Raj Mittra

List of Publications by Year
in descending order

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561	12,751	44444	49824
papers	citations	50 h-index	91 g-index

564	564	564	5437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cognitive Conformal Antenna Array Exploiting Deep Reinforcement Learning Method. IEEE Transactions on Antennas and Propagation, 2022, 70, 5094-5104.	3.1	15
2	Comparison of CBFM-Enhanced Iterative Methods for MoM-Based Finite Antenna Array Analysis. IEEE Transactions on Antennas and Propagation, 2022, 70, 3538-3548.	3.1	5
3	Dual Circularly Polarized 3-D Printed Broadband Dielectric Reflectarray With a Linearly Polarized Feed. IEEE Transactions on Antennas and Propagation, 2022, 70, 5393-5403.	3.1	17
4	Reconfigurable Liquid Metal-Based SIW Phase Shifter. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 323-333.	2.9	18
5	Wide-Angle Scanning Antennas for Millimeter-Wave 5G Applications. Engineering, 2022, 11, 60-71.	3.2	10
6	Modified 16-Quasi Log Periodic Antenna Array for Microwave Imaging of Breast Cancer Detection. Applied Sciences (Switzerland), 2022, 12, 147.	1.3	7
7	Nonlocal response of plasmonic coreâ€“shell nanotopologies excited by dipole emitters. Nanoscale Advances, 2022, 4, 2346-2355.	2.2	1
8	Liquid Metal Enabled SIW Vias and RF Blocking Walls for Reconfigurable Antennas. , 2022, , .		1
9	Phase Reconfiguration via SIW Structures Filled with Liquid Metal. , 2022, , .		1
10	31 dBi-Gain Slotted Waveguide Antenna Array Using Wing-Based Reflectors. IEEE Access, 2022, 10, 57327-57338.	2.6	3
11	Gallium-Based Liquid Metal Substrate Integrated Waveguide Switches. IEEE Microwave and Wireless Components Letters, 2021, 31, 257-260.	2.0	16
12	Graphene-based microwave coaxial antenna for microwave ablation: thermal analysis. International Journal of Microwave and Wireless Technologies, 2021, 13, 497-505.	1.5	8
13	Hybrid Parasitic Linear Array Antenna for Fine Beamsteering Applications. IEEE Access, 2021, 9, 84899-84909.	2.6	3
14	Wideband Low RCS Antenna Based on Hybrid Absorptive-Diffusive Frequency Selective Reflector. IEEE Access, 2021, 9, 77863-77872.	2.6	9
15	Collocated MIMO travelling wave SIW slot array antennas for millimetre waves. IET Microwaves, Antennas and Propagation, 2021, 15, 815-826.	0.7	4
16	Dualâ€polarized frequency selective rasorber with dual absorption bands. Microwave and Optical Technology Letters, 2021, 63, 2745-2750.	0.9	0
17	Ultra-Wideband Flat Metamaterial GRIN Lenses Assisted With Additive Manufacturing Technique. IEEE Transactions on Antennas and Propagation, 2021, 69, 3788-3799.	3.1	48
18	Fixed- and Scanned-Beam Antenna Arrays for 5G Applications. Signals and Communication Technology, 2021, , 145-207.	0.4	5

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19	Field Decorrelation and Isolation Improvement in an MIMO Antenna Using an All-Dielectric Device Based on Transformation Electromagnetics. Sensors, 2021, 21, 7577.	2.1	4
20	Hemispherical Luneburg Lens for Wide Angle Beam Scanning in the Ka-band. , 2021, , .		1
21	A novel CEM technique for modeling electromagnetic scattering from metasurfaces. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2681.	1.2	2
22	Novel techniques for numerically efficient solution of multiscale problems in computational electromagnetics. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2663.	1.2	4
23	Performance Enhancement of Array Antennas using Metasurface Superstrates. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2705.	1.2	0
24	Liquid Metal Bandwidth-Reconfigurable Antenna. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 218-222.	2.4	32
25	Parametric study of modified dipole nanoâ€antennas printed on thick substrates for infrared energy harvesting. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2704.	1.2	5
