> , 2014 , 13, 607-616	2.6	31
692	Microwave Imaging in Layered Media: 3-D Image Reconstruction From Experimental Data. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 440-448	4.9	31
691	A Nonspurious 3-D Vector Discontinuous Galerkin Finite-Element Time-Domain Method. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 1-3	2.6	31
690	Surface plasmon resonance in nanostructured metal films under the Kretschmann configuration. <i>Journal of Applied Physics</i> , 2009 , 106, 124314	2.5	31
689	The 3-D Multidomain Pseudospectral Time-Domain Algorithm for Inhomogeneous Conductive Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 742-749	4.9	31
688	A strongly well-posed PML in lossy media. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2003 , 2, 97-100	3.8	31
687	A Multidomain PSTD Method for 3D Elastic Wave Equations. <i>Bulletin of the Seismological Society of America</i> , 2004 , 94, 1002-1015	2.3	31
686	Portable tumor biosensing of serum by plasmonic biochips in combination with nanoimprint and microfluidics. <i>Nanophotonics</i> , 2019 , 8, 307-316	6.3	31
685	. <i>Journal of Lightwave Technology</i> , 2018 , 36, 4988-4994	4	31
684	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 1218-1223	2	30
683	Through-Casing Hydraulic Fracture Evaluation by Induction Logging II: The Inversion Algorithm and Experimental Validations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 1189-1198	8.1	30
682	Spectral element method for band structures of two-dimensional anisotropic photonic crystals. <i>Physical Review E</i> , 2009 , 79, 026705	2.4	30
681	Applications of nonuniform fast transform algorithms in numerical solutions of differential and integral equations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2000 , 38, 1551-1560	8.1	30
680	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1993 , 31, 587-594	8.1	30
679	Linearly Polarized Shaped Power Pattern Synthesis With Sidelobe and Cross-Polarization Control by Using Semidefinite Relaxation. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3207-3212	4.9	29

678	An exact Riemann solver for wave propagation in arbitrary anisotropic elastic media with fluid coupling. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 329, 24-39	5.7	29
677	Efficient Computation of Electromagnetic Waves in Anisotropic Orthogonal-Plano-Cylindricly Layered Media Using the Improved Numerical Mode Matching (NMM) Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3569-3578	4.9	29
676	. <i>IEEE Transactions on Advanced Packaging</i> , 2010 , 33, 729-737		29
675	Elastic-wave propagation in deviated wells in anisotropic formations. <i>Geophysics</i> , 2006 , 71, D191-D202	3.1	29
674	3-D numerical mode-matching (NMM) method for resistivity well-logging tools. <i>IEEE Transactions on Antennas and Propagation</i> , 2000 , 48, 1544-1552	4.9	29
673	Time-frequency analysis of air-coupled GPR data for identification of delamination between pavement layers. <i>Construction and Building Materials</i> , 2017 , 154, 1207-1215	6.7	28
672	Fast three-dimensional electromagnetic nonlinear inversion in layered media with a novel scattering approximation. <i>Inverse Problems</i> , 2004 , 20, S171-S194	2.3	28
671	The 2.5-D multidomain pseudospectral time-domain algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , 2003 , 51, 619-627	4.9	28
670	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1999 , 37, 1066-1072	8.1	28
669	Concentrators for Water Waves. <i>Physical Review Letters</i> , 2018 , 121, 104501	7.4	28
668	Plasmonic waveguide with folded stubs for highly confined terahertz propagation and concentration. <i>Optics Express</i> , 2017 , 25, 898-906	3.3	27
667	A Dual-Band Printed Electrically Small Antenna Covered by Two Capacitive Split-Ring Resonators. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 824-826	3.8	27
666	Thermal Accumulation Effects on the Transient Temperature Responses in LD MOSFETs Under the Impact of a Periodic Electromagnetic Pulse. <i>IEEE Transactions on Electron Devices</i> , 2010 , 57, 345-352	2.9	27
665	A pseudospectral frequency-domain (PSFD) method for computational electromagnetics. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2002 , 1, 131-134	3.8	27
664	Diffraction of nonaxisymmetric waves in cylindricly layered media by horizontal discontinuities. <i>Radio Science</i> , 1992 , 27, 569-581	1.4	27
663	Second-order PML: Optimal choice of nth-order PML for truncating FDTD domains. <i>Journal of Computational Physics</i> , 2015 , 285, 71-83	4.1	26
662	Multiscale Hydraulic Fracture Modeling With Discontinuous Galerkin Frequency-Domain Method and Impedance Transition Boundary Condition. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 6566-6573	8.1	26
661	Synthesis of Nonuniformly Spaced Linear Arrays With Frequency-Invariant Patterns by the Generalized Matrix Pencil Methods. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 1614-1625	4.9	26

660	Generalization of iterative Fourier interpolation algorithms for single frequency estimation 2011 , 21, 141-149		26
659	A 3-D Enlarged Cell Technique (ECT) for the Conformal FDTD Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 765-773	4.9	26
658	Through-Casing Hydraulic Fracture Evaluation by Induction Logging I: An Efficient EM Solver for Fracture Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 1179-1188	8.1	25
657	Joint Inversion of Electromagnetic and Seismic Data Based on Structural Constraints Using Variational Born Iteration Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 436-445	8.1	25
656	A Generalized Omega-K Algorithm to Process Translationally Variant Bistatic-SAR Data Based on Two-Dimensional Stolt Mapping. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 6597-6614	8.1	25
655	FAST PARAMETER ESTIMATION ALGORITHM FOR CUBIC PHASE SIGNAL BASED ON QUANTIFYING EFFECTS OF DOPPLER FREQUENCY SHIFT. <i>Progress in Electromagnetics Research</i> , 2013 , 142, 57-74	3.8	25
654	Shielding Characterization of Metallic Enclosures With Multiple Slots and a Thin-Wire Antenna Loaded: Multiple Oblique EMP Incidences With Arbitrary Polarizations. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2009 , 51, 284-292	2	25
653	The Prototype of Microwave-Induced Thermo-Acoustic Tomography Imaging by Time Reversal Mirror. <i>Journal of Electromagnetic Waves and Applications</i> , 2008 , 22, 1565-1574	1.3	25
652	Acoustic detection of buried objects in 3-D fluid saturated porous media: numerical modeling. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2001 , 39, 1165-1173	8.1	25
651	PML and PSTD algorithm for arbitrary lossy anisotropic media 1999 , 9, 48-50		25
650	Strongly Confined Spoof Surface Plasmon Polaritons Waveguiding Enabled by Planar Staggered Plasmonic Waveguides. <i>Scientific Reports</i> , 2016 , 6, 38528	4.9	25
649	Independent tuning of double plasmonic waves in a free-standing graphene-spacer-grating-spacer-graphene hybrid slab. <i>Optics Express</i> , 2016 , 24, 16961-72	3.3	25
648	Substrate Integrated Plasmonic Waveguide for Microwave Bandpass Filter Applications. <i>IEEE Access</i> , 2019 , 7, 75957-75964	3.5	24
647	Broadband cross polarization converter with unity efficiency for terahertz waves based on anisotropic dielectric meta-reflectarrays. <i>Materials Letters</i> , 2015 , 159, 269-272	3.3	24
646	Frequency-Domain Reverse-Time Migration of Ground Penetrating Radar Based on Layered Medium Green's Functions. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 2957-2965	4.7	24
645	Synthesis of Unequally Spaced Linear Antenna Arrays With Minimum Element Spacing Constraint by Alternating Convex Optimization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 3126-3130	3.8	24
644	Transient Electrothermal Analysis of Multilevel Interconnects in the Presence of ESD Pulses Using the Nonlinear Time-Domain Finite-Element Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2009 , 51, 774-783	2	24
643	Printed Quasi-Yagi Antennas Using Double Dipoles and Stub-Loaded Technique for Multi-Band and Broadband Applications. <i>IEEE Access</i> , 2018 , 6, 31695-31702	3.5	24

642	Dual-Polarized H-Shaped Printed Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1484-1487	3.8	23
641	A new efficient 3D Discontinuous Galerkin Time Domain (DGTD) method for large and multiscale electromagnetic simulations. <i>Journal of Computational Physics</i> , 2015 , 283, 374-387	4.1	23
640	A NON-SPURIOUS VECTOR SPECTRAL ELEMENT METHOD FOR MAXWELL'S EQUATIONS. <i>Progress in Electromagnetics Research</i> , 2009 , 96, 205-215	3.8	23
639	Review of PSTD methods for transient electromagnetics. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2004 , 17, 299-323	1	23
638	The spectral grid method: a novel fast Schrodinger-equation solver for semiconductor nanodevice simulation. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2004 , 23, 1200-1208 ²³	2.5	23
637	The hybrid extended Born approximation and CG-FFT method for electromagnetic induction problems. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2001 , 39, 347-355	8.1	23
636	A three-dimensional dyadic Green's function for elastic waves in multilayer cylindrical structures. <i>Journal of the Acoustical Society of America</i> , 1995 , 98, 2825-2835	2.2	23
635	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1994 , 32, 499-507	8.1	23
634	Bandpass Filter Using Three Pairs of Coupled Lines With Multiple Transmission Zeros. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 576-578	2.6	23
633	High-Efficiency Broadband Cross Polarization Converter for Near-Infrared Light Based on Anisotropic Plasmonic Meta-surfaces. <i>Plasmonics</i> , 2016 , 11, 61-64	2.4	22
632	Wave Equation-Based Implicit Subdomain DGTD Method for Modeling of Electrically Small Problems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 1111-1119	4.1	22
631	ISAR Imaging for Fluctuating Ships Based on a Fast Bilinear Parameter Estimation Algorithm. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 3954-3966	4.7	22
630	Simultaneous quantification of aqueous peroxide, nitrate, and nitrite during the plasma-liquid interactions by derivative absorption spectrophotometry. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 445207	3	22
629	3-D MRI-Based Electrical Properties Tomography Using the Volume Integral Equation Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 4802-4811	4.1	22
628	RCS computation of large inhomogeneous objects using a fast integral equation solver. <i>IEEE Transactions on Antennas and Propagation</i> , 2003 , 51, 613-618	4.9	22
627	Fast Electromagnetic Inversion of Inhomogeneous Scatterers Embedded in Layered Media by Born Approximation and 3-D U-Net. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1677-1681	4.1	22
626	A Higher Order Hybrid SIE/FEM/SEM Method for the Flexible Electromagnetic Simulation in Layered Medium. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 2563-2574	8.1	21
625	An Accurate 3-D CFS-PML Based Crank-Nicolson FDTD Method and Its Applications in Low-Frequency Subsurface Sensing. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2967-2975 ^{4.9}	4.9	21

624	Plasma electrochemical synthesis of cuprous oxide nanoparticles and their visible-light photocatalytic effect. <i>Electrochimica Acta</i> , 2016 , 222, 1677-1681	6.7	21
623	First-Order Multipath Ghosts' Characteristics and Suppression in MIMO Through-Wall Imaging. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1315-1319	4.1	21
622	. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 5260-5269	4.8	21
621	. <i>Proceedings of the IEEE</i> , 2013 , 101, 473-483	14.3	21
620	Efficient Ordinary Differential Equation-Based Discontinuous Galerkin Method for Viscoelastic Wave Modeling. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 5577-5584	8.1	21
619	Synthesis of Sparse Arrays With Frequency-Invariant-Focused Beam Patterns Under Accurate Sidelobe Control by Iterative Second-Order Cone Programming. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5826-5832	4.9	21
618	A Semianalytical Spectral Element Method for the Analysis of 3-D Layered Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 1-8	4.1	21
617	The unconditionally stable pseudospectral time-domain (PSTD) method. <i>IEEE Microwave and Wireless Components Letters</i> , 2003 , 13, 475-477	2.6	21
616	Multipole acoustic waveforms in fluid-filled boreholes in biaxially stressed formations: A finite-difference method. <i>Geophysics</i> , 2000 , 65, 190-201	3.1	21
615	Iterative algorithm for nonuniform inverse fast Fourier transform (NU-IFFT). <i>Electronics Letters</i> , 1998 , 34, 1913	1.1	21
614	Generalization of the k-space formulation to elastodynamic scattering problems. <i>Journal of the Acoustical Society of America</i> , 1995 , 97, 1373-1379	2.2	21
613	A Fast Radial Scanned Near-Field 3-D SAR Imaging System and the Reconstruction Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 1355-1363	8.1	20
612	Ultra-broadband wide-angle terahertz absorber realized by a doped silicon metamaterial. <i>Optics Communications</i> , 2020 , 471, 125835	2	20
611	Electromagnetic Waves in Multilayered Generalized Anisotropic Media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 5758-5766	8.1	20
610	A Novel Miniature Band-Notched Wing-Shaped Monopole Ultrawideband Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1614-1617	3.8	20
609	3-D Quantum Transport Solver Based on the Perfectly Matched Layer and Spectral Element Methods for the Simulation of Semiconductor Nanodevices. <i>Journal of Computational Physics</i> , 2007 , 227, 455-471	4.1	20
608	Fast Fourier transform for discontinuous functions. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 461-465	4.9	20
607	Unified Riemann solution for multi-physics coupling: Anisotropic poroelastic/elastic/fluid interfaces. <i>Journal of Computational Physics</i> , 2020 , 402, 108961	4.1	20

