

# Yahya Rahmat-Samii

## 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.

194  
papers

3,796  
citations

34  
h-index

55  
g-index

256  
ext. papers

4,914  
ext. citations

2.8  
avg, IF

6.04  
L-index

#	Paper	IF	Citations
194	Adaptive Beamforming by compact Arrays Using Evolutionary Optimization of Schelkunoff Polynomials. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	2
193	Embroidery Electro-Textile Patch Antenna Modeling and Optimization Strategies with Improved Accuracy and Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
192	K-band Circularly Polarized Beam Steerable Reflectarray Enabling Internet of Space: Conceptualization and Validation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
191	Fundamentals of Orbital Angular Momentum Beams <b>2021</b> , 1-32		
190	Small Triple-Band Meandered PIFA for Brain-Implantable Biotelemetric Systems: Development and Testing in a Liquid Phantom. <i>International Journal of Antennas and Propagation</i> , <b>2021</b> , 2021, 1-13	1.2	1
189	3D-Printed Shaped and Material-Optimized Lenses for Next-Generation Spaceborne Wind Scatterometer Weather Radars. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	1
188	Advances in Communication and Biomedical Antenna Developments at the UCLA Antenna Lab: Handheld, Wearable, Ingestible, and Implantable [Bioelectromagnetics]. <i>IEEE Antennas and Propagation Magazine</i> , <b>2021</b> , 63, 102-115	1.7	2
187	Antennas and Wireless Power Transfer for Brain-Implantable Sensors <b>2021</b> , 91-143		1
186	Ultraflexible Electrotexile Magnetic Resonance Imaging (MRI) Radio-Frequency Coils <b>2021</b> , 11-41		
185	Correction to A Novel and Systematic Approach to Inhomogeneous Dielectric Lens Design Based on Curved Ray Geometrical Optics and Particle Swarm Optimization [Jun 19 3657-3669]. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 1235-1235	4.9	
184	Appendix A Antennas and Sensors for Medical Applications: A Representative Literature Review <b>2021</b> , 547-583		
183	Understanding the Radiation Characteristics of Metal-Only, Low-Profile, Offset Stepped Parabolic Reflector Antennas: Simulation, Analysis, and Measurement. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5078-5083	4.9	1
182	. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , <b>2021</b> , 1-1	2.8	1
181	3D-Printed Inhomogeneous Dielectric Lens Antenna Diagnostics: A Tool for Assessing Lenses Misprinted Due to Fabrication Tolerances. <i>IEEE Antennas and Propagation Magazine</i> , <b>2020</b> , 62, 49-61	1.7	2
180	A Crossed Dipole Phased Array Antenna Architecture With Enhanced Polarization and Isolation Characteristics. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4469-4478	4.9	7
179	Flat Meta-Lens Antenna Synthesis Via Geometrical Optics and Particle Swarm Optimization <b>2020</b> ,		1
178	Beam Steerable Reflectarray Enabling CubeSat Internet of Space: Conceptualization and Design (Invited Paper) <b>2020</b> ,		2