26	Wideband Fixed- and Scanned-Beam Millimeter Wave Antenna Arrays for 5G Applications. , 2020, , .		1
27	Efficient simulation of 5G Antenna platforms and Circuits using the Characteristic Basis Function Method (CBFM) and GPU Acceleration. , 2020, , .		0
28	A Numerically Efficient Technique for the Analysis of Metamaterial- and Metasurface-based Antennas. , 2020, , .		2
29	Design Technology of Synthetic Aperture Radar [Book Review]. IEEE Antennas and Propagation Magazine, 2020, 62, 124-125.	1.2	1
30	A Low-Profile High-Gain Slotted Waveguide Antenna Array With Grooved Structures. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2107-2111.	2.4	8
31	Multiscale Modeling of Thin-Wire Coupling Problems Using Hybridization of Finite Element and Dipole Moment Methods and GPU Acceleration. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2020, 5, 155-166.	1.4	0
32	Dual-Band Diffusive Metasurface-Based Reflector With Low Out-of-Band Backscattering. IEEE Access, 2020, 8, 217196-217203.	2.6	4
33	Field Decorrelation in a MIMO Antenna using Transformation Electromagnetics. , 2020, , .		1
34	Full wave numerical analysis of wideband and high directive log spiral <scp>THz</scp> photoconductive antenna. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2761.	1.2	8
35	Time-Domain Modeling of Field-to-Wire Coupling in Obliquely Oriented Multiwire Cables With Junctions Using JEMS-FDTD. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2458-2467.	1.4	7
36	Wideband highâ€gain Â±45Â° dualâ€polarised stacked patch antenna array for Kuâ€band backâ€haul services. IET Microwaves, Antennas and Propagation, 2020, 14, 53-59.	0.7	4

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37	A look at field manipulation and antenna design using 3D transformation electromagnetics and 2D surface electromagnetics. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 351-365.	1.5	3
38	Compact Dual-Band Metamaterial-Based High-Efficiency Rectenna: An Application for Ambient Electromagnetic Energy Harvesting. IEEE Antennas and Propagation Magazine, 2020, 62, 18-29.	1.2	36
39	Quadrilateral-Shaped Wideband Circularly Polarized CPW-Fed Monopole Antenna. , 2019, , .		6
40	Wide-Passband Dual-Polarized Elliptic Frequency Selective Surface. IEEE Access, 2019, 7, 55833-55840.	2.6	21
41	A Dipole-Moment-Based Formulation for Numerically Efficient Analysis of Scattering From Truncated Periodic Structures. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1661-1665.	2.4	1
42	Microstrip-fed Scanned Dipole Antenna Array for 5G Applictions. , 2019, , .		5
43	Robust Detection for Chipless RFID Tags Based on Compact Printable Alphabets. Sensors, 2019, 19, 4785.	2.1	11
44	A Potential-Based Formalism for Modeling Local and Hydrodynamic Nonlocal Responses From Plasmonic Waveguides. IEEE Transactions on Antennas and Propagation, 2019, 67, 3948-3960.	3.1	16
45	Characteristic Basis Function Method for Fast Analysis of 3-D Scattering From Objects Buried Under Rough Surfaces. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5252-5265.	2.7	8
46	On a Unified Apporach Towards the Modeling of Nonlocal Hydrodynamic Non-classical Response from Plasmonic Nanotopologies. , 2019, , .		0
47	Dual-Band Dual-Polarized Quasi-Elliptic Frequency Selective Surfaces. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 298-302.	2.4	24
48	45 GHz Wideband Circularly Polarized Planar Antenna Array Using Inclined Slots in Modified Short-Circuited SIW. IEEE Transactions on Antennas and Propagation, 2019, 67, 1669-1680.	3.1	33
49	Wideband and highâ€gain circularly polarised microstrip antenna design using sandwiched metasurfaces and partially reflecting surface. IET Microwaves, Antennas and Propagation, 2019, 13, 305-312.	0.7	15
50	Beam and polarization reconfigurable microstrip antenna based on parasitics. Microwave and Optical Technology Letters, 2018, 60, 1460-1464.	0.9	6
