

Amir Boag

List of Publications by Year in Descending Order

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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.

167
papers

2,617
citations

28
h-index

44
g-index

262
ext. papers

3,215
ext. citations

3.2
avg. IF

5.04
L-index

#	Paper	IF	Citations
167	High efficiency coupling to metal-insulator-metal plasmonic waveguides.. <i>Optics Express</i> , 2022 , 30, 13757-13764	5.3	3764
166	Modeling Electromagnetic Wave Phenomena in Large Quantum Systems: Formulation and Computational Costs. <i>IEEE Antennas and Propagation Magazine</i> , 2021 , 63, 29-39	1.7	
165	Volumetric metamaterials versus impedance surfaces in scattering applications. <i>Scientific Reports</i> , 2021 , 11, 9571	4.9	5
164	Adaptive Multilevel Non-uniform Grid Algorithm for the Accelerated Analysis of Composite Metallic-Dielectric Radomes. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	
163	Quantum Radars and Lidars: Concepts, Realizations, and Perspectives.. <i>IEEE Antennas and Propagation Magazine</i> , 2021 , 2-12	1.7	3
162	Scattering of electromagnetic waves by two crossing metallic single-walled carbon nanotubes of finite length. <i>Physical Review B</i> , 2021 , 103,	3.3	4
161	A Low-Profile Circularly Polarized Conical-Beam Antenna with Wide Overlap Bandwidth. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-11	1.9	2
160	A low-profile ultra-wideband circularly polarized antenna array with metasurface. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22874	1.5	1
159	Backprojection Imaging of Moving Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4944-4954	4.9	1
158	No Significant Effects of Cellphone Electromagnetic Radiation on Mice Memory or Anxiety: Some Mixed Effects on Traumatic Brain Injured Mice. <i>Neurotrauma Reports</i> , 2021 , 2, 381-390	1.6	1
157	Scattering by thin shells in fluids: Fast solver and experimental validation. <i>JASA Express Letters</i> , 2021 , 1, 016002		0
156	Lorenz gauge formulation for time-dependent density functional theory. <i>Physical Review B</i> , 2020 , 101,	3.3	3
155	Direct Solution of Scattering Problems Using Generalized Source Integral Equations. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5512-5523	4.9	4
154	Meta-hologram-based authentication scheme employing a speckle pattern fingerprint. <i>Optics Express</i> , 2020 , 28, 8924-8936	3.3	10
153	THE MULTILEVEL FAST PHYSICAL OPTICS METHOD FOR CALCULATING HIGH FREQUENCY SCATTERED FIELDS. <i>Progress in Electromagnetics Research</i> , 2020 , 169, 1-15	3.8	3
152	Flexible metalized tubes for electromagnetic waveguiding. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019 , 232, 152-155	2.1	2
151	Volumetric 3D-Printed Antennas, Manufactured via Selective Polymer Metallization. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13,	2.5	12