606	GO/PO and PTD With Virtual Divergence Factor for Fast Analysis of Scattering From Concave Complex Targets. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 2170-2179	4.9	19
605	Spurious solutions in mixed finite element method for Maxwell's equations: Dispersion analysis and new basis functions. <i>Journal of Computational Physics</i> , 2011 , 230, 7300-7310	4.1	19
604	Three-Dimensional GPR Ray Tracing Based on Wavefront Expansion With Irregular Cells. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011 , 49, 679-687	8.1	19
603	Inversion of multi-frequency experimental data for imaging complex objects by a DTAISI method. <i>Inverse Problems</i> , 2005 , 21, S165-S178	2.3	19
602	MULTIDOMAIN PSEUDOSPECTRAL TIME-DOMAIN (PSTD) METHOD FOR ACOUSTIC WAVES IN LOSSY MEDIA. <i>Journal of Computational Acoustics</i> , 2004 , 12, 277-299		19
601	High-efficient and low-coupling spoof surface plasmon polaritons enabled by V-shaped microstrips. <i>Optics Express</i> , 2019 , 27, 22088-22099	3.3	19
600	SYNTHESIS OF SPARSE OR THINNED LINEAR AND PLANAR ARRAYS GENERATING RECONFIGURABLE MULTIPLE REAL PATTERNS BY ITERATIVE LINEAR PROGRAMMING. <i>Progress in Electromagnetics Research</i> , 2016 , 155, 27-38	3.8	19
599	Fast Solution of Electromagnetic Scattering for 3-D Inhomogeneous Anisotropic Objects Embedded in Layered Uniaxial Media by the BCGS-FFT Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1748-1759	4.9	19
598	Adaptive JSPA in distributed colocated MIMO radar network for multiple targets tracking. <i>IET Radar, Sonar and Navigation</i> , 2019 , 13, 410-419	1.4	18
597	The Mixed-Order BCGS-FFT Method for the Scattering of Three-Dimensional Inhomogeneous Anisotropic Magnetodielectric Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5709-5717	4.9	18
596	Dual-Module NMM-IEM Machine Learning for Fast Electromagnetic Inversion of Inhomogeneous Scatterers With High Contrasts and Large Electrical Dimensions. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6245-6255	4.9	18
595	A Modified Efficient KNN Method for Antenna Optimization and Design. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6858-6866	4.9	18
594	A New Inversion Method Based on Distorted Born Iterative Method for Grounded Electrical Source Airborne Transient Electromagnetics. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 877-887	8.1	18
593	ISAR Imaging of Nonuniformly Rotating Targets Based on Generalized Decoupling Technique. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 520-532	4.7	18
592	Spectral Element Method and Domain Decomposition for Low-Frequency Subsurface EM Simulation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 550-554	4.1	18
591	Time-Gating-Based Time Reversal Imaging for Impulse Borehole Radar in Layered Media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 2695-2705	8.1	18
590	The formation pathways of aqueous hydrogen peroxide in a plasma-liquid system with liquid as the cathode. <i>Plasma Sources Science and Technology</i> , 2018 , 27, 085010	3.5	18
589	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2014 , 50, 33-52	3.7	18

588	Evaluation of contrast enhancement by carbon nanotubes for microwave-induced thermoacoustic tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 930-8	5	18
587	The Mixed Spectral-Element Method for Anisotropic, Lossy, and Open Waveguides. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 3094-3102	4.1	18
586	A Hybrid FETD-FDTD Method with Nonconforming Meshes. <i>Communications in Computational Physics</i> , 2011 , 9, 828-842	2.4	18
585	Computational Study of Time Reversal Mirror Technique for Microwave-Induced Thermo-Acoustic Tomography. <i>Journal of Electromagnetic Waves and Applications</i> , 2008 , 22, 2191-2204	1.3	18
584	A Staggered Upwind Embedded Boundary (SUEB) method to eliminate the FDTD staircasing error. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 730-741	4.9	18
583	Spectral element method for elastic and acoustic waves in frequency domain. <i>Journal of Computational Physics</i> , 2016 , 327, 19-38	4.1	18
582	Pseudo-Polar Fourier Transform-Based Compressed Sensing MRI. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 816-825	5	17
581	Analyzing Graphene-Based Absorber by Using the WCS-FDTD Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 3689-3696	4.1	17
580	Direct $\mathcal{Z}\mathcal{Z}$ -Transform Implementation of the CFS-PML Based on Memory-Minimized Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 877-882	4.1	17
579	A new upwind flux for a jump boundary condition applied to 3D viscous fracture modeling. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 331, 456-473	5.7	17
578	Analysis of Electromagnetic Induction for Hydraulic Fracture Diagnostics in Open and Cased Boreholes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 264-271	8.1	17
577	Characterizing Reservoir Heterogeneities Using Magnetic Nanoparticles 2015 ,		17
576	Spectral element method for band structures of three-dimensional anisotropic photonic crystals. <i>Physical Review E</i> , 2009 , 80, 056702	2.4	17
575	Spectral Element Method for the Schrödinger-Poisson System. <i>Journal of Computational Electronics</i> , 2004 , 3, 417-421	1.8	17
574	The 3-D multidomain pseudospectral time-domain method for wideband simulation. <i>IEEE Microwave and Wireless Components Letters</i> , 2003 , 13, 184-186	2.6	17
573	Frequency-Reconfigurable Wide-Angle Terahertz Absorbers Using Single- and Double-Layer Decussate Graphene Ribbon Arrays. <i>Nanomaterials</i> , 2018 , 8,	5.4	17
572	Mixed Spectral-Element Method for Overcoming the Low-Frequency Breakdown Problem in Subsurface EM Exploration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 3488-3500	8.1	16
571	Impulse Borehole Radar Imaging Based on Compressive Sensing. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 766-770	4.1	16

570	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 522-526	4.1	16
569	Volume Surface Integral Equation Method Based on Higher Order Hierarchical Vector Basis Functions for EM Scattering and Radiation From Composite Metallic and Dielectric Structures. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 5359-5372	4.9	16
568	The universality of lignocellulosic biomass liquefaction by plasma electrolysis under acidic conditions. <i>Bioresource Technology</i> , 2018 , 268, 531-538	11	16
567	A Compact Unidirectional Ultra-Wideband Circularly Polarized Antenna Based on Crossed Tapered Slot Radiation Elements. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 7353-7358	4.9	16
566	A Mixed-Order Stabilized Bi-Conjugate Gradient FFT Method for Magnetodielectric Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5647-5655	4.9	16
565	Modeling of 2D graphene material for plasmonic hybrid waveguide with enhanced near-infrared modulation. <i>Materials Letters</i> , 2017 , 186, 53-56	3.3	16
564	Efficient Near-Field Imaging for Single-Borehole Radar With Widely Separated Transceivers. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 5327-5337	8.1	16
563	A NEW 2D NON-SPURIOUS DISCONTINUOUS GALERKIN FINITE ELEMENT TIME DOMAIN (DG-FETD) METHOD FOR MAXWELL'S EQUATIONS. <i>Progress in Electromagnetics Research</i> , 2013 , 143, 385-404	3.8	16
562	High-Order Interface Treatment Techniques for Modeling Curved Dielectric Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 2946-2953	4.9	16
561	A spectral Integral method (SIM) for layered media. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 1742-11749	4.9	16
560	Radiation of Arbitrary Magnetic Dipoles in a Cylindrically Layered Anisotropic Medium for Well-Logging Applications. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 6362-6370	8.1	16
559	Compact Ring Slot Antenna With Harmonic Suppression. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2459-2463	3.8	16
558	Actively tunable broadband terahertz absorption using periodically square-patterned graphene. <i>Applied Physics Express</i> , 2018 , 11, 102201	2.4	16
557	The Mixed Finite-Element Method With Mass Lumping for Computing Optical Waveguide Modes. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 187-195	3.8	15
556	An Improved Subdomain Level Nonconformal Discontinuous Galerkin Time Domain (DGTD) Method for Materials With Full-Tensor Constitutive Parameters. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-13	1.8	15
555	Dual-band capacitively loaded annular-ring slot antenna for dual-sense circular polarization. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 867-878	1.3	15
554	Mechanism and optimization for plasma electrolytic liquefaction of sawdust. <i>Bioresource Technology</i> , 2017 , 241, 545-551	11	15
553	Adaptive detection of moving target with MIMO radar in heterogeneous environments based on Rao and Wald tests. <i>Signal Processing</i> , 2015 , 114, 198-208	4.4	15

552	Inversion of Rough Surface Parameters From SAR Images Using Simulation-Trained Convolutional Neural Networks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 1130-1134	4.1	15
551	Adaptive Decoupling Using Tunable Metamaterials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 2730-2739	4.1	15
550	An Omega-K Algorithm for Translational Invariant Bistatic SAR Based on Generalized Loffeld's Bistatic Formula. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 6699-6714	8.1	15
549	Interpolation-Free Stolt Mapping for SAR Imaging. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 926-929	4.1	15
548	A Slot-Based Surface Plasmon-Polariton Waveguide With Long-Range Propagation and Superconfinement. <i>IEEE Photonics Journal</i> , 2012 , 4, 844-855	1.8	15
547	AN INTEGRATED SIMULATION APPROACH AND EXPERIMENTAL RESEARCH ON MICROWAVE INDUCED THERMO-ACOUSTIC TOMOGRAPHY SYSTEM. <i>Progress in Electromagnetics Research</i> , 2013 , 140, 385-400	3.8	15
546	Three-dimensional dispersive metallic photonic crystals with a bandgap and a high cutoff frequency. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010 , 27, 1878-84	1.8	15
545	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2006 , 48, 273-281	2	15
544	A new approximation to three-dimensional electromagnetic scattering. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2005 , 2, 238-242	4.1	15
543	A spectral integral method (SIM) for periodic and nonperiodic structures. <i>IEEE Microwave and Wireless Components Letters</i> , 2004 , 14, 97-99	2.6	15
542	A coaxial-to-microstrip transition for multilayer substrates. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 584-588	4.1	15
541	The CGFFT method with a discontinuous FFT algorithm. <i>Microwave and Optical Technology Letters</i> , 2001 , 29, 47-49	1.2	15
540	Computation of transient electromagnetic waves in inhomogeneous media. <i>Radio Science</i> , 1991 , 26, 265-273	1.7	15
539	Treatment of Ribonucleoside Solution With Atmospheric-Pressure Plasma. <i>Plasma Processes and Polymers</i> , 2016 , 13, 429-437	3.4	15
538	Sign-Coherence-Factor-Based Suppression for Grating Lobes in Through-Wall Radar Imaging. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1681-1685	4.1	15
537	Joint Petrophysical and Structural Inversion of Electromagnetic and Seismic Data Based on Volume Integral Equation Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 2075-2086	8.1	15
536	3-D Domain Decomposition Based Hybrid Finite-Difference Time-Domain/Finite-Element Time-Domain Method With Nonconformal Meshes. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 3682-3688	4.1	14
535	A Single-Layer SIW Slots Array Monopulse Antenna Excited by a Dual-Mode Resonator. <i>IEEE Access</i> , 2019 , 7, 131282-131288	3.5	14

534	3-D ImplicitExplicit Hybrid Finite Difference/Spectral Element/Finite Element Time Domain Method Without a Buffer Zone. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5469-5476	4.9	14
533	A Two-Port Microwave Component With Dual-Polarized Filtering Antenna and Single-Band Bandpass Filter Operations. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5590-5601	4.9	14
532	A broadband proximity-coupled dual-polarized microstrip antenna with L-shape backed cavity for X-band applications. <i>AEU - International Journal of Electronics and Communications</i> , 2015 , 69, 1226-1232	2.8	14
531	High-performance spoof surface plasmon polariton waveguides and splitters based on Greek-cross fractal units. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 235502	3	14
530	Stabilized DG-PSTD Method With Nonconformal Meshes for Electromagnetic Waves. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4714-4726	4.9	14
529	Wideband high-efficient linear polarization rotators. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	14
528	Isotropic wide-angle analog of electromagnetically induced transparency in a terahertz metasurface. <i>Materials Letters</i> , 2018 , 223, 90-92	3.3	14
527	Remote Imaging of Proppants in Hydraulic Fracture Networks Using Electromagnetic Methods: Results of Small-Scale Field Experiments 2016 ,		14
526	Mitigating acoustic heterogeneous effects in microwave-induced breast thermoacoustic tomography using multi-physical K-means clustering. <i>Applied Physics Letters</i> , 2017 , 111, 223701	3.4	14
525	ISAR Imaging of Ship Targets Based on an Integrated Cubic Phase Bilinear Autocorrelation Function. <i>Sensors</i> , 2017 , 17,	3.8	14
524	Tunable microwave metamaterial absorbers using varactor-loaded split loops. <i>Europhysics Letters</i> , 2015 , 112, 54002	1.6	14
523	SYSTEM DEVELOPMENT OF MICROWAVE INDUCED THERMO-ACOUSTIC TOMOGRAPHY AND EXPERIMENTS ON BREAST TUMOR. <i>Progress in Electromagnetics Research</i> , 2013 , 134, 323-336	3.8	14
522	Fast and accurate 3-D ray tracing using bilinear travelttime interpolation and the wave front group marching. <i>Geophysical Journal International</i> , 2011 , 184, 1327-1340	2.6	14
521	Sierpinski Space-Filling Curves and Their Application in High-Speed Circuits for Ultrawideband SSN Suppression. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 568-571	3.8	14
520	A WIDEBAND HALF OVAL PATCH ANTENNA FOR BREAST IMAGING. <i>Progress in Electromagnetics Research</i> , 2009 , 98, 1-13	3.8	14
519	EVALUATION OF TRM IN THE COMPLEX THROUGH WALL ENVIRONMENT. <i>Progress in Electromagnetics Research</i> , 2009 , 90, 235-254	3.8	14
518	Ground-penetrating radar land mine imaging: Two-dimensional seismic migration and three-dimensional inverse scattering in layered media. <i>Radio Science</i> , 2005 , 40, n/a-n/a	1.4	14
517	Compressional head waves in attenuative formations: Forward modeling and inversion. <i>Geophysics</i> , 1996 , 61, 1908-1920	3.1	14