177	3-D Printed Microfluidics Channelizing Liquid Metal for Multipolarization Reconfigurable Extended E-Shaped Patch Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 6867-6878	4.9	10
176	Enabling the Internet of Things With CubeSats: A Review of Representative Beamsteerable Antenna Concepts. <i>IEEE Antennas and Propagation Magazine</i> , <b>2020</b> , 0-0	1.7	4
175	A Novel Collapsible Flat-Layered Metamaterial Gradient-Refractive-Index Lens Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1312-1321	4.9	20
174	Revisiting the Appearance of Grating Lobes for Antennas With Circular Periodicity. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 5723-5728	4.9	2
173	Brain Storm Optimization for Electromagnetic Applications: Continuous and Discrete. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 2710-2722	4.9	25
172	Wideband Frequency Reconfigurable Patch Antenna With Switchable Slots Based on Liquid Metal and 3-D Printed Microfluidics. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 2886-2895	4.9	48
171	A Novel and Systematic Approach to Inhomogeneous Dielectric Lens Design Based on Curved Ray Geometrical Optics and Particle Swarm Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 3657-3669	4.9	23
170	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6254-6266	4.9	19
169	<b>2019</b> ,		1
168	STEP-LIKE STRUCTURES IN ELECTROSTATIC AND ELECTRODYNAMIC IMPLEMENTATION OF METHOD OF MOMENTS: SOME UNIQUE OBSERVATIONS. <i>Progress in Electromagnetics Research B</i> , <b>2019</b> , 85, 27-48	0.7	1
167	Small Multi-Resonant Meandered PIFA for Brain Implant Communications <b>2019</b> ,		1
166	Compact Dual-Band PIFA Based on a Slotted Radiator for Wireless Biomedical Implants <b>2019</b> ,		4
165	Modified Born Iterative Method in Medical Electromagnetic Tomography Using Magnetic Field Fluctuation Contrast Source Operator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 454-463	4.1	18
164	A Novel Flexible Electrotextile 3T MRI RF Coil Array for Carotid Artery Imaging: Design, Characterization, and Prototyping. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 5115-5125	4.9	11
163	Revisiting Orbital Angular Momentum Beams: Fundamentals, Reflectarray Generation, and Novel Antenna Applications. <i>IEEE Antennas and Propagation Magazine</i> , <b>2018</b> , 60, 68-81	1.7	34
162	. <i>Proceedings of the IEEE</i> , <b>2018</b> , 106, 391-403	14.3	67
161	Robust Optimization With Worst Case Sensitivity Analysis Applied to Array Synthesis and Antenna Designs. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 160-171	4.9	14
160	A Systematic Investigation of Rectangular Patch Antenna Bending Effects for Wearable Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 2219-2228	4.9	34

159	. <i>Proceedings of the IEEE</i> , <b>2018</b> , 106, 404-418	14.3	40
158	Remembering Joseph B. Keller: The Father of the Geometrical Theory of Diffraction [Historical Corner]. <i>IEEE Antennas and Propagation Magazine</i> , <b>2018</b> , 60, 120-121	1.7	
157	Synthesis and Analysis of Low Profile, Metal-Only Stepped Parabolic Reflector Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 2788-2798	4.9	7
156	A Rapid Medical Microwave Tomography Based on Partial Differential Equations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5521-5535	4.9	14
155	Integration of electro-textile RF coil array with magnetic resonance imaging (MRI) system: Design strategies and characterization methods <b>2018</b> ,		3
154	Novel Metal Only, Low Profile, High Gain Stepped Reflector Antennas for Future 5G mmWave and CubeSat Applications <b>2018</b> ,		2
153	Calculation of Mutual Coupling between Two Antennas of Diverse Displacements and Polarizations <b>2018</b> ,		1
152	Three-Dimensionally Printed, Shaped, Engineered Material Inhomogeneous Lens Antennas for Next-Generation Spaceborne Weather Radar Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 2080-2084	3.8	13
151	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2017</b> , 59, 31-38	1.7	42
150	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2017</b> , 59, 22-30	1.7	90
149	An End-to-End Implanted BrainMachine Interface Antenna System Performance Characterizations and Development. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 3399-3408	4.9	24
148	Enhancing Communications for Future Mars Rovers: Using high-performance circularly polarized patch subarrays for a dual-band direct-to-Earth link.. <i>IEEE Antennas and Propagation Magazine</i> , <b>2017</b> , 59, 50-61	1.7	3
147	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2017</b> , 59, 16-127	1.7	5
146	Synthesizing thin dielectric lenses for conical scanning beams: A hybrid numerical algorithm <b>2017</b> ,		3
145	Electro-textiles as potential candidate of flexible MRI RF coil for stroke prevention <b>2017</b> ,		3
144	Miniature Coplanar Implantable Antenna on Thin and Flexible Platform for Fully Wireless Intracranial Pressure Monitoring System. <i>International Journal of Antennas and Propagation</i> , <b>2017</b> , 2017, 1-9	1.2	9
143	An end-to-end optimization approach to drastically reduce cross-polarization in offset mmWave reflector antennas <b>2017</b> ,		1
142	Top-cross-loop improving the performance of the UWB planar monopole antennas. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 2432-2440	1.2	7