51	Conformal Capsule Antenna With Reconfigurable Radiation Pattern for Robust Communications. IEEE Transactions on Antennas and Propagation, 2018, 66, 3354-3365.	3.1	33
52	A Numerically Efficient Method for Predicting the Scattering Characteristics of a Complex Metallic Target Located Inside a Large Forested Area. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1177-1185.	2.7	5
53	Beam-Shaping Technique Based on Generalized Laws of Refraction and Reflection. IEEE Transactions on Antennas and Propagation, 2018, 66, 771-779.	3.1	13
54	Stochastic Polynomial Chaos Expansion Analysis of a Split-Ring Resonator at Terahertz Frequencies. IEEE Transactions on Antennas and Propagation, 2018, 66, 2131-2134.	3.1	18

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55	A Computationally Efficient 3-D Full-Wave Model for Coherent EM Scattering From Complex-Geometry Hydrometeors Based on MoM/CBFM-Enhanced Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2674-2688.	2.7	10
56	A Printed Conical Beam Antenna for Millimeter-Wave Applications. , 2018, , .		2
57	On the Design of Conformal Radomes for Beam-shaping of Antennas. , 2018, , .		2
58	Broadband Substrate Integrated Waveguide Slotted Array Antenna at mm-Wave Bands. , 2018, , .		5
59	Some Recent Advances in the Development of Numerically Efficient Computational Electromagnetic Techniques. , 2018, , .		1
60	Novel Compact Multiband Antennas for Biomedical Applications. , 2018, , .		0
61	Dual-Polarized Frequency-Selective Surface With Two Transmission Zeros Based on Cascaded Ground Apertured Annular Ring Resonators. IEEE Transactions on Antennas and Propagation, 2018, 66, 4077-4085.	3.1	19
62	A Boundary Integral Equation Scheme for Simulating the Nonlocal Hydrodynamic Response of Metallic Antennas at Deep-Nanometer Scales. IEEE Transactions on Antennas and Propagation, 2018, 66, 4759-4771.	3.1	25
63	Ka-Band Antenna With High Circular Polarization Purity and Wide AR Beamwidth. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1697-1701.	2.4	25
64	Analysis of Partial Geometry Modification Problems Using the Partitioned-Inverse Formula and Shermanâ€“Morrisonâ€“Woodbury Formula-Based Method. IEEE Transactions on Antennas and Propagation, 2018, 66, 5425-5431.	3.1	20
65	Integrated GSMâ€UWB Fibonacciâ€type antennas with single, dual, and triple notched bands. IET Microwaves, Antennas and Propagation, 2018, 12, 1004-1012.	0.7	22
66	Multi-level characteristic basis function method for analysis of scattering from objects embedded in multi-layered media. Journal of Electromagnetic Waves and Applications, 2017, 31, 47-56.	1.0	10
67	Investigation on plasmonic responses in multilayered nanospheres including asymmetry and spatial nonlocal effects. Journal Physics D: Applied Physics, 2017, 50, 495302.	1.3	13
68	An Ultrawideband Conformal Capsule Antenna With Stable Impedance Matching. IEEE Transactions on Antennas and Propagation, 2017, 65, 5086-5094.	3.1	65
69	Multi-layer Intrabody Terahertz Wave Propagation Model for Nanobiosensing Applications. Nano Communication Networks, 2017, 14, 9-15.	1.6	31
70	Efficient technique for broadband monostatic RCS using the characteristic basis function method with polynomial interpolation. Electronics Letters, 2017, 53, 956-958.	0.5	9
71	Single-Layer Dual-/Tri-Band Inverted-F Antennas for Conformal Capsule Type of Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 7257-7265.	3.1	59
72	Investigation of a Random-Fractal Antenna Based on a Natural Tree-Leaf Geometry. International Journal of Antennas and Propagation, 2017, 2017, 1-7.	0.7	11

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73	Analysis of scattering from multi-scale and multiple targets using characteristic basis function (CBFM) and integral equation discontinuous Galerkin (IEDG) methods. Journal of Electromagnetic Waves and Applications, 2017, 31, 969-980.	1.0	3