150	Quantum noise radar: superresolution with quantum antennas by accessing spatiotemporal correlations. <i>Optics Express</i> , 2019 , 27, 29217-29231	3.3	4
149	Selective Metallization of Graphene-based Polymers for Volumetric 3D-printed Antennas 2019 ,		2
148	Moving Target Detection and Imaging Using a Single-Channel SAR 2019 ,		1
147	Fast Evaluation of Retarded Electromagnetic Potentials for Quantum Calculations 2019 ,		1
146	Synthesis of Quantum Antennas for Shaping Field Correlations. <i>Physical Review Applied</i> , 2018 , 9,	4.3	11
145	Shadow Radiation Iterative Physical Optics Method for High-Frequency Scattering. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 871-883	4.9	13
144	Holographic anti-counterfeiting tags utilizing speckle pattern fingerprint 2018 ,		2
143	In situ real-time beam monitoring with dielectric meta-holograms. <i>Optics Express</i> , 2018 , 26, 28469-28483,	3.3	1
142	A fast algorithm for the analysis of scattering by elongated cavities. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 1675-1696	1.3	
141	Artificial localized magnon resonances in subwavelength meta-particles. <i>Applied Physics Letters</i> , 2018 , 113, 123505	3.4	10
140	Anomalous electromagnetic coupling via entanglement at the nanoscale. <i>New Journal of Physics</i> , 2017 , 19, 023014	2.9	7
139	Optimizing kernel methods for Poisson integrals on a uniform grid. <i>Computer Physics Communications</i> , 2017 , 215, 1-6	4.2	5
138	On small signal equivalent circuit models for quantum dots. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 935-950	2	1
137	Convergence analysis for iterative physical optics algorithms 2017 ,		1
136	Size dependent electronic properties of silicon quantum dots: An analysis with hybrid, screened hybrid and local density functional theory. <i>Computer Physics Communications</i> , 2017 , 221, 95-101	4.2	6
135	Integral equation technique for scatterers with mesoscopic insertions: Application to a carbon nanotube. <i>Physical Review B</i> , 2017 , 96,	3.3	6
134	Quantum light rectification in nano-rectennas 2017 ,		1
133	Fast iterative physical optics with shadowing 2016 ,		3

132	A fast and stable solver for acoustic scattering problems based on the nonuniform grid approach. <i>Journal of the Acoustical Society of America</i> , 2016 , 139, 472-80	2.2	6
131	Fast computation of modified Green's function for generalized source integral equation solvers 2016 ,		1
130	Fast Antenna Diagnosis Algorithm Using Oblate Spheroidal Nonuniform Grids. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4197-4207	4.9	4
129	An auxiliary grid method for the calculation of electrostatic terms in density functional theory on a real-space grid. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 31550-7	3.6	9
128	Degeneracy Breaking of Wood's Anomaly for Enhanced Refractive Index Sensing. <i>ACS Photonics</i> , 2015 , 2, 615-621	6.3	31
127	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015 , 57, 1645-1654	2	16
126	Plasmonic holography: obtaining wide angle, broadband, and high efficiency 2015 ,		1
125	Wide-angle scanning optical linear phased array 2015 ,		2
124	Multilevel Physical Optics Algorithm for Near-Field Double-Bounce Scattering. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5015-5025	4.9	5
123	Electromagnetic compatibility in nano-electronics: Manifestation and suppression of quantum crosstalk 2015 ,		1
122	Equivalent electrical multiport for quantum systems in entangled states 2015 ,		1
121	GPU accelerated multilevel fast physical optics algorithm for radiation from non-planar apertures 2015 ,		1
120	Highly efficient and broadband wide-angle holography using patch-dipole nanoantenna reflectarrays. <i>Nano Letters</i> , 2014 , 14, 2485-90	11.5	116
119	Fast Green's Function Evaluation for Sources and Observers Near Smooth Convex Bodies. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 3374-3378	4.9	7
118	Multilevel Physical Optics Algorithm for Near Field Scattering. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4325-4335	4.9	9
117	Fast Direct Solver for Essentially Convex Scatterers Using Multilevel Non-Uniform Grids. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4314-4324	4.9	27
116	Fast surface integral equation solver based on NG-accelerated method of moments 2014 ,		1
115	Contact-less RF and optical measurement of antenna array active impedance using scattering data 2014 ,		4