141	A novel differential inverse scattering methodology in biomedical imaging <b>2017</b> ,		2
140	Characterization of 3-D Loop Antenna to Overcome the Impact of Small Lateral Misalignment in Wirelessly Powered Intracranial Pressure Monitoring System. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 7405-7410	4.9	7
139	Synthesis of 3D-printed dielectric lens antennas via optimization of Geometrical Optics Ray Tracing <b>2017</b> ,		2
138	Worst-case sensitivity analysis (WCSA) by particle swarm optimization (PSO): Applications in realistic optimal antenna designs <b>2016</b> ,		1
137	Novel Antenna Designs and Characterization Methodologies for Medical Diagnostics and Sensing <b>2016</b> , 87-134		3
136	A hemispherical monopole rectenna array for multi-directional, multi-polarization, and multi-band ambient RF energy harvesting <b>2016</b> ,		3
135	Earth science RADAR CubeSat deployable Ka-band mesh reflector antenna <b>2016</b> ,		4
134	A spline-profiled conical horn antenna assembly optimized for deployable Ka-band offset reflector antennas in CubeSats <b>2016</b> ,		10
133	Circularly polarised half E-shaped patch antenna: a compact and fabrication-friendly design. <i>IET Microwaves, Antennas and Propagation</i> , <b>2016</b> , 10, 932-938	1.6	23
132	Special issue on antenna innovations for CubeSats and SmallSats. <i>IEEE Antennas and Propagation Magazine</i> , <b>2016</b> , 58, 123-123	1.7	
131	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 2083-2093	4.9	96
130	An ergonomic design for 3Tesla MRI neck coil <b>2016</b> ,		2
129	Ka band umbrella reflectors for CubeSats: Revisiting optimal feed location and gain loss <b>2016</b> ,		4
128	Characterization of Ka-band mesh surfaces for CubeSat reflector antennas: From simple wire grid model to complex knits <b>2016</b> ,		3
127	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2015</b> , 57, 86-96	1.7	66
126	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2497-2507	4.9	85
125	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2015</b> , 57, 85-95	1.7	44
124	Electromagnetic band gap-dipole sub-array antennas creating an enhanced tilted beams for future base station. <i>IET Microwaves, Antennas and Propagation</i> , <b>2015</b> , 9, 319-327	1.6	17

123	CubeSat deployable Ka-band reflector antenna for Deep Space missions <b>2015</b> ,		11
122	Dispersion engineered right/left-handed transmission lines enabling near-octave bandwidths for wideband CP patch arrays <b>2015</b> ,		6
121	Including design sensitivity into Particle Swarm Optimization: Adaptive gradient-based techniques <b>2015</b> ,		3
120	Circularly polarized textile antenna for 2.45 GHz <b>2015</b> ,		4
119	Embroidered textile antennas for wireless body-centric communication and sensing <b>2015</b> ,		1
118	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 1056-1064	4.9	104
117	Revisiting the generation of cross-polarization in rectangular patch antennas: A near-field approach. <i>IEEE Antennas and Propagation Magazine</i> , <b>2014</b> , 56, 14-38	1.7	44
116	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 4970-4979	4.9	68
115	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2014</b> , 56, 271-291	1.7	93
114	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2014</b> , 56, 79-103	1.7	48
113	A New Approach and Analysis of Modeling the Human Body in RFID-Enabled Body-Centric Wireless Systems. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-12	1.2	9
112	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2014</b> , 56, 16-42	1.7	10
111	Design and optimization of mm-size implantable and wearable on-body antennas for biomedical systems <b>2014</b> ,		11
110	Understanding the radiation pattern anomalies in the broadband CP reconfigurable E-shaped patch <b>2014</b> ,		3
109	Electro-textile UHF RFID patch antennas for positioning and localization applications <b>2014</b> ,		6
108	Embroidered RFID tags in body-centric communication <b>2013</b> ,		10
107	Sigmoid profiled septum: Evaluation of the parabolic reflector with the septum feed horn <b>2013</b> ,		4
106	Our Personal Selection of HF Techniques Books on Antennas and Scattering Problems. <i>IEEE Antennas and Propagation Magazine</i> , <b>2013</b> , 55, 72-79	1.7	