74	Exact analytical solutions of continuously graded models of flat lenses based on transformation optics. Facta Universitatis - Series Electronics and Energetics, 2017, 30, 639-646.	0.6	1
75	FLAT LENS DESIGN USING ARTIFICIALLY ENGINEERED MATERIALS. Progress in Electromagnetics Research C, 2016, 64, 71-78.	0.6	13
76	3Dâ€printed planar graded index lenses. IET Microwaves, Antennas and Propagation, 2016, 10, 1411-1419.	0.7	101
77	Optical response of cylindrical multilayers in the context of hydrodynamic convection-diffusion model. Journal of Applied Physics, 2016, 120, 123102.	1.1	10
78	A Miniaturized Dual-Band Antenna with Toothbrush-Shaped Patch and Meander Line for WLAN Applications. Wireless Personal Communications, 2016, 91, 595-602.	1.8	11
79	Controlling radiation patterns of antennas mounted on complex platforms using the characteristic basis functions (CBFs). Journal of Electromagnetic Waves and Applications, 2016, 30, 1354-1365.	1.0	5
80	Efficiency Enhancement of the Characteristic Basis Function Method for Modeling Forest Scattering Using the Adaptive Cross Approximation Algorithm. IEEE Transactions on Antennas and Propagation, 2016, 64, 4539-4544.	3.1	11
81	A technique for handling multiscale electromagnetic problems using the finite difference time domain (FDTD) algorithm. Journal of Electromagnetic Waves and Applications, 2016, 30, 1241-1264.	1.0	2
82	A novel and efficient Method of Moments formulation. , 2016, , .		0
83	A three-dimensional circularly polarized antenna with a low profile and a wide 3-dB beamwidth. Journal of Electromagnetic Waves and Applications, 2016, 30, 89-97.	1.0	30
84	High-frequency asymptotics for diffraction by a strongly elongated canonical object. , 2016, , .		0
85	Fullâ€wave analysis of electromagnetic wave propagation over terrain using the Improved Tabulated Interaction Method. Radio Science, 2015, 50, 355-364.	0.8	1
86	RECENT ADVANCES IN THE ASYMPTOTIC THEORY OF DIFFRACTION BY ELONGATED BODIES (Invited Paper). Progress in Electromagnetics Research, 2015, 150, 163-182.	1.6	8
87	AN EFFICIENT AND ACCURATE METHOD TO SOLVE LOW FREQUENCY AND NON-CONFORMAL PROBLEMS USING FINITE DIFFERENCE TIME DOMAIN (FDTD) (INVITED PAPER). Progress in Electromagnetics Research, 2015, 150, 183-196.	1.6	2
88	DOA ESTIMATION BY USING LUNEBURG LENS ANTENNA WITH MODE EXTRACTION AND SIGNAL PROCESSING TECHNIQUE. Progress in Electromagnetics Research C, 2015, 56, 145-151.	0.6	3
89	FULL WAVE MODELING OF BRAIN WAVES AS ELECTROMAGNETIC WAVES (Invited Paper). Progress in Electromagnetics Research, 2015, 151, 95-107.	1.6	5
90	A SINGULARITY FREE MOM-TYPE OF FORMULATION USING THE DIPOLE-MOMENT-BASED APPROACH (Invited) Tj ETQq0 0 0 rgBT /Overlo	1.6	3

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91	High-frequency diffraction by an elliptic cylinder: the far field. Journal of Electromagnetic Waves and Applications, 2015, 29, 1317-1328.	1.0	5
92	Enhanced angular resolution for DOA estimation by using Luneburg lens antenna with a waveguide array basement. , 2015, , .		0
93	Efficient computation of macro-domain basis functions when applying the characteristic basis function method to the modeling of forest scattering. Journal of Electromagnetic Waves and Applications, 2015, 29, 2038-2051.	1.0	2
94	Accelerating solution of rough surface scattering problems by using the UV technique in conjunction with the Characteristic Basis Function Method and the Adaptive Cross Approximation. , 2015, , .		0
95	DOA estimation by using randomly distributed radar array with signal processing technique. , 2015, , .		0
96	Microstrip patch antenna miniaturisation techniques: a review. IET Microwaves, Antennas and Propagation, 2015, 9, 913-922.	0.7	92