114	Equation-based interpolation and incremental unknowns for solving the three-dimensional Helmholtz equation. <i>Applied Mathematics and Computation</i> , 2014 , 232, 1200-1208	2.7	0
113	Reconstruction of surface potential from Kelvin probe force microscopy images. <i>Nanotechnology</i> , 2013 , 24, 295702	3.4	50
112	Quantum nonreciprocity of nanoscale antenna arrays in timed Dicke states. <i>Physical Review Letters</i> , 2013 , 111, 023602	7.4	28
111	Grid metastructures for ultrabroadband acoustic cloaking. <i>AIP Advances</i> , 2013 , 3, 092133	1.5	
110	High load sensitivity in wideband infrared dual-Vivaldi nanoantennas. <i>Optics Letters</i> , 2013 , 38, 205-7	3	14
109	Compression of matrices representing directive source integral equation 2013 ,		1
108	Method of Generalized Debye Sources for the Analysis of Electromagnetic Scattering by Perfectly Conducting Bodies With Piecewise Smooth Boundaries. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2108-2115	4.9	6
107	Mono-detection spatially super resolved microwave imaging for RADAR applications. <i>Optics Communications</i> , 2012 , 285, 2519-2524	2	3
106	Analysis of the RATAN-600 radiotelescope antenna with a multilevel Physical Optics algorithm. <i>Comptes Rendus Physique</i> , 2012 , 13, 38-45	1.4	1
105	Quantifying the radiation efficiency of nano antennas. <i>Applied Physics Letters</i> , 2012 , 100, 111113	3.4	19
104	Fast Electromagnetic Integral-Equation Solvers on Graphics Processing Units. <i>IEEE Antennas and Propagation Magazine</i> , 2012 , 54, 71-87	1.7	19
103	The Effect of the Measuring Tip and Image Reconstruction. <i>Springer Series in Surface Sciences</i> , 2012 , 45-63.4		
102	Generalized Multilevel Physical Optics (MLPO) for Comprehensive Analysis of Reflector Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 1182-1186	4.9	9
101	A Cartesian non-uniform grid interpolation method for fast field evaluation on elongated domains. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2012 , 25, 645-655	1	1
100	Generalized Equivalence Integral Equations. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1568-1571	3.8	10
99	Wideband dual Vivaldi nano-antenna with high radiation efficiency over the infrared frequency band 2011 ,		2
98	Fast direct solution of 3-D scattering problems via nonuniform grid-based matrix compression. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011 , 58, 2405-17	3.2	10
97	Dual-Vivaldi wideband nanoantenna with high radiation efficiency over the infrared frequency band. <i>Optics Letters</i> , 2011 , 36, 2773-5	3	19

96	Direct measurement of individual deep traps in single silicon nanowires. <i>Nano Letters</i> , 2011 , 11, 2499-502	1.5	36
95	The role of the cantilever in Kelvin probe force microscopy measurements. <i>Beilstein Journal of Nanotechnology</i> , 2011 , 2, 252-60	3	63
94	Direct measurement of nanowire Schottky junction depletion region. <i>Applied Physics Letters</i> , 2011 , 99, 223511	3.4	23
93	Gaussian beam summation algorithm for ultra wide band indoor channel characterization 2010 ,		2
92	Multilevel nonuniform grid algorithm for acceleration of integral equation-based solvers for acoustic scattering. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010 , 57, 262-73	3.3	29
91	Optical and diffraction simulation techniques for large multibeam reflector 2010 ,		2
90	A multilevel Cartesian non-uniform grid time domain algorithm. <i>Journal of Computational Physics</i> , 2010 , 229, 8430-8444	4.1	10
89	Equation-based interpolation and incremental unknowns for solving the Helmholtz equation. <i>Applied Numerical Mathematics</i> , 2010 , 60, 1148-1156	2.5	3
88	A multilevel fast direct solver for EM scattering from quasi-planar objects 2009 ,		13
87	Dielectric inserts for sensitivity and RF magnetic field enhancement in NMR volume coils. <i>Journal of Magnetic Resonance</i> , 2009 , 200, 49-55	3	11
86	Optimization of focusing optics of RATAN-600 radio telescope 2009 ,		2
85	Multilevel Surface Decomposition Algorithm for Rapid Evaluation of Transient Near-Field to Far-Field Transforms. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 188-195	4.9	2
84	Nonuniform grid algorithm for fast calculation of magnetostatic interactions in micromagnetics. <i>Journal of Applied Physics</i> , 2009 , 105, 07D541	2.5	19
83	Two-dimensional imaging of III-V quantum dots confinement potential. <i>Europhysics Letters</i> , 2009 , 88, 66003	1.6	10
82	Kelvin Probe Force Microscopy: Recent Advances and Applications 2008 , 351-376		1
81	Analysis of Very Large Dual-Reflector Antennas Using Multilevel Physical Optics (MLPO) Algorithm 2007 ,		1
80	Incremental unknowns preconditioning for solving the Helmholtz equation. <i>Numerical Methods for Partial Differential Equations</i> , 2007 , 23, 1396-1410	2.5	5
79	Mechanical tuning of two-dimensional photonic crystal cavity by micro Electro mechanical flexures. <i>Sensors and Actuators A: Physical</i> , 2007 , 139, 47-52	3.9	4