105	Design and Implementation of Electro-Textile Ground Planes for Wearable UHF RFID Patch Tag Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 964-967	3.8	55
104	Generalised correction to the Friis formula: quick determination of the coupling in the Fresnel region. <i>IET Microwaves, Antennas and Propagation</i> , <b>2013</b> , 7, 1092-1101	1.6	15
103	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2013</b> , 55, 17-19	1.7	7
102	Beam-tilted dipole-EBG array antenna for future base station applications <b>2013</b> ,		6
101	Impact of Moisture and Washing on the Performance of Embroidered UHF RFID Tags. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 1590-1593	3.8	37
100	Ensuring robust antenna designs using multiple diverse optimization techniques <b>2013</b> ,		2
99	Letter to the editor: Comment on special sections on diffraction: Guest editors' reply. <i>IEEE Antennas and Propagation Magazine</i> , <b>2013</b> , 55, 194-195	1.7	
98	THREE-PARAMETER ELLIPTICAL APERTURE DISTRIBUTIONS FOR SUM AND DIFFERENCE ANTENNA PATTERNS USING PARTICLE SWARM OPTIMIZATION. <i>Progress in Electromagnetics Research</i> , <b>2013</b> , 143, 709-743	3.8	1
97	Frequency reconfigurable wideband E-shaped patch antenna: Design, optimization, and measurements <b>2012</b> ,		7
96	C-shaped, E-shaped and U-slotted patch antennas: Size, bandwidth and cross-polarization characterizations <b>2012</b> ,		4
95	Nature-Inspired Optimization Techniques in Communication Antenna Designs. <i>Proceedings of the IEEE</i> , <b>2012</b> , 100, 2132-2144	14.3	44
94	Fabrication of embroidered UHF RFID tags <b>2012</b> ,		13
93	Practical read range evaluation of wearable embroidered UHF RFID tag <b>2012</b> ,		6
92	GTD, UTD, UAT and STD: A Historical Revisit <b>2012</b> ,		2
91	Characterization of embroidered dipole-type RFID tag antennas <b>2012</b> ,		19
90	Practical and Cost-Effective Bias Line Implementations for Reconfigurable Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1552-1555	3.8	11
89	Sewed textile RFID tag and sensor antennas for on-body use <b>2012</b> ,		24
88	Wireless Medical Telemetry Characterization for Ingestible Capsule Antenna Designs. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1679-1682	3.8	40

87	A comparative study of c-shaped, e-shaped, and u-slotted patch antennas. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 1746-1757	1.2	24
86	Subarray Design Diagnostics for the Suppression of Undesirable Grating Lobes. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 1373-1380	4.9	19
85	Platform tolerant and capsule-pill RFID antenna designs: An overview of recent developments at UCLA <b>2012</b> ,		1
84	Effects of Sewing Pattern on the Performance of Embroidered Dipole-Type RFID Tag Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1482-1485	3.8	39
83	Superquadric nanostructures for enhanced absorption in solar cells <b>2012</b> ,		1
82	Understanding the appearance of specular reflection in offset fed reflectarray antennas <b>2011</b> ,		9
81	Reflectarray antennas: An intuitive explanation of reflection phase behavior <b>2011</b> ,		1
80	A thin multi-slotted dual patch UHF-band metal-mountable RFID tag antenna. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 40-47	1.2	25
79	RF MEMS Switchable Slot Patch Antenna Integrated With Bias Network. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 4811-4815	4.9	25
78	Graphical visualization of reflectarray reflection phase response <b>2011</b> ,		2
77	Corrugated-Conical Horn Analysis Using Aperture Field With Quadratic Phase. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 3453-3457	4.9	5
76	Sub-array design diagnostics for the development of large uniform arrays <b>2011</b> ,		2
75	Micro-actuated pixel patch antenna design using particle swarm optimization <b>2011</b> ,		4
74	Investigation of semiconductor nanostructures photovoltaic for next generation solar cells <b>2011</b> ,		2
73	On-body RFID tag design for human monitoring applications <b>2010</b> ,		12
72	Microwave holography of reflector antennas in the Bi-polar planar near-field system: Simulations and measurements <b>2010</b> ,		1
71	Reflectarray phase analysis: A simple and intuitive understanding <b>2010</b> ,		4
70	Mutual coupling between two arbitrarily oriented and positioned antennas in near- and far-field regions <b>2010</b> ,		7