516	Enhancement of graphene's third-harmonic generation with localized surface plasmon resonance under optical/electro-optic Kerr effects. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016 , 33, 615	1.7	14
515	Accurate Fracture Scattering Simulation by Thin Dielectric Sheet-Based Surface Integral Equation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1448-1451	4.1	14
514	Application of 2.5-D Finite Difference Method in Logging-While-Drilling Electromagnetic Measurements for Complex Scenarios. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 577-581	4.1	14
513	Fast Linear Array Synthesis Including Coupling Effects Utilizing Iterative FFT via Least-Squares Active Element Pattern Expansion. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 804-807	3.8	13
512	Wavelet transform with generalized beta wavelets for seismic time-frequency analysis. <i>Geophysics</i> , 2017 , 82, O47-O56	3.1	13
511	Full-anisotropic poroelastic wave modeling: A discontinuous Galerkin algorithm with a generalized wave impedance. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 346, 288-311	5.7	13
510	A Low-Profile and Stacked Patch Antenna for Pattern-Reconfigurable Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4830-4835	4.9	13
509	High-Sensitivity Refractive Index Sensors Using Coherent Perfect Absorption on Graphene in the Vis-NIR Region. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3231-3237	5.6	13
508	Multigrade Artificial Neural Network for the Design of Finite Periodic Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3109-3116	4.9	13
507	Spectral element method for band-structure calculations of 3D phononic crystals. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 455102	3	13
506	Multiple resonant excitations of surface plasmons in a graphene stratified slab by Otto configuration and their independent tuning. <i>Photonics Research</i> , 2017 , 5, 377	6	13
505	Novel Array EBG Structures for Ultrawideband Simultaneous Switching Noise Suppression. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 588-591	3.8	13
504	Synthesis of Conformal Phased Arrays With Embedded Element Pattern Decomposition. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 2882-2888	4.9	13
503	A 3-D Spectral Integral Method (SIM) for Surface Integral Equations. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 62-64	2.6	13
502	A Spectral Integral Method and Hybrid SIM/FEM for Layered Media. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 3878-3884	4.1	13
501	A spectral-element time-domain solution of Maxwell's equations. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 673-680	1.2	13
500	Three-dimensional electromagnetic nonlinear inversion in layered media by a hybrid diagonal tensor approximation: Stabilized biconjugate gradient fast Fourier transform method. <i>Waves in Random and Complex Media</i> , 2007 , 17, 129-147	1.9	13
499	Fast spectral-domain method for acoustic scattering problems. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2001 , 48, 522-9	3.2	13

498	Accurate algorithms for nonuniform fast forward and inverse Fourier transforms and their applications 1998 ,		13
497	A CG-FFHT method for the scattering solution of axisymmetric inhomogeneous media. <i>Microwave and Optical Technology Letters</i> , 1993 , 6, 101-104	1.2	13
496	The Efficient Mixed FEM With the Impedance Transmission Boundary Condition for Graphene Plasmonic Waveguides. <i>Journal of Lightwave Technology</i> , 2016 , 34, 5363-5370	4	13
495	Multifrequency 3-D Inversion of GRETEM Data by BCGS-FFT-BIM. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 2439-2448	8.1	13
494	Radar Detection and Motion Parameters Estimation of Maneuvering Target Based on the Extended Keystone Transform (July 2018). <i>IEEE Access</i> , 2018 , 6, 76060-76074	3.5	13
493	Frequency-Domain Backprojection Algorithm for Synthetic Aperture Radar Imaging. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 905-909	4.1	12
492	Efficient phase-only linear array synthesis including coupling effect by GA-FFT based on least-square active element pattern expansion method. <i>Electronics Letters</i> , 2015 , 51, 791-792	1.1	12
491	Enhanced plasmonic light absorption engineering of graphene: simulation by boundary-integral spectral element method. <i>Optics Express</i> , 2015 , 23, 4539-51	3.3	12
490	Lightning-Induced Voltages on a Distribution Line With Surge Arresters Using a Hybrid FDTD/SPICE Method. <i>IEEE Transactions on Power Delivery</i> , 2018 , 33, 2354-2363	4.3	12
489	Two-Dimensional Spectrum for Circular Trace Scanning SAR Based on an Implicit Function. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 887-891	4.1	12
488	A Compact Upwind Flux With More Physical Insight for Wave Propagation in 3-D Poroelastic Media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 5794-5801	8.1	12
487	Active adjoint modeling method in microwave induced thermoacoustic tomography for breast tumor. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 1957-66	5	12
486	A Two-Grid Vector Discretization Scheme for the Resonant Cavity Problem With Anisotropic Media. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2719-2725	4.1	12
485	Mixed Spectral Element Method for 2D Maxwell's Eigenvalue Problem. <i>Communications in Computational Physics</i> , 2015 , 17, 458-486	2.4	12
484	NOVEL DESIGN OF A COMPACT TRIPLE-BAND BANDPASS FILTER USING SHORT STUB-LOADED SIRS AND EMBEDDED SIRS STRUCTURE. <i>Progress in Electromagnetics Research</i> , 2013 , 142, 309-320	3.8	12
483	Time-Domain Investigation on Cable-Induced Transient Coupling Into Metallic Enclosures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2009 , 51, 953-962	2	12
482	Accurate determination of band structures of two-dimensional dispersive anisotropic photonic crystals by the spectral element method. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009 , 26, 1598-605	1.8	12
481	Nonuniform Fast Cosine Transform and Chebyshev PSTD Algorithms. <i>Progress in Electromagnetics Research</i> , 2000 , 28, 253-273	3.8	12

480	Reconstruction of axisymmetric media with an FFHT-enhanced extended Born approximation. <i>Inverse Problems</i> , 2000 , 16, 1281-1295	2.3	12
479	Acoustic waves in pressurized boreholes: A finite difference formulation. <i>Journal of Geophysical Research</i> , 1996 , 101, 25173-25180		12
478	3-D Electromagnetic Scattering and Inverse Scattering by Magnetodielectric Objects With Arbitrary Anisotropy in Layered Uniaxial Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1009-1022	4.9	12
477	A Novel Coupling Algorithm for Perfectly Matched Layer With Wave Equation-Based Discontinuous Galerkin Time-Domain Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 255-261	4.9	12
476	Finite Element Method for Resonant Cavity Problem With Complex Geometrical Structure and Anisotropic Fully Conducting Media. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2240-2248	4.1	11
475	Novel and Stable Formulations for the Response of Horizontal-Coil Eccentric Antennas in a Cylindrically Multilayered Medium. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1967-1977	4.9	11
474	Three-Dimensional Reconstruction of Objects Embedded in Spherically Layered Media Using Variational Born Iterative Method. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 1037-1041	4.1	11
473	An Efficient Mixed Finite-Element Time-Domain Method for Complex Electrically Small Problems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 1285-1294	4.1	11
472	Impacts of the murine skull on high-frequency transcranial photoacoustic brain imaging. <i>Journal of Biophotonics</i> , 2019 , 12, e201800466	3.1	11
471	Moving target detection for polarimetric multiple-input multiple-output radar in Gaussian clutter. <i>IET Radar, Sonar and Navigation</i> , 2015 , 9, 285-298	1.4	11
470	Reconstruction of High-Contrast Proppant in Hydraulic Fractures With Galvanic Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 2066-2073	8.1	11
469	. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-8	2	11
468	Solid-Angle Error in the Magnetic-Field Integral Equation for Perfectly Electric Conducting Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1158-1163	4.9	11
467	Adaptive Bayesian detection for multiple-input multiple-output radar in compound-Gaussian clutter with random texture. <i>IET Radar, Sonar and Navigation</i> , 2016 , 10, 689-698	1.4	11
466	Robust adaptive beamforming using an iterative FFT algorithm. <i>Signal Processing</i> , 2014 , 96, 253-260	4.4	11
465	Block based compressive sensing method of microwave induced thermoacoustic tomography for breast tumor detection. <i>Journal of Applied Physics</i> , 2017 , 122, 024702	2.5	11
464	MIXED FINITE ELEMENT METHOD FOR 2D VECTOR MAXWELL'S EIGENVALUE PROBLEM IN ANISOTROPIC MEDIA. <i>Progress in Electromagnetics Research</i> , 2014 , 148, 159-170	3.8	11
463	A HYBRID OPTIMIZATION FOR PATTERN SYNTHESIS OF LARGE ANTENNA ARRAYS. <i>Progress in Electromagnetics Research</i> , 2014 , 145, 81-91	3.8	11

462	Resolving Manifold Ambiguities for Sparse Array Using Planar Substrates. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2558-2562	4.9	11
461	A HIGH ACCURACY CONFORMAL METHOD FOR EVALUATING THE DISCONTINUOUS FOURIER TRANSFORM. <i>Progress in Electromagnetics Research</i> , 2010 , 109, 425-440	3.8	11
460	EBG Structures with Fractal Topologies for Ultra-Wideband Ground Bounce Noise Suppression. <i>Journal of Electromagnetic Waves and Applications</i> , 2010 , 24, 1365-1374	1.3	11
459	Broadband Electromagnetic Radiation Modulated by Dual Memristors. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 623-626	3.8	11
458	A Hybrid SIM-SEM Method for 3-D Electromagnetic Scattering Problems. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 3655-3663	4.9	11
457	DIFFT: A Fast and Accurate Algorithm for Fourier Transform Integrals of Discontinuous Functions. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 716-718	2.6	11
456	Thermoacoustic tomography forward modeling with the spectral element method. <i>Medical Physics</i> , 2008 , 35, 4-12	4.4	11
455	A frequency-dependent PSTD algorithm for general dispersive media 1999 , 9, 51-53		11
454	HIGHER ORDER FINITE ELEMENT METHOD FOR INHOMOGENEOUS AXISYMMETRIC RESONATORS. <i>Progress in Electromagnetics Research B</i> , 2010 , 21, 189-201	0.7	11
453	Bidirectional multi-mode microwave vortex beam generation enabled by spoof surface plasmon polaritons. <i>Applied Physics Letters</i> , 2020 , 117, 241601	3.4	11
452	Compact sext-band bandpass filter based on single multimode resonator with high band-to-band isolations. <i>Electronics Letters</i> , 2016 , 52, 729-731	1.1	11
451	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 140-150	4.9	11
450	Reducing the effects of acoustic heterogeneity with an iterative reconstruction method from experimental data in microwave induced thermoacoustic tomography. <i>Medical Physics</i> , 2015 , 42, 2103-12	4.4	10
449	Adaptive polarimetric detection method for target in partially homogeneous background. <i>Signal Processing</i> , 2015 , 106, 301-311	4.4	10
448	Ultra-compact spoof surface plasmon polariton waveguides and notch filters based on double-sided parallel-strip lines. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 265502	3	10
447	Multiparametric Electromagnetic Inversion of 3-D Biaxial Anisotropic Objects Embedded in Layered Uniaxial Media Using VBIM Enhanced by Structural Consistency Constraint. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4774-4785	4.9	10
446	Design of Triplexer Using E-Stub-Loaded Composite Right-/Left-Handed Resonators and Quasi-Lumped Impedance Matching Network. <i>IEEE Access</i> , 2018 , 6, 18814-18821	3.5	10
445	A Frequency-Hopping Subspace-Based Optimization Method for Reconstruction of 2-D Large Uniaxial Anisotropic Scatterers With TE Illumination. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 6091-6099	8.1	10