78	Adaptive multilevel non-uniform grid algorithm for fast field evaluation in multilayered media 2007		2
77	Non-uniform grid based fast direct solver for quasi-planar scatterers 2007 ,		2
76	Compression of the Method of Moments Matrices Using the Non-Uniform Grid Approach 2007 ,		6
75	Splitting of microcavity degenerate modes in rotating photonic crystals. The miniature optical gyroscopes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 142	1.7	25
74	Rotation-induced superstructure in slow-light waveguides with mode-degeneracy: optical gyroscopes with exponential sensitivity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 1216	1.7	56
73	Fast Evaluation of the Radiation Patterns of True Time Delay Arrays With Beam Steering. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 3421-3432	4.9	2
72	Adaptive Nonuniform-Grid (NG) Algorithm for Fast Capacitance Extraction. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 3565-3570	4.1	15
71	Substructuring approach to optimization of matching for photonic crystal waveguides. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1866-1871	1.2	1
70	Slow-Light Waveguides with Mode Degeneracy: Rotation-Induced Super Structures and Optical Gyroscopes 2006 , MB3		1
69	Two-dimensional Green's function theory for the electrodynamics of a rotating medium. <i>Physical Review E</i> , 2006 , 74, 016608	2.4	13
68	Nonuniform grid time domain (NGTD) algorithm for fast evaluation of transient wave fields. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 1943-1951	4.9	20
67	Propagation in photonic crystal coupled-cavity waveguides with discontinuities in their optical properties. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 1442	1.7	4
66	Non-uniform grid accelerated local/global boundary condition (NG-LGBC) for acoustic scattering. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 3608-3621	5.7	3
65	Reconstruction of electrostatic force microscopy images. <i>Review of Scientific Instruments</i> , 2005 , 76, 083705	4.5	87
64	Nanoscale potential distribution across multiquantum well structures: Kelvin probe force microscopy and secondary electron imaging. <i>Journal of Applied Physics</i> , 2005 , 98, 084310	2.5	18
63	. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 948-957	4.9	21
62	A pulsed beam summation formulation for short pulse radiation based on windowed Radon transform (WRT) frames. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 3030-3048	4.9	29
61	Ultrasensitive displacement sensing using photonic crystal waveguides. <i>Applied Physics Letters</i> , 2005 , 86, 104102	3.4	29