69	A Novel Beam Squint Compensation Technique for Circularly Polarized Conic-Section Reflector Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 307-317	4.9	8
68	Ingestible RFID bio-capsule tag design for medical monitoring <b>2010</b> ,		13
67	On the Reflection Characteristics of a Reflectarray Element with Low-Loss and High-Loss Substrates. <i>IEEE Antennas and Propagation Magazine</i> , <b>2010</b> , 52, 73-89	1.7	33
66	Aperture efficiency analysis of reflectarray antennas. <i>Microwave and Optical Technology Letters</i> , <b>2010</b> , 52, 364-372	1.2	91
65	Phaseless spherical near-field antenna measurements: Concept, algorithm and simulation. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , <b>2009</b> ,		12
64	A miniaturized ingestible antenna for capsule medical imaging system. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , <b>2009</b> ,		2
63	A compensated spherical reflector antenna using sub-reflectarrays. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 577-582	1.2	6
62	A transmit/receive twin-horn feed for spinning remote sensing reflector antennas. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 2505-2510	1.2	1
61	Reconfigurable E-shaped patch antennas <b>2009</b> ,		6
60	Tri-Mode Horn Feeds Revisited: Cross-Pol Reduction in Compact Offset Reflector Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2009</b> , 57, 2771-2775	4.9	16
59	A novel twin-horn feed for multi-beam remote sensing reflector antenna <b>2009</b> ,		1
58	Ingestible capsule antenna for bio-telemetry <b>2009</b> ,		2
57	Impedance measurements of various types of balanced antennas with the differential probe method <b>2009</b> ,		8
56	A novel conformal all-surface mount RFID tag antenna design. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , <b>2009</b> ,		2
55	The Spillover Effect on the Directivity Calculation of Reflector Antennas in Planar Near-field Measurements [Measurements Corner]. <i>IEEE Antennas and Propagation Magazine</i> , <b>2009</b> , 51, 124-134	1.7	6
54	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 3689-3699	4.9	89
53	Dielectric and Conductor Loss Quantification for Microstrip Reflectarray: Simulations and Measurements. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 1192-1196	4.9	26
52	A 4x6-element Ku-band dual-polarized patch antenna array for space SAR imaging: Design, diagnosis and measurement <b>2008</b> ,		2