444	Design of a high-selectivity quad-band bandpass filter based on μ A resonators with alternative J/K inverters. <i>AEU - International Journal of Electronics and Communications</i> , 2016 , 70, 1028-1033	2.8	10
443	Reducing the Number of Elements in the Synthesis of a Broadband Linear Array With Multiple Simultaneous Frequency-Invariant Beam Patterns. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5838-5848	4.9	10
442	Spectral element boundary integral method with periodic layered medium dyadic Green's function for multiscale nano-optical scattering analysis. <i>Optics Express</i> , 2017 , 25, 24199-24214	3.3	10
441	NEW EFFICIENT IMPLICIT TIME INTEGRATION METHOD FOR DGTD APPLIED TO SEQUENTIAL MULTIDOMAIN AND MULTISCALE PROBLEMS. <i>Progress in Electromagnetics Research</i> , 2015 , 151, 1-8	3.8	10
440	Unidirectional planar monopole ultra-wideband antenna using wrench-shaped feeding structure. <i>Electronics Letters</i> , 2014 , 50, 654-655	1.1	10
439	A High-Precision Integration Scheme for the Spectral-Element Time-Domain Method in Electromagnetic Simulation. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 3223-3231	4.9	10
438	A NEW EFFICIENT FDTD TIME-TO-FREQUENCY-DOMAIN CONVERSION ALGORITHM. <i>Progress in Electromagnetics Research</i> , 2009 , 92, 33-46	3.8	10
437	Pseudospectral beam-propagation method for optical waveguides. <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 60-62	2.2	10
436	A fast 2D volume integral-equation solver for scattering from inhomogeneous objects in layered media. <i>Microwave and Optical Technology Letters</i> , 2005 , 47, 128-134	1.2	10
435	Pseudospectral time-domain algorithm applied to electromagnetic scattering from electrically large objects. <i>Microwave and Optical Technology Letters</i> , 2001 , 29, 123-125	1.2	10
434	Nonuniform fast Hankel transform (NUFHT) algorithm. <i>Applied Optics</i> , 1999 , 38, 6705-8	1.7	10
433	Post-Earthquake Damage Inspection of Wood-Frame Buildings by a Polarimetric GB-SAR System. <i>Remote Sensing</i> , 2016 , 8, 935	5	10
432	A Hybrid FEM/MoM Method for 3-D Electromagnetic Scattering in Layered Medium. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3487-3495	4.9	10
431	Large-Scale Uniform Silver Nanocave Array for Visible Light Refractive Index Sensing Using Soft UV Nanoimprint. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-7	1.8	10
430	. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 135-138	2.2	10
429	Control of Higher Order Harmonics and Spurious Modes for Microstrip Patch Antennas. <i>IEEE Access</i> , 2018 , 6, 34158-34165	3.5	10
428	A Stable Analytic Model for Tilted-Coil Antennas in a Concentrically Cylindrical Multilayered Anisotropic Medium. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 480-483	4.1	9
427	Nonconformal Discretization of Electric Current Volume Integral Equation With Higher Order Hierarchical Vector Basis Functions. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4155-4169	4.9	9

426	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 3810-3820	4.7	9
425	Constructing dual-frequency OAM circular patch antenna using characteristic mode theory. <i>Journal of Applied Physics</i> , 2019 , 126, 064501	2.5	9
424	Frequency Reconfigurable Circular Patch Antenna with an Arc-Shaped Slot Ground Controlled by PIN Diodes. <i>International Journal of Antennas and Propagation</i> , 2017 , 2017, 1-7	1.2	9
423	On the quantification of the dissolved hydroxyl radicals in the plasma-liquid system using the molecular probe method. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 155205	3	9
422	Interaction between charged nanoparticles and vesicles: coarse-grained molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31946-31957	3.6	9
421	Multiphysics Coupling of Dynamic Fluid Flow and Electromagnetic Fields for Subsurface Sensing. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2016 , 1, 14-25	1.5	9
420	MIMO through-wall radar 3-D imaging of a human body in different postures. <i>Journal of Electromagnetic Waves and Applications</i> , 2016 , 30, 849-859	1.3	9
419	Electromagnetic Forward and Inverse Algorithms for 3-D Through-Casing Induction Mapping of Arbitrary Fractures. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 996-1000	4.1	9
418	Twofold Domain Decomposition Method for the Analysis of Multiscale Composite Structures. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6090-6103	4.9	9
417	Design and Fabrication of Polymer Cross Fiber for Large-Core Single-Mode Operation. <i>Journal of Lightwave Technology</i> , 2009 , 27, 101-107	4	9
416	COMBINED STRATEGIES BASED ON MATRIX PENCIL METHOD AND TABU SEARCH ALGORITHM TO MINIMIZE ELEMENTS OF NON-UNIFORM ANTENNA ARRAY. <i>Progress in Electromagnetics Research B</i> , 2009 , 18, 259-277	0.7	9
415	The hybrid extended born approximation and CG-FFHT method for axisymmetric media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2001 , 39, 710-717	8.1	9
414	Analysis of a probe-fed microstrip disk antenna. <i>IEE Proceedings H: Microwaves, Antennas and Propagation</i> , 1991 , 138, 185		9
413	Curve-fitting formulas for fast determination of accurate resonant frequency of circular microstrip patches. <i>IEE Proceedings H: Microwaves, Antennas and Propagation</i> , 1988 , 135, 289		9
412	Carbon Nanotubes Enabling Highly Efficient Cell Apoptosis by Low-Intensity Nanosecond Electric Pulses via Perturbing Calcium Handling. <i>Small</i> , 2020 , 16, e1904047	11	9
411	The Scattering of Electromagnetic Fields from Anisotropic Objects Embedded in Anisotropic Multilayers. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7561-7568	4.9	9
410	Reducing Acoustic Inhomogeneity Based on Speed of Sound Autofocus in Microwave Induced Thermoacoustic Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2206-2214	5	9
409	Mixed Spectral-Element Method for the Waveguide Problem With Bloch Periodic Boundary Conditions. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019 , 61, 1568-1577	2	9

408	A simple implementation of PML for second-order elastic wave equations. <i>Computer Physics Communications</i> , 2020 , 246, 106867	4.2	9
407	Dual-Polarized Filtering Magneto-Electric Dipole Antenna Utilizing Intrinsic Highpass Filter Network and Integrated Lowpass Filter Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	9
406	Simultaneous Fabrication of Two Kinds of Plasmonic Crystals by One Nanoimprint Mold. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 504-506	2.2	8
405	Generalisation of genetic algorithm and fast Fourier transform for synthesising unequally spaced linear array shaped pattern including coupling effects. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 827-832	1.6	8
404	Ultra-Wideband Terahertz Absorption Using Dielectric Circular Truncated Cones. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-7	1.8	8
403	Spectral Numerical Mode Matching Method for Metasurfaces. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 2629-2639	4.1	8
402	Efficient and Accurate Electromagnetic Modeling of Triaxial Induction Responses From Multiscale Fractures for Well-Logging Applications. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2019 , 4, 20-28	1.5	8
401	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1683-1687	4.1	8
400	Numerical simulation and dimension reduction analysis of electromagnetic logging while drilling of horizontal wells in complex structures. <i>Petroleum Science</i> , 2020 , 17, 645-657	4.4	8
399	Simulation of 3-D Electromagnetic Scattering and Inverse Scattering by Arbitrary Anisotropic Dielectric Objects Embedded in Layered Arbitrary Anisotropic Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6473-6478	4.9	8
398	Semisupervised Radial Basis Function Neural Network With an Effective Sampling Strategy. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1260-1269	4.1	8
397	Demonstration of Proof of Concept of Electromagnetic Geophysical Methods for High Resolution Illumination of Induced Fracture Networks 2018 ,		8
396	Synthesising multiple-pattern sparse linear array with accurate sidelobe control by the extended reweighted L1-norm minimisation. <i>Electronics Letters</i> , 2018 , 54, 548-550	1.1	8
395	. <i>IEEE Electron Device Letters</i> , 2016 , 37, 1185-1188	4.4	8
394	Refraction Angle Approximation Algorithm for Wall Compensation in TWRI. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 943-946	4.1	8
393	Simulation of Low-Frequency Scattering From Penetrable Objects in Layered Medium by Current and Charge Integral Equations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 6537-6546	8.1	8
392	Synthesizing Uniform Amplitude Sparse Dipole Arrays With Shaped Patterns by Joint Optimization of Element Positions, Rotations and Phases. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6017-6028	4.9	8
391	Enhanced Optical Bistability by Coupling Effects in Magnetic Metamaterials. <i>Journal of Lightwave Technology</i> , 2019 , 37, 5814-5820	4	8

390	. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015 , 5, 1839-1849	1.7	8
389	RECONSTRUCTION OF MICROWAVE ABSORPTION PROPERTIES IN HETEROGENEOUS TISSUE FOR MICROWAVE-INDUCED THERMO-ACOUSTIC TOMOGRAPHY. <i>Progress in Electromagnetics Research</i> , 2012 , 130, 225-240	3.8	8
388	Extraordinary transmission of a thick film with a periodic structure consisting of strongly dispersive materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 629	1.7	8
387	3D EIT for breast cancer imaging: System, measurements, and reconstruction. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 3261-3271	1.2	8
386	An efficient forward solver in electrical impedance tomography by spectral element method. <i>IEEE Transactions on Medical Imaging</i> , 2006 , 25, 1044-51	11.7	8
385	. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 1398-1406	4.9	8
384	An efficient PSTD algorithm for cylindrical coordinates. <i>IEEE Transactions on Antennas and Propagation</i> , 2001 , 49, 1349-1351	4.9	8
383	The Influence of Vesicle Shape and Medium Conductivity on Possible Electrofusion under a Pulsed Electric Field. <i>PLoS ONE</i> , 2016 , 11, e0158739	3.7	8
382	Incorporating Full Attenuation Mechanisms of Poroelastic Media for Realistic Subsurface Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 2087-2096	8.1	8
381	Near-Unity Anisotropic Infrared Absorption in Monolayer Black Phosphorus With/Without Subwavelength Patterning Design. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-7	3.8	8
380	Inverse Artificial Neural Network for Multiobjective Antenna Design. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	8
379	Discontinuous Galerkin modeling of 3D arbitrary anisotropic Q. <i>Geophysics</i> , 2019 , 84, C295-C309	3.1	7
378	Adaptive two-step Bayesian MIMO detectors in compound-Gaussian clutter. <i>Signal Processing</i> , 2019 , 161, 1-13	4.4	7
377	Optical cross-polarization converter with an octave bandwidth based on anisotropic plasmonic meta-surfaces. <i>Europhysics Letters</i> , 2015 , 111, 27001	1.6	7
376	Imaging Hydraulic Fractures Under Energized Steel Casing by Convolutional Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 8831-8839	8.1	7
375	A Six-Port Dual-Function RF Device With Four-Element MIMO Antenna Array and Bandpass Filter Operations. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4549-4559	4.9	7
374	Mixed Finite Element Method for Full-Wave Simulation of Bioelectromagnetism From DC to Microwave Frequencies. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2765-2772	5	7
373	3-D Full-Wave Inversion of Helicopter Transient Electromagnetic Data in Frequency Domain. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 4928-4938	8.1	7

372	Fast Simulation of Scattering Problem for Magnetodielectric Materials With General Anisotropy in Layered Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4785-4793	4.9	7
371	Broadband Tunable Frequency Selective Surface for Steerable Antenna Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 5496-5500	4.9	7
370	Facile synthesis of cuprous oxide nanoparticles by plasma electrochemistry. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 275201	3	7
369	Determining the First-Null Mainlobe Region of an Arbitrary Pattern for 2-D Numerical Pattern Synthesis Algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1130-1136	4.9	7
368	What Are the Effective Reactants in the Plasma-Induced Wastewater Treatment?. <i>Journal of the Electrochemical Society</i> , 2018 , 165, E454-E459	3.9	7
367	Planar dual- and tri-band bandpass filters using single improved ring resonator and simple feed scheme. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 574-577	1.2	7
366	An iterative FFT based flat-top footprint pattern synthesis method with planar array. <i>Journal of Electromagnetic Waves and Applications</i> , 2012 , 26, 1956-1966	1.3	7
365	A hybrid finite-element/finite-difference method with an implicit-explicit time-stepping scheme for Maxwell's equations. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2012 , 25, 607-620	1	7
364	ROBUST ADAPTIVE BEAMFORMING AGAINST ARRAY CALIBRATION ERRORS. <i>Progress in Electromagnetics Research</i> , 2013 , 140, 341-351	3.8	7
363	IMPROVED 3-D GPR DETECTION BY NUFFT COMBINED WITH MPD METHOD. <i>Progress in Electromagnetics Research</i> , 2010 , 103, 185-199	3.8	7
362	A spectral element method calculation of extraordinary light transmission through periodic subwavelength slits. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, 560	1.7	7
361	Fast inhomogeneous plane wave algorithm for scattering from PEC body of revolution. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 1915-1922	1.2	7
360	Improving Non-Cartesian MRI Reconstruction through Discontinuity Subtraction. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 87092	5.2	7
359	Improved diagonal tensor approximation (DTA) and hybrid DTA/BCGSFFT method for accurate simulation of 3D inhomogeneous objects in layered media. <i>Waves in Random and Complex Media</i> , 2007 , 17, 55-66	1.9	7
358	Fast Algorithm for Simulating 3-D Electromagnetic Inverse Scattering in Horizontally Stratified Medium Via DTA. <i>Chinese Journal of Geophysics</i> , 2007 , 50, 1365-1377		7
357	Transient electromagnetic modeling with the generalized K-space (GkS) method. <i>Microwave and Optical Technology Letters</i> , 1994 , 7, 842-848	1.2	7
356	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1994 , 32, 494-498	8.1	7
355	Efficient Stolt Migration for Large Nonuniform Single Borehole Radar Surveys. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 7250-7260	8.1	7