60	Multilevel fast physical optics algorithm for radiation from non-planar apertures. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 2064-2072	4.9	19
59	Nanoscale piezoelectric coefficient measurements in ionic conducting ferroelectrics. <i>Journal of Applied Physics</i> , 2005 , 97, 084312	2.5	36
58	Hybrid non-uniform grid based fast global boundary conditions for concave scatterers 2004 ,		1
57	Gaussian beams representation based on periodic frames for radiation from cylindrical apertures 2004 ,		1
56	Hybrid absorbing boundary conditions based on fast nonuniform grid integration for nonconvex scatterers. <i>Microwave and Optical Technology Letters</i> , 2004 , 43, 102-106	1.2	10
55	A fast physical optics (FPO) algorithm for double-bounce scattering. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 205-212	4.9	27
54	A phase-space beam summation formulation for ultrawide-band radiation. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 2042-2056	4.9	64
53	A fast physical optics (FPO) algorithm for high frequency scattering. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 197-204	4.9	15
52	Non-uniform grid time domain (NGTD) algorithm for fast evaluation of transient fields 2003 ,		2
51	Gaussian beam tracking through a curved interface: comparison with a method of moments. <i>IET Microwaves Antennas and Propagation</i> , 2003 , 150, 49		11
50	Frame-based Gaussian beam summation method: Theory and applications. <i>Radio Science</i> , 2003 , 38, n/a-n/a		28
49	Sensitivity analysis of narrowband photonic crystal filters and waveguides to structure variations and inaccuracy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003 , 20, 138-46	1.8	22
48	Fast radiation pattern evaluation for lens and reflector antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2003 , 51, 1063-1068	4.9	23
47	Frame-Based Beam-Summation Algorithms for Ultra Wideband Radiation from Extended Apertures 2003 , 101-112		2
46	Multigrid analysis of scattering by large planar structures. <i>Microwave and Optical Technology Letters</i> , 2002 , 32, 454-458	1.2	2
45	A fast iterative physical optics (FIPO) algorithm based on non-uniform polar grid interpolation. <i>Microwave and Optical Technology Letters</i> , 2002 , 35, 240-244	1.2	28
44	Nonuniform polar grid algorithm for fast field evaluation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2002 , 1, 142-145	3.8	33
43	Electromagnetic analysis of an antenna embedded in a composite environment. <i>IEEE Transactions on Antennas and Propagation</i> , 2001 , 49, 681-687	4.9	

42	Narrow-band microcavity waveguides in photonic crystals. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001 , 18, 2799-805	1.8	16
41	A fast multilevel domain decomposition algorithm for radar imaging. <i>IEEE Transactions on Antennas and Propagation</i> , 2001 , 49, 666-671	4.9	23
40	A multilevel domain decomposition algorithm for fast $O(N^2 \log N)$ reprojection of tomographic images. <i>IEEE Transactions on Image Processing</i> , 2000 , 9, 1573-82	8.7	28
39	Complex multipole beam approach to acoustic scattering problems. <i>Journal of the Acoustical Society of America</i> , 1997 , 102, 1319-1325	2.2	1
38	New designs of ultra wide-band communication antennas using a genetic algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , 1997 , 45, 1494-1501	4.9	34
37	A multilevel matrix decomposition algorithm for analyzing scattering from large structures. <i>IEEE Transactions on Antennas and Propagation</i> , 1996 , 44, 1086-1093	4.9	221
36	Design of electrically loaded wire antennas using genetic algorithms. <i>IEEE Transactions on Antennas and Propagation</i> , 1996 , 44, 687	4.9	87
35	Scattering from elongated objects: direct solution in $O(N \log^2 N)$ operations. <i>IET Microwaves Antennas and Propagation</i> , 1996 , 143, 277		41
34	A numerical absorbing boundary condition for 3D edge-based finite-element analysis of very low-frequency fields. <i>Microwave and Optical Technology Letters</i> , 1995 , 9, 22-27	1.2	6
33	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 150-154	4.1	6
32	A numerical absorbing boundary condition for finite-difference and finite-element analysis of open structures. <i>Microwave and Optical Technology Letters</i> , 1994 , 7, 395-398	1.2	17
31	A numerical absorbing boundary condition for edge-based finite-element analysis. <i>Microwave and Optical Technology Letters</i> , 1994 , 7, 733-737	1.2	4
30	Multilevel evaluation of electromagnetic fields for the rapid solution of scattering problems. <i>Microwave and Optical Technology Letters</i> , 1994 , 7, 790-795	1.2	61
29	Complex multipole-beam approach to three-dimensional electromagnetic scattering problems. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1994 , 11, 1505	1.8	24
28	. <i>IEEE Transactions on Antennas and Propagation</i> , 1994 , 42, 366-372	4.9	53
27	Analysis of Electromagnetic Scattering from Linear Periodic Arrays of Penetrable Bodies Using a Cylindrical Current Model. <i>Journal of Electromagnetic Waves and Applications</i> , 1993 , 7, 423-441	1.3	1
26	. <i>IEEE Transactions on Antennas and Propagation</i> , 1993 , 41, 1265-1272	4.9	4
25	. <i>IEEE Transactions on Antennas and Propagation</i> , 1993 , 41, 926-933	4.9	16