97	Flat-base broadband multibeam Luneburg lens for wide-angle scan. Journal of Electromagnetic Waves and Applications, 2015, 29, 1329-1341.	1.0	15
98	Penta-band PIFA for SAR reduction for mobile and WLAN applications using R-Card. , 2015, , .		3
99	A Domain Decomposition Finite Difference Time Domain (FDTD) Method for Scattering Problem from Very Large Rough Surfaces. IEEE Transactions on Antennas and Propagation, 2015, 63, 4468-4476.	3.1	25
100	ENHANCEMENT OF ANGULAR RESOLUTION OF A FLAT-BASE LUNEBURG LENS ANTENNA BY USING CORRELATION METHOD. Progress in Electromagnetics Research M, 2014, 37, 203-211.	0.5	3
101	A MULTI-FEATURE VISIBILITY PROCESSING ALGORITHM FOR RADIO INTERFEROMETRIC IMAGING ON NEXT-GENERATION TELESCOPES. Progress in Electromagnetics Research C, 2014, 52, 39-52.	0.6	1
102	DESIGN OF ABSORPTIVE COATINGS FOR ARBITRARILY SHAPED TARGETS FOR REDUCTION OF RADAR CROSS SECTION (RCS) USING AN ALTERNATIVE TO THE TRANSFORMATION OPTICS (TO) ALGORITHM (Invited Paper). Progress in Electromagnetics Research, 2014, 147, 153-170.	1.6	1
103	PERFORMANCE ENHANCEMENT OF MICROWAVE SUB-WAVELENGTH IMAGING AND LENS-TYPE DOA ESTIMATION SYSTEMS BY USING SIGNAL PROCESSING TECHNIQUES (INVITED PAPER). Progress in Electromagnetics Research, 2014, 147, 203-226.	1.6	1
104	A comparison of domain decomposition techniques for analysing disjoint finite antenna arrays. , 2014, , .		6
105	Parallelized Multilevel Characteristic Basis function Method (MLCBFM) combined with Adaptive Cross Approximation (ACA) for the analysis of the scattering from electrically large rough surfaces. , 2014, , .		3
106	Fast Analysis of Large 3-D Dielectric Scattering Problems Arising in Remote Sensing of Forest Areas Using the CBFM. IEEE Transactions on Antennas and Propagation, 2014, 62, 4282-4291.	3.1	26
107	Design of antennas with an Iso-flux Pattern to achieve suppression of radiation along zenith. , 2014, , .		0
108	Electromagnetic sub-wavelength imaging using the basis matrix method in conjunction with singular value decomposition (SVD) algorithm. , 2014, , .		1

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109	Broadband flat-base Luneburg lens antenna for wide angle scan. , 2014, , .		6
110	Miniaturized CPW-FED UWB antenna with dual frequency rejection bands using stepped impedance stub and arc-shaped parasitic element. Microwave and Optical Technology Letters, 2014, 56, 783-787.	0.9	18
111	Modeling Logging While Drilling systems at low frequencies using the Finite Difference Time Domain (FDTD). , 2014, , .		0
112	Efficient Analysis of Large Aperiodic Antenna Arrays Using the Domain Green's Function Method. IEEE Transactions on Antennas and Propagation, 2014, 62, 1579-1588.	3.1	44
113	Performance enhancement of aperture antennas used for estimation of Direction of Arrival (DOA). , 2014, , .		0
114	Resolution Enhancement of Phase-Conjugating Lenses by Using Signal Processing Algorithms. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 511-514.	2.4	3
115	A compact CPWâ€fed circular slot antenna with reconfigurable dual bandâ€notch characteristics for UWB communication applications. Microwave and Optical Technology Letters, 2014, 56, 465-468.	0.9	45
116	Penn state dedicates the Raj and Jeannette Mittra Microwave Lab. IEEE Antennas and Propagation Magazine, 2014, 56, 188-191.	1.2	0
117	A CPWâ€fed wideâ€slot antenna with reconfigurable notch bands for UWB and multiâ€band communication applications. Microwave and Optical Technology Letters, 2013, 55, 2777-2782.	0.9	17
118	Modeling large nonuniform optical antenna arrays for metasurface application. Journal of Applied Physics, 2013, 114, 043103.	1.1	9
119	A pentaâ€band folded antenna for mobile phone application. Microwave and Optical Technology Letters, 2013, 55, 34-40.	0.9	3