354	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019 , 61, 1578-1585	2	7
353	An Adaptive High-Order Transient Algorithm to Solve Large-Scale Anisotropic Maxwell's Equations. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	7
352	Graphene-Based Plasmonic Tunable Dual-Band Bandstop Filter in the Far-Infrared Region. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-9	1.8	7
351	GPU acceleration of time gating based reverse time migration using the pseudospectral time-domain algorithm. <i>Computers and Geosciences</i> , 2018 , 117, 57-62	4.5	7
350	Doubly mirror-induced electric and magnetic anapole modes in metal-dielectric-metal nanoresonators. <i>Optics Letters</i> , 2021 , 46, 576-579	3	7
349	Microstrip-line-fed reactively loaded circularly polarized annular-ring slot antenna. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 101-110	1.3	6
348	Short- and open-stub loaded spiral resonator and its application in planar microstrip filters. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 363-369	1.6	6
347	Modal Proportion Analysis in Antenna Characteristic Mode Theory. <i>International Journal of Antennas and Propagation</i> , 2019 , 2019, 1-10	1.2	6
346	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 4591-4599	8.1	6
345	A novel vivaldi antenna with extended ground plane stubs for ultrawideband applications. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 983-987	1.2	6
344	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 3219-3228	4.1	6
343	Modal Analysis of 2-D Material-Based Plasmonic Waveguides by Mixed Spectral Element Method With Equivalent Boundary Condition. <i>Journal of Lightwave Technology</i> , 2020 , 38, 3677-3686	4	6
342	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5524-5533	4.9	6
341	Multimode Jahn-Teller effect in bulk systems: A case of the NV0 center in diamond. <i>Physical Review B</i> , 2018 , 97,	3.3	6
340	A Study of Composite Electromagnetic Scattering From an Object Near a Rough Sea Surface Using an Efficient Numerical Algorithm. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 186-190	3.8	6
339	Efficient dictionary construction method for microwave induced thermoacoustic compressive sensing imaging. <i>Applied Physics Letters</i> , 2018 , 113, 053701	3.4	6
338	A wideband printed slot antenna with harmonic suppression. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1946-1952	1.2	6
337	Method of solving ambiguity for sparse array via power estimation based on MUSIC algorithm. <i>Signal Processing</i> , 2012 , 92, 542-546	4.4	6

- 336 Amplitude Angle Monopulse Estimation for the Four-Channel Hybrid Polarimetric Radar System. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 1-1 3.8 6
- 335 Modified Chirp Scaling Algorithm for Circular Trace Scanning Synthetic Aperture Radar. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 7081-7091 8.1 6
- 334 Discontinuous Galerkin pseudospectral time domain algorithm (DG-PSTD) with auxiliary ordinary differential equations perfectly matched layer (AODE-PML) for 3D seismic modelling **2015**, 6
- 333 Full-polarisation three-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 1.6 6
- 332 Boundary integral spectral element method analyses of extreme ultraviolet multilayer defects. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2014**, 31, 2203-9 1.8 6
- 331 A COMPACT LINEAR TAPERED SLOT ANTENNA WITH INTEGRATED BALUN FOR UWB APPLICATIONS. *Progress in Electromagnetics Research C*, **2012**, 29, 163-176 0.9 6
- 330 Focusing translational variant bistatic forward-looking SAR using extended nonlinear Chirp Scaling algorithm **2013**, 6
- 329 . *Proceedings of the IEEE*, **2013**, 101, 223-226 14.3 6
- 328 Application of Support Vector Machines to Accelerate the Solution Speed of Metaheuristic Algorithms. *IEEE Transactions on Magnetics*, **2009**, 45, 1502-1505 2 6
- 327 Discontinuous Fast Fourier Transform with Triangle Mesh for Two-dimensional Discontinuous Functions. *Journal of Electromagnetic Waves and Applications*, **2011**, 25, 1045-1057 1.3 6
- 326 FDTD and PSTD simulations for plasma applications. *IEEE Transactions on Plasma Science*, **2001**, 29, 341-348 6
- 325 Simulation of induction-logging response using conjugate gradient method with nonuniform fast Fourier and fast Hankel transforms. *Radio Science*, **2001**, 36, 599-608 1.4 6
- 324 Ocular anterior chamber blood cell population differentiation using spectroscopic optical coherence tomography. *Biomedical Optics Express*, **2019**, 10, 3281-3300 3.5 6
- 323 A Back-fire to Forward Wide-Angle Beam Steering Leaky-wave Antenna Based on SSPPs. *IEEE Transactions on Antennas and Propagation*, **2022**, 1-1 4.9 6
- 322 An FDTD Method for Fully Anisotropic Periodic Structures Impinged by Obliquely Incident Plane Waves. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 366-376 4.9 6
- 321 Selective light trapping of plasmonic stack metamaterials by circuit design. *Nanoscale*, **2020**, 12, 2057-2067 6
- 320 The Efficient Hybrid Mixed Spectral Element Method With Surface Current Boundary Condition for Modeling 2.5-D Fractures and Faults. *IEEE Access*, **2020**, 8, 135339-135346 3.5 6
- 319 Reverse Time Migration Using the Pseudospectral Time-Domain Algorithm. *Journal of Computational Acoustics*, **2016**, 24, 1650005 6

318	Imprinted plasmonic measuring nanocylinders for nanoscale volumes of materials. <i>Nanophotonics</i> , 2019 , 9, 167-176	6.3	6
317	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1335-1340	4.9	6
316	Efficient Inverse Extreme Learning Machine for Parametric Design of Metasurfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 992-996	3.8	6
315	Transmit Beampattern Synthesis for Frequency Diverse Array With Particle Swarm Frequency Offset Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 892-901	4.9	6
314	Wideband Quad-Polarization Reconfigurable Antenna Using Switchable Feed Network With Stable Unidirectional Radiation Patterns. <i>IEEE Access</i> , 2018 , 6, 73434-73443	3.5	6
313	High-selectivity single-ended and balanced bandpass filters using ring resonators and coupled lines loaded with multiple stubs. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 96, 193-198	2.8	6
312	Microwave induced thermoacoustic tomography based on probabilistic reconstruction. <i>Applied Physics Letters</i> , 2018 , 112, 263701	3.4	6
311	A Hybrid Solver Based on Domain Decomposition Method for the Composite Scattering in Layered Medium. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 420-423	3.8	5
310	Metamaterial cavity for the isolation enhancement of closely positioned dual-polarized relay antenna arrays. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 857-862	1.2	5
309	A Hybrid 3-D Electromagnetic Method for Induction Detection of Hydraulic Fractures Through a Tilted Cased Borehole in Planar Stratified Media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 4568-4576	8.1	5
308	Parametric Modeling of Microwave Components Based on Semi-Supervised Learning. <i>IEEE Access</i> , 2019 , 7, 35890-35897	3.5	5
307	Enhanced Antitumor Efficacy Achieved Through Combination of nsPEFs and Low-Dosage Paclitaxel. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 3129-3135	5	5
306	Electromagnetic Inverse Scattering Series Method for Positioning Three-Dimensional Targets in Near-Surface Two-Layer Medium With Unknown Dielectric Properties. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 299-303	4.1	5
305	Realization of Third-Order OAM Mode Using Ring Patch Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7607-7611	4.9	5
304	The formation mechanism of aqueous hydrogen peroxide in a plasma-liquid system with liquid as the anode. <i>European Physical Journal D</i> , 2020 , 74, 1	1.3	5
303	Analysis of the Grounding for the Substation Under Very Fast Transient Using Improved Lossy Thin-Wire Model for FDTD. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018 , 60, 1833-1841	2	5
302	Perfect Undetectable Acoustic Device from Fabry-Pérot Resonances. <i>Physical Review Applied</i> , 2018 , 9,	4.3	5
301	The rotated Cartesian coordinate method to remove the axial singularity of cylindrical coordinates in finite-difference schemes for elastic and viscoelastic waves. <i>Geophysical Prospecting</i> , 2018 , 66, 27-39	1.9	5

300	Pseudoanalytical Formulations for Modeling the Effect of an Insulating Layer in Electromagnetic Well Logging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 7022-7029	8.1	5
299	Simulation of Electromagnetic Scattering of 3-D Inhomogeneous Biaxial Anisotropic Magnetodielectric Objects Embedded in Uniaxial Anisotropic Media by the Mixed-Order BCGS-FFT Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3745-3755	4.1	5
298	Efficient implementation of multi-pole UPML using trapezoidal approximation for general media. <i>Journal of Applied Geophysics</i> , 2014 , 111, 59-65	1.7	5
297	Hierarchical dictionary compressive sensing (HDCS) method in microwave induced thermal acoustic tomography. <i>Biomedical Signal Processing and Control</i> , 2014 , 14, 148-157	4.9	5
296	Compact ultra-wideband bandpass filter using quad-T-stub-loaded ring structure. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1988-1991	1.2	5
295	Broadband unidirectional printed antenna with quad-folded dipoles for circular polarization. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2871-2876	1.2	5
294	A 2-D enlarged cell technique (ECT) for elastic wave modelling on a curved free surface. <i>Geophysical Journal International</i> , 2015 , 201, 475-485	2.6	5
293	Resolving manifold ambiguities for direction-of-arrival estimation of sparse array using semi-circular substrates. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 1016-1020	1.6	5
292	Enhancement of second-harmonic generation in an air-bridge photonic crystal slab: simulation by spectral element method. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 2879	1.7	5
291	ITERATIVE TIME-REVERSAL MIRROR METHOD FOR IMAGING THE BURIED OBJECT BENEATH ROUGH GROUND SURFACE. <i>Progress in Electromagnetics Research</i> , 2011 , 117, 19-33	3.8	5
290	Double-Sided Exponentially Tapered GPR Antenna and Its Transmission Line Feed Structure. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 2615-2623	4.9	5
289	The 2.5D FDTD and Fourier PSTD methods and applications. <i>Microwave and Optical Technology Letters</i> , 2003 , 36, 430-436	1.2	5
288	The conjugate-gradient nonuniform fast Fourier transform (CGNUFFT) method for one- and two-dimensional media. <i>Microwave and Optical Technology Letters</i> , 2000 , 24, 385-389	1.2	5
287	A Phaseless Inverse Source Method (PISM) Based on Near-Field Scanning for Radiation Diagnosis and Prediction of PCBs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4151-4160	4.1	5
286	An Analytic Algorithm for Electromagnetic Field in Planar-Stratified Biaxial Anisotropic Formation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 1644-1653	8.1	5
285	Adaptive Discontinuous Galerkin Modeling of Intrinsic Attenuation Anisotropy for Fluid-Saturated Porous Media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 3113-3122	8.1	5
284	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 986-996	4.9	5
283	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1498-1502	4.1	5

282	A Reconfigurable Second-Order OAM Patch Antenna With Simple Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1531-1535	3.8	5
281	Spectral element modeling of elastic wave propagation in an anisotropic background with discrete anisotropic fractures. <i>Geophysical Journal International</i> ,	2.6	5
280	Tri-Band CPW-Fed Stub-Loaded Slot Antenna Design for WLAN/WiMAX Applications. <i>Frequenz</i> , 2016 , 70,	0.6	5
279	A 3-D High-Order Reverse-Time Migration Method for High-Resolution Subsurface Imaging With a Multistation Ultra-Wideband Radar System. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 744-751	4.7	5
278	2-D Electromagnetic Scattering and Inverse Scattering From Magnetodielectric Objects Based on Integral Equation Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1346-1351	4.9	5
277	Hybrid Reconstruction of Subsurface 3-D Objects Using FRTM and VBIM Enhanced by Monte Carlo Method. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 18, 213-217	4.1	5
276	Mixed Spectral-Element Methods for 3-D Maxwell's Eigenvalue Problems With Bloch Periodic and Open Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 1547-1558	4.1	5
275	High-performance polarization beam splitter based on anisotropic plasmonic nanostructures. <i>Applied Physics B: Lasers and Optics</i> , 2018 , 124, 1	1.9	5
274	Dual functionality metamaterial enables ultra-compact, highly sensitive uncooled infrared sensor. <i>Nanophotonics</i> , 2021 , 10, 1337-1346	6.3	5
273	An Extended Generalized Matrix Pencil Method to Synthesize Multiple-Pattern Frequency-Invariant Linear Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2311-2315	3.8	4
272	Dual-polarized metamaterial cavity-backed antennas for mutual coupling reduction. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 957-968	1.3	4
271	Design of a Liquid-Crystal-Tunable Terahertz Demultiplexer Based on a Metal-Insulator-Metal Waveguide. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 644	2.6	4
270	Microstrip dual-mode bandpass filter design using pie-section truncated semi-circle and quarter-circle resonators. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 224-229	1.6	4
269	Microscopic Modeling of Metasurfaces by the Mixed Finite Element Numerical Mode-Matching Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 469-478	4.1	4
268	Hybrid FEM-DDM and BEM-BoR for the Analysis of Multiscale Composite Structures. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4753-4763	4.9	4
267	Antenna Beampattern With Range Null Control Using Weighted Frequency Diverse Array. <i>IEEE Access</i> , 2020 , 8, 50107-50117	3.5	4
266	Fast Exponentially Convergent Solution of Electromagnetic Scattering From Multilayer Concentric Magnetodielectric Cylinders by the Spectral Integral Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 2183-2193	4.1	4
265	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3184-3193	4.9	4