51	Integration of RF MEMS switches with the reconfigurable reflectarray element: A novel patch-slot implementation <b>2008</b> ,		3
50	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2008</b> , 50, 121-130	1.7	12
49	Particle Swarm Optimization for Antenna Designs in Engineering Electromagnetics. <i>Journal of Artificial Evolution and Applications</i> , <b>2008</b> , 2008, 1-10		21
48	Textile antennas: Effect of antenna bending on radiation pattern and efficiency <b>2008</b> ,		9
47	On the uniqueness of planar near-field phaseless antenna measurements based on two amplitude-only measurements <b>2008</b> ,		3
46	Metamaterialists Meet in Marrakech, Morocco: A NATO Advanced Research Workshop. <i>IEEE Antennas and Propagation Magazine</i> , <b>2008</b> , 50, 183-186	1.7	
45	Loss quantification for microstrip reflectarray: Issue of high fields and currents <b>2008</b> ,		9
44	Integrated Antennas for Wireless Personal Communications <b>2008</b> , 1077-1142		2
43	Radiation from Commercially Viable Antennas for PCMCIA Cards Housed in Laptops <b>2007</b> ,		3
42	A new look at phaseless planar near-field measurements: limitations, simulations, measurements, and a hybrid solution. <i>IEEE Antennas and Propagation Magazine</i> , <b>2007</b> , 49, 170-178	1.7	43
41	Stacked Microstrip-Patch Arrays as Alternative Feeds for Spaceborne Reflector Antennas. <i>IEEE Antennas and Propagation Magazine</i> , <b>2007</b> , 49, 13-23	1.7	10
40	Reconfigurable patch-slot reflectarray elements using RF MEMS switches: A subreflector wavefront controller <b>2007</b> ,		3
39	Advances in Particle Swarm Optimization for Antenna Designs: Real-Number, Binary, Single-Objective and Multiobjective Implementations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 556-567	4.9	466
38	A novel miniaturized triband PIFA for MIMO applications. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 724-731	1.2	23
37	Integrated low-profile dual loop-dipole antennas using an embedded electromagnetic bandgap structure. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 1085-1089	1.2	5
36	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 2630-2643	8.1	30
35	Radiation Pattern of a 2.4/ 5.2GHz Laptop Internal Antenna: Near Field Spherical Range Measurements and Full Wave Analysis <b>2007</b> ,		3
34	Textile Antennas: Effects of Antenna Bending on Input Matching and Impedance Bandwidth. <i>IEEE Aerospace and Electronic Systems Magazine</i> , <b>2007</b> , 22, 18-22	2.4	44

33	A Miniaturized Elliptic-Card UWB Antenna With WLAN Band Rejection for Wireless Communications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 3326-3332	4.9	88
32	Modern Antenna Designs using Nature Inspired Optimization Techniques: Let Darwin and the bees help designing your Multi band MIMO antennas <b>2007</b> ,		7
31	Boundary Conditions in Particle Swarm Optimization Revisited. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 760-765	4.9	134
30	Frequency notched UWB elliptical dipole tag with multi-bit data scattering properties <b>2007</b> ,		12
29	Experimental Validation of Capacity Preserving Design for MIMO Arrays <b>2007</b> ,		5
28	Planar inverted-F antennas on implantable medical devices: Meandered type versus spiral type. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 567-572	1.2	34
27	Shaped-reflector antenna designs using particle swarm optimization: An example of a direct-broadcast satellite antenna. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 1341-1347	1.2	17
26	A novel dual-frequency dual-polarized stacked patch microstrip array feed for remote sensing reflector antennas. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 1250-1258	1.2	4
25	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2006</b> , 48, 33-46	1.7	20
24	An elliptic-card UWB antenna for wireless communications <b>2006</b> ,		3
23	Radiation characteristics of reflectarray antennas: Methodology and applicatios to dual configurations <b>2006</b> ,		5
22	Textile antennas: Effects of antenna bending on input matching and impedance bandwidth <b>2006</b> ,		18
21	Quasi-omnidirectional back-to-back E-shaped patch antenna for dual-band 2.4/5.2GHz laptop integrated wireless interface <b>2006</b> ,		1
20	Reconfigurable reflectarray element characterization <b>2006</b> ,		1
19	Implanted Antennas in Medical Wireless Communications. <i>Synthesis Lectures on Antennas</i> , <b>2006</b> , 1, 1-82	1	20
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17	WhipBIFA combination for handset application: A hybrid circuit model and full-wave analysis. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 44, 210-215	1.2	4
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13	Aluminum-Induced Crystallization of PECVD Amorphous Silicon. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 808, 155		2
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11	Polarization-dependent electromagnetic band gap (PDEBG) structures: Designs and applications. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 41, 439-444	1.2	51
10	Particle swarm optimization for reconfigurable phase-differentiated array design. <i>Microwave and Optical Technology Letters</i> , <b>2003</b> , 38, 168-175	1.2	168
9	Novel probe-feeding architectures for stacked microstrip patch antennas. <i>Microwave and Optical Technology Letters</i> , <b>2003</b> , 38, 467-475	1.2	11
8	Broadband Characterization of Complex Periodic EBG Structures: An FDTD/Prony Technique Based on the Split-Field Approach. <i>Electromagnetics</i> , <b>2003</b> , 23, 135-151	0.8	29
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