120	Modeling large metasurfaces comprised of nonuniform plasmonic nanorods arrays. , 2013, , .		0
121	Frequency selective surface with wideband quasiâ€elliptic bandpass response. Electronics Letters, 2013, 49, 1052-1053.	0.5	43
122	Analysis of Finite Conformal Frequency Selective Surfaces via the Characteristic Basis Function Method and Spectral Rotation Approaches. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1404-1407.	2.4	20
123	3D FDTD modeling of multi-scale structures at low frequencies. , 2013, , .		0
124	A Compact ACSâ€FED Dualâ€Band Meandered Monopole Antenna for Wlan and WiMax Applications. Microwave and Optical Technology Letters, 2013, 55, 2370-2373.	0.9	44
125	An efficient deâ€embedding technique for evaluating the Sâ€parameters of microwave circuits and printed antennas. Microwave and Optical Technology Letters, 2013, 55, 1266-1270.	0.9	0
126	A High-Order Characteristic Basis Function Algorithm for an Efficient Analysis of Printed Microwave Circuits and Antennas Etched on Layered Media. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 543-546.	2.4	6

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127	Volume Integral Equation Analysis of Thin Dielectric Sheet Using Sinusoidal Macro-Basis Functions. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 441-444.	2.4	9
128	Flat-Lens Design Using Field Transformation and Its Comparison With Those Based on Transformation Optics and Ray Optics. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 777-780.	2.4	57
129	Corrections to â€œDesign of a Carpet Cloak to Conceal an Antenna Located Underneathâ€•[Sept 12 4444-4449]. IEEE Transactions on Antennas and Propagation, 2013, 61, 2884-2884.	3.1	0
130	Applying the CBFM-enhanced domain Green's function method to the analysis of large disjoint subarray antennas. , 2013, , .		4
131	Numerically Efficient Analysis of Array of Plasmonic Nanorods Illuminated by an Obliquely Incident Plane Wave Using the Characteristic Basis Function Method. Journal of Computational and Theoretical Nanoscience, 2013, 10, 423-441.	0.4	2
132	Postscript to EuCAP 2013 in Gothenburg, Sweden [EurAAP Corner]. IEEE Antennas and Propagation Magazine, 2013, 55, 279-279.	1.2	0
133	NUMERICALLY EFFICIENT TECHNIQUE FOR METAMATERIAL MODELING. Progress in Electromagnetics Research, 2013, 140, 263-276.	1.6	2
134	Electromagnetic Wave Propagation in Body Area Networks Using the Finite-Difference-Time-Domain Method. Sensors, 2012, 12, 9862-9883.	2.1	9
135	Comments on â€œParAFEMCap: A Parallel Adaptive Finite-Element Method for 3-D VLSI Interconnect Capacitance Extractionâ€• IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1744-1745.	2.9	0
136	Wideband matching of an electrically small antenna using a negative impedance converter technique. , 2012, , .		2
137	Scan capability of fabry perot cavity (FPC) antennas with array feeds. , 2012, , .		3
138	A cognitive radio antenna integrated with narrow/ ultra-wideband antenna and switches. IEICE Electronics Express, 2012, 9, 1273-1283.	0.3	15
139	A novel low-profile circularly polarized antenna with low angle coverage. , 2012, , .		1
140	Optical response in subnanometer gaps due to nonlocal response and quantum tunneling. Applied Physics Letters, 2012, 101, 233111.	1.5	31
141	Spectral domain characteristic basis function method for efficient simulation of microstrip devices in layered media. IET Microwaves, Antennas and Propagation, 2012, 6, 411.	0.7	11
142	Design of a Carpet Cloak to Conceal an Antenna Located Underneath. IEEE Transactions on Antennas and Propagation, 2012, 60, 4444-4449.	3.1	11
143	Modified Wilkinson power divider for suppression of nth harmonics. Electronics Letters, 2012, 48, 1540-1542.	0.5	17
144	Integrated dual-purpose narrow/ultra-wide band antenna for cognitive radio applications. , 2012, , .		9