264	Least-Square-Based Nonuniform Borehole SAR Imaging for Subsurface Sensing. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 1545-1555	4.7	4
263	A web-based land surface remote sensing products validation system (LAPVAS): application to albedo product. <i>International Journal of Digital Earth</i> , 2018 , 11, 308-328	3.9	4
262	Investigation of Optical Spectrum Properties of Hexagonal Boron Nitride from Metal to Dielectric Transition. <i>Plasmonics</i> , 2018 , 13, 563-566	2.4	4
261	Nearly Hypersingular Integrals by Double-Arctan Transformation in Higher Order Geometry Modeling. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4493-4498	4.9	4
260	A Corner-Free Truncation Strategy in Three-Dimensional FDTD Computation. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2016 , 58, 512-522	2	4
259	Enhancing artificial sum frequency generation from graphene-gold metamolecules. <i>Optics Letters</i> , 2018 , 43, 3160-3163	3	4
258	Thin Dielectric Sheet-Based Surface Integral Equation for the Scattering Simulation of Fractures in a Layered Medium. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 7606-7612	8.1	4
257	Enhanced directivity and bandwidth of a stepped open-slot antenna with L-shaped slots and parasitic strip. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 465-473	1.6	4
256	A fast solver for vertical electromagnetic profiles of surface to borehole electromagnetic method (SBEM) 2014 ,		4
255	Broadband terahertz reflector based on dielectric metamaterials. <i>Europhysics Letters</i> , 2017 , 119, 47004	1.6	4
254	A Diagonal Subspace-Based Optimization Method for Reconstruction of 2-D Isotropic and Uniaxial Anisotropic Dielectric Objects. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 1318-1322	4.1	4
253	Spectral-Element Method With Divergence-Free Constraint for 2.5-D Marine CSEM Hydrocarbon Exploration. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 1973-1977	4.1	4
252	MICROWAVE-INDUCED THERMO-ACOUSTIC TOMOGRAPHY SYSTEM USING TRM-PSTD TECHNIQUE. <i>Progress in Electromagnetics Research B</i> , 2013 , 48, 43-59	0.7	4
251	TR ADJOINT IMAGING METHOD FOR MITAT. <i>Progress in Electromagnetics Research B</i> , 2013 , 46, 41-57	0.7	4
250	A PLANAR MONOPOLE UWB ANTENNA WITH IMPROVED LOWER END BANDWIDTH USING AN L-SHAPED STUB EXTENDED ON THE GROUND PLANE. <i>Progress in Electromagnetics Research C</i> , 2014 , 52, 109-114	0.9	4
249	A NEW COMPACT MICROSTRIP-FED MONOPOLE ANTENNA FOR TRIPLE BAND WLAN/WIMAX APPLICATIONS. <i>Progress in Electromagnetics Research Letters</i> , 2014 , 48, 129-135	0.5	4
248	Inverse Source Solver for a High Resolution Near Field Scanner in Microelectronic Applications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2014 , 4, 1495-1502	1.7	4
247	Spectral-Prism Element for Multi-Scale Layered Package-Chip Co-Simulations Using the Discontinuous Galerkin Time-Domain Method. <i>Electromagnetics</i> , 2014 , 34, 270-285	0.8	4

246	Optimisation method on conformal array element positions for low sidelobe pattern synthesis. <i>IET Microwaves, Antennas and Propagation</i> , 2012 , 6, 646	1.6	4
245	Novel circular dual-mode filter with both capacitive and inductive source-load coupling for multiple transmission zeros. <i>Journal of Electromagnetic Waves and Applications</i> , 2012 , 26, 1675-1684	1.3	4
244	Nano-scale memristor SPICE implementation using ideal operational amplifier model 2013 ,		4
243	SPICE model of memristor and its application 2013 ,		4
242	A novel radiation boundary condition for finite-element method. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 1995-2002	1.2	4
241	Recursive algorithm and accurate computation of dyadic Green's functions for stratified uniaxial anisotropic media. <i>Science in China Series F: Information Sciences</i> , 2008 , 51, 63-80		4
240	Analysis, design, and construction of a broadband balun for coaxial-to-planar transmission lines. <i>Microwave and Optical Technology Letters</i> , 2005 , 44, 501-504	1.2	4
239	Spectral Lanczos decomposition method for solving single-phase fluid flow porous media. <i>Numerical Methods for Partial Differential Equations</i> , 1994 , 10, 569-580	2.5	4
238	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 958-966	4.9	4
237	Wideband Low-Frequency Design of Inductors and Wireless Power Transfer Coils Using the Mixed Finite-Element Time-Domain Method. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 709-712	2.6	4
236	Nonlinear Electromagnetic Inversion of Damaged Experimental Data by a Receiver Approximation Machine Learning Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1185-1189	3.8	4
235	Interactions between C60 and vesicles: a coarse-grained molecular dynamics simulation. <i>RSC Advances</i> , 2016 , 6, 90388-90396	3.7	4
234	Mixed Total Field/Scattered Field-Based Discontinuous Galerkin Frequency-Domain Method for Subsurface Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 3354-3360	8.1	4
233	Quantitative Electromagnetic Inversion of Irregular Scatterers Based on a Three-Fold Hybrid Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4
232	Acoustic impact of the human skull on transcranial photoacoustic imaging. <i>Biomedical Optics Express</i> , 2021 , 12, 1512-1528	3.5	4
231	Fast Point-Based KD-Tree Construction Method for Hybrid High Frequency Method in Electromagnetic Scattering. <i>IEEE Access</i> , 2018 , 6, 38348-38355	3.5	4
230	Wideband GNSS antenna covered by a double-sided metasurface. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 96, 170-177	2.8	4
229	A Hybrid SESI Method for Electromagnetic Scattering by Objects in Multiregion Cylindrically Layered Media. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 3967-3975	4.1	4

228	A printed quasi-Yagi antenna with dual-stub-loaded parasitic strip director for bandwidth enhancement. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 447-451	1.2	3
227	Three-Dimensional Scattering and Inverse Scattering From a Disturbed Region in Planarly Layered Cold Unmagnetized Plasma Media. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 559-563	4.1	3
226	A Spectral Integral Method for Smooth Multilayered Bodies of Revolution. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4146-4154	4.9	3
225	A Novel Transformation Optics-Based FDTD Algorithm for Fast Electromagnetic Analysis of Small Structures in a Large Scope. <i>IEEE Access</i> , 2019 , 7, 124750-124758	3.5	3
224	Influence of the pH value on the degradation of an azo dye of methyl orange by air discharge plasma. <i>Plasma Processes and Polymers</i> , 2019 , 16, 1800152	3.4	3
223	Green's function for anisotropic dispersive poroelastic media based on the Radon transform and eigenvector diagonalization. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019 , 475, 20180610	2.4	3
222	A corner-free truncation strategy for FDTD method in target scattering. <i>Journal of Computational Physics</i> , 2015 , 302, 567-572	4.1	3
221	Approach on Joint Inversion of Electromagnetic and Acoustic Data Based on Structural Constraints. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 7672-7681	8.1	3
220	Hybrid Electromagnetic Inversion of 3-D Irregular Scatterers Embedded in Layered Media by VBIM and MET. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 8238-8243	4.9	3
219	Mapping the foam-induced dielectric anisotropy for high-speed cables 2017 ,		3
218	A 3-D enlarged cell technique (ECT) for elastic wave modelling of a curved free surface. <i>Geophysical Journal International</i> , 2016 , 206, 1921-1932	2.6	3
217	A miniaturized circularly polarized microstrip antenna with bandwidth enhancement 2016 ,		3
216	Compact pseudoanalytic formulations of coaxial coil antennas in a cylindrically multilayered medium for well-logging applications. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 217-223	1.6	3
215	Ethanol-controlled peroxidation in liquid-anode discharges. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 425205	3	3
214	Higher-order statistics correlation stacking for DC electrical data in the wavelet domain. <i>Journal of Applied Geophysics</i> , 2013 , 99, 51-59	1.7	3
213	A COMPACT PRINTED DIPOLE ANTENNA FOR WIDEBAND WIRELESS APPLICATIONS. <i>Progress in Electromagnetics Research C</i> , 2014 , 50, 95-102	0.9	3
212	Application of mixed order BCGS-FFT on contrast enhanced oil reservoir imaging 2014 ,		3
211	The Filter Diagonalization Method in Antenna Array Optimization for Pattern Synthesis. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 6123-6130	4.9	3

210	Printed double-dipole antenna with high directivity using a new feeding structure. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 1186-1191	1.6	3
209	The PSTD Method with the 4th-Order Time Integration for 3D TAT Reconstruction of a Breast Model. <i>Journal of Computational Acoustics</i> , 2014 , 22, 1450011		3
208	Robust adaptive beamforming with low sidelobe levels 2013 ,		3
207	AN ACCURATE CONFORMAL FOURIER TRANSFORM METHOD FOR 2D DISCONTINUOUS FUNCTIONS. <i>Progress in Electromagnetics Research</i> , 2011 , 120, 165-179	3.8	3
206	Leafy EBG structures for ultra-wideband SSN suppression in power/ground plane pairs. <i>Electronics Letters</i> , 2010 , 46, 768	1.1	3
205	A tapered microstrip patch antenna array for use in breast cancer screening via 3D active microwave imaging. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		3
204	FDTD (2, 4)-compatible conformal technique for treatment of dielectric surfaces. <i>Electronics Letters</i> , 2009 , 45, 146	1.1	3
203	Application of time reversal mirror technique in microwave-induced thermo-acoustic tomography system. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 2087-2095		3
202	A PMLBDTD algorithm for simulating plasma-covered cavity-backed slot antennas. <i>Microwave and Optical Technology Letters</i> , 1998 , 19, 258-262	1.2	3
201	Inversion of source-time functions using borehole array sonic waveforms. <i>Journal of the Acoustical Society of America</i> , 1998 , 103, 3163-3168	2.2	3
200	3-D self-consistent Schrödinger-Poisson solver: the spectral element method. <i>Journal of Computational Electronics</i> , 2008 , 7, 337-341	1.8	3
199	Orbital angular momentum spectrum of antenna vortex beam based on loop integration. <i>AIP Advances</i> , 2021 , 11, 115204	1.5	3
198	Radial Basis Function Neural Network With Hidden Node Interconnection Scheme for Thinned Array Modeling. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 2418-2422	3.8	3
197	Improved Beam-Scannable Ultra-Wideband Sparse Antenna Arrays by Iterative Convex Optimization Based on Raised Power Series Representation. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5696-5701	4.9	3
196	Fast Multiparametric Electromagnetic Full-Wave Inversion via Solving Contracting Scattering Data Equations Optimized by the 3-D MRF Model. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4515-4527	4.1	3
195	MINIATURIZED SINGLE-FEED CROSS-APERTURE COUPLED CIRCULARLY POLARIZED MICROSTRIP PATCH ANTENNA. <i>Progress in Electromagnetics Research C</i> , 2016 , 63, 183-191	0.9	3
194	Cloud removal for optical images using SAR structure data 2016 ,		3
193	A Fast Numerical Method for the Galvanic Measurement in Hydraulic Fracture Detection. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 947-957	4.9	3

192	1-D Inversion of GREATEM Data by Supervised Descent Learning. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	3
191	Selective Electroporation of Organelles Under an Intense Picosecond Pulsed Electric Field. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2018 , 3, 235-245	1.5	3
190	A hybrid method to simulate elastic wave scattering of three-dimensional objects. <i>Journal of the Acoustical Society of America</i> , 2018 , 144, EL268	2.2	3
189	Generalized Dechirp-Keystone Transform for Radar High-Speed Maneuvering Target Detection and Localization. <i>Remote Sensing</i> , 2021 , 13, 3367	5	3
188	Super-Resolution 3-D Microwave Imaging of Objects With High Contrasts by a Semijoin Extreme Learning Machine. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	3
187	A Wideband Tangential Electric Field Probe and a New Calibration Kit for Near-Field Measurements. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	3
186	Multiple Frequency Contrast Source Inversion Method for Vertical Electromagnetic Profiling: 2D Simulation Results and Analyses. <i>Pure and Applied Geophysics</i> , 2016 , 173, 607-621	2.2	2
185	A Necessary and Sufficient Condition for Having Independent TE and TM Modes in an Anisotropic Waveguide. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 3660-3670	4.1	2
184	PCFCRD for multicomponent LFM signals analysis. <i>Electronics Letters</i> , 2017 , 53, 31-32	1.1	2
183	A Krylov-Subspace-Based Exponential Time Integration Scheme for Discontinuous Galerkin Time-Domain Methods. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	2
182	A New Strategy for Transformation Optics With Index-Only Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4626-4635	4.9	2
181	Integer Linear Programming Roundoff Method for Arbitrary Planar Phased-Array Scanning. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3040-3047	4.9	2
180	Application of BCGS-FFT and distorted born approximation for hydraulic fracturing detection and imaging 2015 ,		2
179	Extraordinary enhancement of second harmonic generation in a periodically patterned distributed Bragg reflector. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015 , 32, 1193	1.7	2
178	The Scaling Transformation Optics With Isotropic Medium. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4688-4696	4.9	2
177	Retrieval of Composite Model Parameters for 3-D Microwave Imaging of Biaxial Objects by BCGS-FFT and PSO. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1896-1907	4.1	2
176	The Auxiliary Differential Equations Perfectly Matched Layers Based on the Hybrid SETD and PSTD Algorithms for Acoustic Waves. <i>Journal of Theoretical and Computational Acoustics</i> , 2018 , 26, 1750031	0.8	2
175	Are There the Pure TE and TM Modes in the Closed Waveguide Filled With a Homogeneous, Anisotropic and Lossless Medium?. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2439-2448	4.9	2