24	Analysis of the 5:1 Dipole Benchmark Case Using the Current-Model Method with an SVD-Improved Point Matching Technique. <i>Journal of Electromagnetic Waves and Applications</i> , 1993 , 7, 1577-1593	1.3	2
23	Analysis of electromagnetic scattering from doubly periodic nonplanar surfaces using a patch-current model. <i>IEEE Transactions on Antennas and Propagation</i> , 1993 , 41, 732-738	4.9	12
22	Analysis and optimization of waveguide multiapplicator hyperthermia systems. <i>IEEE Transactions on Biomedical Engineering</i> , 1993 , 40, 946-52	5	24
21	Analysis of three-dimensional acoustic scattering from doubly periodic structures using a source model. <i>Journal of the Acoustical Society of America</i> , 1992 , 91, 572-580	2.2	10
20	Analysis of electromagnetic scattering using a current model method. <i>Computer Physics Communications</i> , 1991 , 68, 331-345	4.2	31
19	. <i>IEEE Transactions on Antennas and Propagation</i> , 1991 , 39, 1332-1337	4.9	14
18	Analysis of electromagnetic scattering from doubly periodic arrays of penetrable bodies using a patch-dipole current model. <i>Radio Science</i> , 1991 , 26, 603-610	1.4	6
17	Optimal excitation of multiapplicator systems for deep regional hyperthermia. <i>IEEE Transactions on Biomedical Engineering</i> , 1990 , 37, 987-95	5	11
16	Analysis of diffraction from doubly periodic arrays of perfectly conducting bodies by using a patch-current model. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1990 , 7, 1712	1.8	14
15	Analysis of diffraction from echelette gratings, using a strip-current model. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1989 , 6, 543	1.8	17
14	Analysis of two-dimensional acoustic scattering from periodic structures using a hybrid source model. <i>Journal of the Acoustical Society of America</i> , 1989 , 86, 387-394	2.2	8
13	Analysis of acoustic scattering from fluid bodies using a multipoint source model. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1989 , 36, 119-28	3.2	10
12	. <i>IEEE Transactions on Antennas and Propagation</i> , 1989 , 37, 1437-1446	4.9	32
11	Analysis of two-dimensional electromagnetic scattering from a periodic grating of cylinders using a hybrid current model. <i>Radio Science</i> , 1988 , 23, 612-624	1.4	24
10	. <i>IEEE Transactions on Antennas and Propagation</i> , 1988 , 36, 1026-1031	4.9	34
9	. <i>IEEE Transactions on Antennas and Propagation</i> , 1988 , 36, 1722-1734	4.9	86
8	. <i>IEEE Transactions on Antennas and Propagation</i> , 1988 , 36, 1602-1607	4.9	28
7	Analysis of acoustic scattering from fluid cylinders using a multifilament source model. <i>Journal of the Acoustical Society of America</i> , 1988 , 83, 1-8	2.2	26

6	Analysis of electromagnetic scattering from dielectric cylinders using a multifilament current model. <i>IEEE Transactions on Antennas and Propagation</i> , 1987 , 35, 1119-1127	114
5	Non-uniform grid (NG) algorithm for fast capacitance extraction	2
4	A fast multilevel domain decomposition algorithm for radar imaging	1
3		3
2		2
1		1