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145	Directivity enhancement of fabryâ€perot antenna by using a steppedâ€dielectric slab superstrate. Microwave and Optical Technology Letters, 2012, 54, 711-715.	0.9	13
146	A new technique for efficient and accurate analysis of FSSs, EBGs and metamaterials. Microwave and Optical Technology Letters, 2012, 54, 1108-1116.	0.9	7
147	Numerically efficient method-of-moments formulation valid over a wide frequency band including very low frequencies. IET Microwaves, Antennas and Propagation, 2012, 6, 46.	0.7	15
148	Solution of wide band scattering problems using the characteristic basis function method. IET Microwaves, Antennas and Propagation, 2012, 6, 60.	0.7	25
149	Artificial Ground Planes for Performance Enhancement of Microstrip Antennas. Journal of Electromagnetic Waves and Applications, 2011, 25, 597-606.	1.0	18
150	On the Synthesis of a Flat Lens using a Wideband Low-Reflection Gradient-Index Metamaterial. Journal of Electromagnetic Waves and Applications, 2011, 25, 2178-2187.	1.0	35
151	Connected Patch Array Analysis Using the Characteristic Basis Function Method. IEEE Transactions on Antennas and Propagation, 2011, 59, 1828-1837.	3.1	46
152	On the optimum design of a single-layer thin wideband radar absorber. , 2011, , .		8
153	An Efficient Technique for the Evaluation of the Reduced Matrix in the Context of the CBFM for Layered Media. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 674-677.	2.4	14
154	A new numerical technique for analysis of periodic structures. Microwave and Optical Technology Letters, 2011, 53, 2332-2340.	0.9	7
155	Scattering analysis of plasmonic nanorod antennas: A novel numerically efficient computational scheme utilizing macro basis functions. Journal of Applied Physics, 2011, 109, .	1.1	10
156	Spectral evaluation of stirring effect in a reverberation chamber. , 2011, , .		1
157	General-Purpose Characteristic Basis Finite Element Method for Multi-Scale Electrostatic and Electromagnetic Problems. Electromagnetics, 2010, 30, 205-221.	0.3	3
158	Electromagnetic method for sample-induced resistance calculation of magnetic resonance coils. International Journal of Biomedical Engineering and Technology, 2010, 4, 18.	0.2	3
159	A comparative study of directivity enhancement of microstrip patch antennas with using three different superstrates. Microwave and Optical Technology Letters, 2010, 52, 327-331.	0.9	29
160	POâ€based characteristic basis finite element method (CBFEMâ€PO)â€"A parallel, iterationâ€free domain decomposition algorithm using perfectly matched layers for largeâ€scale electromagnetic scattering problems. Microwave and Optical Technology Letters, 2010, 52, 1053-1060.	0.9	7
161	Characteristic Basis Function Method for Solving Electromagnetic Scattering Problems Over Rough Terrain Profiles. IEEE Transactions on Antennas and Propagation, 2010, 58, 1579-1589.	3.1	30
162	Indirect coupling method for RFID tag antenna design. Electronics Letters, 2010, 46, 8.	0.5	6

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163	A Hybrid Approach for Solving Coupled Maxwell and SchrÃ¶dinger Equations Arising in the Simulation of Nano-Devices. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 914-917.	2.4	39
164	Electromagnetic Scattering by Finite Periodic Arrays Using the Characteristic Basis Function and Adaptive Integral Methods. IEEE Transactions on Antennas and Propagation, 2010, 58, 3086-3090.	3.1	36
165	A Capacitively Coupling Multifeed Slot Antenna for Metallic RFID Tag Design. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 447-450.	2.4	30
166	A Technique for Efficient Evaluation of the Multilayered Green's Function for Frequency Sweep Analysis of Planar Microstrip Structures. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 428-431.	2.4	9
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