174	Reverse Time Migration of Elastic Waves Using the Pseudospectral Time-Domain Method. <i>Journal of Theoretical and Computational Acoustics</i> , 2018 , 26, 1750033	0.8	2
173	A frequency-domain seismic blind deconvolution based on Gini correlations. <i>Journal of Geophysics and Engineering</i> , 2018 , 15, 286-294	1.3	2
172	Three-dimensional MR reconstruction of high-contrast magnetic susceptibility by the variational born iterative method based on the magnetic field volume integral equation. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 923-932	4.4	2
171	Cavity-backed wideband magneto-electric antenna for through-the-wall imaging radar applications 2016 ,		2
170	Hybrid DGTD method with FDTD/SETD/FETD 2016 ,		2
169	Electromagnetic scattering by inhomogeneous dielectric and magnetic scatterers using VIE with a normalization basis function (NBF) technique 2016 ,		2
168	Design of LPF using suspended substrate microstrip lines as high-Z sections for stopband extension. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 1204-1207	1.2	2
167	Solving Electromagnetic Fields by General Reflection Transmission Method for Coaxial-Coil Antenna in Cylindrically Multilayered Medium. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 912-916	4.1	2
166	Transformation Optics-Based Finite Difference Time Domain Algorithm for Scattering From Object With Thin Dielectric Coating. <i>IEEE Access</i> , 2019 , 7, 150060-150071	3.5	2
165	Design of Anti-Phase Feeding Network for W8JK Array Based on In-Phase Power Divider. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 2870-2873	4.9	2
164	Unconditionally Stable ADI/Crank-Nicolson Implementation and Lossy Split Error Revisited. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5627-5636	4.9	2
163	OPTIMIZATION OF GRADED MATERIALS FOR BROADBAND RADOME WALL WITH DRR CONTROL USING A HYBRID METHOD. <i>Progress in Electromagnetics Research M</i> , 2015 , 43, 193-201	0.6	2
162	2015 ,		2
161	RECONSTRUCTION OF MICROWAVE ABSORPTION OF MULTIPLE TUMORS IN HETEROGENEOUS TISSUE FOR MICROWAVE-INDUCED THERMO-ACOUSTIC TOMOGRAPHY. <i>Progress in Electromagnetics Research M</i> , 2013 , 32, 57-72	0.6	2
160	Antenna selection in the synthesis of multiple-pattern linear arrays by iterative linear programming 2014 ,		2
159	A novel hole drilling method for plate Luneberg lens antenna 2014 ,		2
158	Resolving ambiguities in DOA estimation by optimizing the element orientations 2013 ,		2
157	ULTRA WIDE BAND RESPONSE OF AN ELECTROMAGNETIC WAVE SHIELD BASED ON A DIODE GRID. <i>Progress in Electromagnetics Research</i> , 2013 , 141, 591-605	3.8	2

156	THE DIAGONAL TENSOR APPROXIMATION (DTA) FOR OBJECTS IN A NON-CANONICAL INHOMOGENEOUS BACKGROUND. <i>Progress in Electromagnetics Research</i> , 2011 , 112, 1-21	3.8	2
155	Symplectic discretization for spectral element solution of Maxwell's equations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 325203	2	2
154	An efficient MR image reconstruction method for arbitrary K-space trajectories without density compensation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 3767-70		2
153	Comment on "Enlarged cells for the conformal FDTD method to avoid the time step reduction". <i>IEEE Microwave and Wireless Components Letters</i> , 2006 , 16, 55	2.6	2
152	Nonuniform Fast Cosine Transform and Chebyshev Pstd Algorithms - Abstract. <i>Journal of Electromagnetic Waves and Applications</i> , 2000 , 14, 797-798	1.3	2
151	A PSTD algorithm for general dispersive media and its applications to GPR simulations 1998 ,		2
150	. <i>IEEE Transactions on Antennas and Propagation</i> , 1990 , 38, 653-663	4.9	2
149	Enhancing third-harmonic generation by mirror-induced electric quadrupole resonance in a metal-dielectric nanostructure. <i>Optics Letters</i> , 2020 , 45, 5864-5867	3	2
148	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	2
147	Surface Integral Equations for Low-Frequency Simulation in Well Logging Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 3957-3965	4.9	2
146	Efficient Third Harmonic Generation by Doubly Enhanced Electric Dipole Resonance in Metal-Based Silicon Nanodisks. <i>Journal of Lightwave Technology</i> , 2020 , 38, 6312-6320	4	2
145	A Hybrid CN-FDTD-SPICE Solver for Field-Circuit Analyses in Low-Frequency Wideband Problems. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020 , 10, 1721-1728	1.7	2
144	Multiparametric Electromagnetic Inversion of 3-D Anisotropic Objects Embedded in Layered Media Based on Mixed L_1/L_2 Norm Regularization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 738-742	3.8	2
143	Asymmetric excitations of toroidal dipole resonance and magnetic dipole quasi-bound state in the continuum in an all-dielectric metasurface. <i>Optical Materials Express</i> ,	2.6	2
142	A Dual-Layer Filtering SIW Slot Antenna Utilizing Double Slot Coupling Scheme. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1073-1077	3.8	2
141	ANALYSIS OF SHORT PULSE IMPACTING ON MICROWAVE INDUCED THERMO-ACOUSTIC TOMOGRAPHY. <i>Progress in Electromagnetics Research C</i> , 2016 , 61, 37-46	0.9	2
140	Frequency reconfigurable circular patch antenna using PIN diodes 2016 ,		2
139	Fast Frequency-Domain Forward and Inverse Methods for Acoustic Scattering from Inhomogeneous Objects in Layered Media. <i>Journal of Computational Acoustics</i> , 2016 , 24, 1650008		2

138	Validation of the Utility of the Contrast-Agent-Assisted Electromagnetic Tomography Method for Precise Imaging of a Hydraulically Induced Fracture Network 2019 ,		2
137	MIMO Borehole Radar Imaging Based on High Degree of Freedom for Efficient Subsurface Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 3380-3391	8.1	2
136	A Hierarchical Bayesian Inversion Method for Electromagnetic Imaging of Inhomogeneous Objects With Piecewise Homogeneities. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2903-2912	4.9	2
135	Fast Simulation of Electromagnetic Fields in Doubly Periodic Structures With a Deep Fully Convolutional Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2921-2928	4.9	2
134	Volume Equivalent SBR Method for Electromagnetic Scattering of Dielectric and Composite Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2842-2852	4.9	2
133	High Selectivity Single Wideband and Quad-Band HTS Filters Using Novel Quad-Mode Resonators With Self-Coupled Structure. <i>IEEE Access</i> , 2021 , 9, 103194-103203	3.5	2
132	An Analytic Algorithm for Dipole Electromagnetic Field in Fully Anisotropic Planar-Stratified Media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-12	8.1	2
131	Meta-surface loading broadband and high-aperture efficiency dual circularly polarized patch antenna. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22525	1.5	2
130	Realization of a Wideband Series-Fed 4 × 4-Element Waveguide Slot Array in the X-Band. <i>IEEE Access</i> , 2021 , 9, 83666-83675	3.5	2
129	The penetration of a charged peptide across a membrane under an external electric field: a coarse-grained molecular dynamics simulation.. <i>RSC Advances</i> , 2018 , 8, 41517-41525	3.7	2
128	Modified Transformation Optics Based FDTD for Local Mesh Refinement 2018 ,		2
127	Simulation of borehole acoustic wavefields in fractured media by combining the spectral-element method and linear-slip model. <i>Geophysics</i> , 2021 , 86, D177-D192	3.1	2
126	Electromagnetic scattering from inhomogeneous objects embedded in spherically multilayered media solved by the method of moments. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 526-530	1.2	1
125	Simple Memristive SPICE Macro-Models and Reconfigurability in Filter and Antenna. <i>Radioengineering</i> , 2016 , 25, 700-706	0.8	1
124	Preprocessing for characteristic mode tracking based on the correlation. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2759	1	1
123	Ultrathin plasmonic frequency selective surface with subwavelength hole arrays. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2171-2176	1.2	1
122	Investigation of the regularization parameter of subspace-based optimization method for reconstruction of uniaxial anisotropic objects 2016 ,		1
121	Combining triangle Gaussian integration and modified NUFFT for evaluating two-dimensional Fourier transform integrals. <i>AEU - International Journal of Electronics and Communications</i> , 2014 , 68, 254-259	2.8	1

120	Sum and difference pattern synthesis with antenna correction 2014,		1
119	A spectral element numerical mode-matching method for casing corrosion analysis 2017,		1
118	Compact Dual-Polarized Printed Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 1-1	3.8	1
117	A diagonalized improved subspace-based optimization method for solving 2-D inverse scattering problems. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 2089-2095	1.2	1
116	Wideband frequency analysis using volume surface integral equation and Taylor series expansion 2017,		1
115	New advances in FDTD methods for electromagnetic and elastic waves for probing complex media 2015,		1
114	Dynamic co-polarization decoupling method using tunable resonators 2015,		1
113	A new DG-FETD implicit time stepping scheme based on E and B fields for sequentially ordered systems 2014,		1
112	Design of a metasurface Luneburg lens antenna with flared structure 2014,		1
111	Mixed order integral equation formulation for the scattering from large inhomogeneous anisotropic magnetodielectric objects 2014,		1
110	MIMO radar moving target detection in compound-Gaussian clutter 2014,		1
109	Three-dimensional imaging of targets behind multilayered walls 2012,		1
108	Compressed sensing in microwave induced thermo-acoustic tomography 2012,		1
107	A FAST INVERSE POLYNOMIAL RECONSTRUCTION METHOD BASED ON CONFORMAL FOURIER TRANSFORMATION. <i>Progress in Electromagnetics Research</i> , 2012 , 122, 119-136	3.8	1
106	PROCESSING ONE-STATIONARY BISTATIC SAR DATA USING INVERSE SCALED FOURIER TRANSFORM. <i>Progress in Electromagnetics Research</i> , 2012 , 129, 143-159	3.8	1
105	Analysis of photonic crystals using the hybrid finite-element/finite-difference time domain technique based on the discontinuous Galerkin method. <i>International Journal for Numerical Methods in Engineering</i> , 2012 , 92, 495-506	2.4	1
104	Locally Implicit Discontinuous Galerkin Finite Element Method for Transient Analysis of 3D Layered Structures with Electrically Small Details. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 1912-1916 ^{1.2}		1
103	Higher-order mixed spectral element method for Maxwell eigenvalue problem 2013,		1

102	Polarization optimization in clutter background via target scattering estimation 2013 ,		1
101	Electromagnetic inverse scattering series (ISS) method for sensing 2-D objects buried in layered media with unknown dielectric properties 2013 ,		1
100	Design of optical devices using frequency domain solvers 2010 ,		1
99	Application of PML to electromagnetics, acoustics, elasticity, and quantum mechanics 2009 ,		1
98	Efficient approaches to improve the shielding effectiveness of metallic enclosure with apertures. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		1
97	Development of microwave-induced thermo-acoustic tomography prototype system. <i>Science Bulletin</i> , 2009 , 54, 4446-4450	10.6	1
96	An Analytical Convolution Method Combined With the Conformal Fourier Transform for Solving 1-D Integral Equations. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1267-1269	3.8	1
95	A spectral integral method for the analysis of nano wires 2011 ,		1
94	The Computational Study of Microwave-Induced Thermo-Acoustic Tomography for Biologic Tissue Imaging Based on Pseudo-Spectrum Time Domain and Time Reversal Mirror Technique. <i>Applied Mechanics and Materials</i> , 2012 , 195-196, 353-359	0.3	1
93	A Macromodel of Memristor Using Symbolically Defined Devices. <i>Applied Mechanics and Materials</i> , 2012 , 195-196, 245-248	0.3	1
92	Reader's Comment: 'RESPONSE TO COMMENT ON "MULTIDOMAIN PSEUDOSPECTRAL TIME-DOMAIN (PSTD) METHOD FOR ACOUSTIC WAVES IN LOSSY MEDIA"'. <i>Journal of Computational Acoustics</i> , 2008 , 16, 469-470		1
91	2D EIT for biomedical imaging: Design, measurement, simulation, and image reconstruction. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 2989-2998	1.2	1
90	A 3D EIT system for breast cancer imaging		1
89	Time-domain target detection using a double-sided broadband antenna 2004 ,		1
88	Elastic waves in deviated boreholes in formations with triaxial stresses		1
87	Electro-thermal resistance of GaAs interconnects. <i>Journal of Electronic Materials</i> , 2005 , 34, 294-298	1.9	1
86	Microwave imaging for breast tumor: 2D forward and inverse methods		1
85	Applications of microwave imaging to three-dimensional biological tissues		1

84	Applications of the 2.5-D multidomain pseudospectral time-domain algorithm		1
83	The stabilized biconjugate gradient fast Fourier transform method for electromagnetic scattering		1
82	Reconstruction of three-dimensional objects in layered composite structures from multimode orbital angular momentum.. <i>Physical Review E</i> , 2022 , 105, 025302	2.4	1
81	Radiation Diagnosis of PCBs and ICs Using Array Probes and Phaseless Inverse Source Method With a Joint Regularization. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	1
80	Mixed Nitsche's Method for Maxwell's Eigenvalue Problems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	1
79	A Four-Corner-Fed Slotted Waveguide Sparse Array for Near-Field Focusing. <i>IEEE Access</i> , 2020 , 8, 203048-203057	3.5	1
78	Visualization of gold nanoparticles formation in DC plasma-liquid systems. <i>Plasma Science and Technology</i> , 2021 , 23, 075504	1.5	1
77	Transmit and receive sensors joint selection for MIMO radar tracking based on PCRLB 2016 ,		1
76	Reverse-time migration and full waveform inversion applied to a stationary MIMO GPR system 2016 ,		1
75	The efficient finite element method with impedance transmission boundary condition for computing optical waveguide modes 2016 ,		1
74	Optimized invisibility cloaks from the Logarithm conformal mapping. <i>Scientific Reports</i> , 2016 , 6, 38443	4.9	1
73	A new property of the effective permittivity in polymeric medium with random distribution of spherical nanoparticles. <i>Europhysics Letters</i> , 2016 , 116, 17002	1.6	1
72	Capacitor-loaded circularly polarized annular-ring slotted microstrip patch antenna 2016 ,		1
71	An efficient exact numerical solution for scattering by a circular cylinder. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2016 , 11, S3	1	1
70	2019 ,		1
69	Mid- and Low-Latitude Ionospheric D Region Remote Sensing by Radio Atmospheric Part I: Forward Modeling and Field Measurement Validations. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1044-1054	4.9	1
68	Subsurface Reconstruction From GPR Data by 1-D DBIM and RTM in Frequency Domain. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 582-586	4.1	1
67	An Adaptive DGTD Algorithm Based on Hierarchical Vector Basis Functions. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1

66	All-dielectric orthogonal doublet cylindrical metalens in long-wave infrared regions. <i>Optics Express</i> , 2021 , 29, 3524-3532	3.3	1
65	Embedded Design of Compact Broadband Omnidirectional Antenna With Quad-Polarization Diversity. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 18-22	3.8	1
64	A Combination of Mixed FETD Method and SPICE to Simulate Nonlinear Multiport Circuits. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 31, 97-100	2.6	1
63	Well-Conditioned FEM-BEM-DDM for Electromagnetic Scattering by Composite Objects 2018 ,		1
62	Modeling Graphene-Based Plasmonic Waveguides by Mixed FEM With Surface Current Boundary Condition. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 735-738	2.2	1
61	Adaptive complex frequency with V-cycle GMRES for preconditioning 3D Helmholtz equation. <i>Geophysics</i> , 2021 , 86, T349-T359	3.1	1
60	Tailoring Third Harmonic Generation From Anapole Mode in a Metal-Dielectric Hybrid Nanoantenna. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-6	1.8	1
59	Adaptive 27-point finite-difference frequency-domain method for wave simulation of 3D acoustic wave equation. <i>Geophysics</i> , 2021 , 86, T439-T449	3.1	1
58	3-D Numerical Mode Matching Method for Off-Centered Electromagnetic Well Logging Tools in Noncircular Vertical Borehole and Invasion Zones in Multilayered Media. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	1
57	Measurement matrix uncertainty model-based microwave induced thermoacoustic sparse reconstruction in acoustically heterogeneous media. <i>Applied Physics Letters</i> , 2021 , 119, 263701	3.4	1
56	Magnetic Resonance-Electrical Properties Tomography by Directly Solving Maxwell's Curl Equations. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3318	2.6	0
55	Compact CRLH sensor for target localization. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1883-1886		0
54	Dyadic Green's functions for curved waveguides and cavities and their reformulation. <i>Radio Science</i> , 2002 , 37, 11-1-11-10	1.4	0
53	A Hybrid Neural Network Electromagnetic Inversion Scheme (HNNEMIS) for Super-Resolution 3-Dimensional Microwave Human Brain Imaging. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	0
52	Frequency domain spectral element method for modelling poroelastic waves in 3-D anisotropic, heterogeneous and attenuative porous media. <i>Geophysical Journal International</i> , 2021 , 227, 1339-1353	2.6	0
51	SIE-DDM With Higher Order Hierarchical Vector Basis Functions for Solving Electromagnetic Problems on Multiscale Metallic Targets. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	0
50	High-Order Conformal Perfectly Matched Layer for the DGTD Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	0
49	Fusion Before Imaging Method for Heterogeneous Borehole Radar Subsurface Surveys. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	0

48	An efficient thin layer equivalent technique of SETD method for thermo-mechanical multi-physics analysis of electronic devices. <i>International Journal of Heat and Mass Transfer</i> , 2022 , 192, 122816	4.9	o
47	A New Rapid Detection of the Temperature Coefficient System. <i>Applied Mechanics and Materials</i> , 2015 , 742, 212-215	0.3	
46	An Accurate Conformal Fourier Transform Method for 3D Discontinuous Functions. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 804-809	4.9	
45	A Method to Design Arbitrary-Way Multimodal OAM Generator. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 987-991	3.8	
44	Analyzing tunable terahertz grating based on hybrid graphene-metal structure by using the HIE-FDTD method. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2018 , 31, e2325	1	
43	Commercial Antenna Design Tools 2016 , 67-109		
42	Introduction to the IEEE Journal on Multiscale and Multiphysics Computational Techniques (JMMCT). <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2016 , 1, 1-1	1.5	
41	Announcing a new journal jointly created by the IEEE AP, MTT, and EMC societies: IEEE Journal on Multiscale and Multiphysics Computational Techniques (JMMCT). <i>IEEE Electromagnetic Compatibility Magazine</i> , 2016 , 5, 29-29	0.4	
40	Modeling and Design of a Plasmonic Sensor for High Sensing Performance and Clear Registration. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-11	1.8	
39	. <i>IEEE Transactions on Electron Devices</i> , 2014 , 61, 1477-1482	2.9	
38	Reverse Time Migration of Elastic Waves Using the Pseudospectral Time-Domain Method. <i>Journal of Computational Acoustics</i> , 2017 , 1750033		
37	MICROSTRIP TRI-MODE BANDPASS FILTERS USING MODIFIED RING RESONATORS. <i>Progress in Electromagnetics Research C</i> , 2015 , 58, 135-142	0.9	
36	Announcing a new journal jointly created by the IEEE AP, MTT, and EMC societies: IEEE journal on multiscale and multiphysics computational techniques (JMMCT). <i>IEEE Electromagnetic Compatibility Magazine</i> , 2015 , 4, 8-8	0.4	
35	AZIMUTH STACKING ALGORITHM FOR SYNTHETIC APERTURE RADAR IMAGING. <i>Progress in Electromagnetics Research</i> , 2014 , 144, 103-114	3.8	
34	A Coaxial Measurement System for Electromagnetic Parameters at Microwave Frequencies. <i>Advanced Materials Research</i> , 2014 , 881-883, 1832-1835	0.5	
33	An Electromagnetic Parameters Measuring System Based on a Concave Cylindrical Cavity. <i>Advanced Materials Research</i> , 2014 , 881-883, 1754-1757	0.5	
32	AN IMAGE CORRECTION METHOD BASED ON ELECTROMAGNETIC SIMULATION FOR MICROWAVE INDUCED THERMO-ACOUSTIC TOMOGRAPHY SYSTEM. <i>Progress in Electromagnetics Research B</i> , 2012 , 43, 19-33	0.7	
31	Inverse Scattering and Microwave Tomography in Safety, Security, and Health. <i>International Journal of Antennas and Propagation</i> , 2013 , 2013, 1-2	1.2	

30	Two-dimensional Green's function tensor and projected local density of states for TM and TE modes in dispersive and anisotropic photonic crystals. <i>Waves in Random and Complex Media</i> , 2009 , 19, 28-38	1.9
29	A prototype system of microwave induced thermo-acoustic tomography for breast tumor. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 464-7	0.9
28	Electrical and Thermal Cosimulation of GaAs Interconnects. <i>IEEE Transactions on Advanced Packaging</i> , 2007 , 30, 758-762	
27	Acoustic landmine detection: a 3D poroelastic model 2001 , 4394, 583	
26	Simulation of borehole induction using the hybrid extended Born approximation and CG-FFHT method 2000 , 4129, 165	
25	Poroelastic model for acoustic land mine detection 2000 , 4038, 748	
24	Nonuniform fast Hankel transform (NUFHT) algorithm: errata 2000 , 39, 1842	
23	Planar Array Diagnosis Based on Bayesian Learning with a Bernoulli-Gaussian Prior Model. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9
22	Characteristic Mode Analysis Based on Rayleigh Quotient Iteration. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1
21	Spectral Element Method for the Elastic/Acoustic Waveguide Problem in Anisotropic Metamaterials. <i>IEEE Access</i> , 2021 , 9, 153824-153837	3.5
20	Compact balanced tri-band superconducting band-pass filter using double square ring loaded resonators. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22530	1.5
19	Domain decomposition based on the spectral element method for frequency-domain computational elastodynamics. <i>Science China Earth Sciences</i> , 2021 , 64, 388-403	4.6
18	Commercial Antenna Design Tools 2015 , 1-38	
17	Spiral MRI Reconstruction Based on Table-Lookup Gridding. <i>Lecture Notes in Electrical Engineering</i> , 2012 , 339-345	0.2
16	Wideband Circularly Polarized Antenna Based on Ring Traveling Wave. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 3560-3565	4.9
15	Compact bandpass filters using multistub loaded spiral short-ended resonator. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2738-2741	1.2
14	Tunable Properties of Three-Dimensional Graphene-Loaded Plasmonic Absorber Using Plasmonic Nanoparticles. <i>Materials Science Forum</i> , 2016 , 860, 29-34	0.4
13	Super-Resolution Ultrasound Imaging Based on a Fast Full-Waveform Solver. <i>Journal of Theoretical and Computational Acoustics</i> , 2019 , 27, 1850056	0.8

- 12 Combination of FDTD With Analytical Methods for Simulating Elastic Scattering of 3-D Objects Outside a Fluid-Filled Borehole. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 5325-5334 8.1
- 11 Mixed Spectral Element Method for Electromagnetic Secondary Fields in Stratified Inhomogeneous Anisotropic Media. *IEEE Access*, **2021**, 9, 218-225 3.5
- 10 Explicit Semi-Analytical Expressions of Sensitivity Matrices for the Reconstruction of 1-D Planarly Layered TI Media Illuminated by 3-D Sources. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1 4.9
- 9 The transport of a charged peptide through carbon nanotubes under an external electric field: a molecular dynamics simulation.. *RSC Advances*, **2021**, 11, 23589-23596 3.7
- 8 Modeling Thin 3-D Material Surfaces Using a Spectral-Element Spectral-Integral Method With the Surface Current Boundary Condition. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1 4.9
- 7 Fast and Reliable Reconstruction of 3-D Arbitrary Anisotropic Objects Buried in Layered Media by Cascaded Inverse Solvers. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5 4.1
- 6 A Hybrid Loop-Tree FEBI Method for Low-Frequency Well Logging of 3-D Structures in Layered Media. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-9 8.1
- 5 Synthesis of frequency-invariant patterns by the fast multitask compressive sensing. *IEEJ Transactions on Electrical and Electronic Engineering*, **2018**, 13, 175-176 1
- 4 An autofocus method to reduce acoustic inhomogeneity in microwave-induced thermo-acoustic tomography based on basis pursuit. *Applied Physics Letters*, **2021**, 119, 023702 3.4
- 3 NMM Simulation of Electromagnetic Waves in Cylindrical Geometries with an Extremely Thin Vertical Layer. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 1-1 8.1
- 2 3-D NMM Method for Fully Anisotropic and Nonreciprocal Media. *IEEE Transactions on Microwave Theory and Techniques*, **2022**, 1-1 4.1
- 1 A Hybrid Born Iterative Bayesian Inversion Method for Electromagnetic Imaging of Moderate-Contrast Scatterers with Piecewise Homogeneities. *IEEE Transactions on Antennas and Propagation*, **2022**, 1-1 4.9