

Yahya Rahmat-Samii

List of Publications by Citations

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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	Advances in Particle Swarm Optimization for Antenna Designs: Real-Number, Binary, Single-Objective and Multiobjective Implementations. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 556-567	4.9	466
193	Particle swarm optimization for reconfigurable phase-differentiated array design. <i>Microwave and Optical Technology Letters</i> , 2003 , 38, 168-175	1.2	168
192	Boundary Conditions in Particle Swarm Optimization Revisited. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 760-765	4.9	134
191	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1056-1064	4.9	104
190	. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 2083-2093	4.9	96
189	. <i>IEEE Antennas and Propagation Magazine</i> , 2014 , 56, 271-291	1.7	93
188	Aperture efficiency analysis of reflectarray antennas. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 364-372	1.2	91
187	. <i>IEEE Antennas and Propagation Magazine</i> , 2017 , 59, 22-30	1.7	90
186	. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 3689-3699	4.9	89
185	A Miniaturized Elliptic-Card UWB Antenna With WLAN Band Rejection for Wireless Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 3326-3332	4.9	88
184	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 2497-2507	4.9	85
183	Patch antenna with switchable slot (PASS): Dual-frequency operation. <i>Microwave and Optical Technology Letters</i> , 2001 , 31, 165-168	1.2	79
182	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4970-4979	4.9	68
181	. <i>Proceedings of the IEEE</i> , 2018 , 106, 391-403	14.3	67
180	. <i>IEEE Antennas and Propagation Magazine</i> , 2015 , 57, 86-96	1.7	66
179	Design and Implementation of Electro-Textile Ground Planes for Wearable UHF RFID Patch Tag Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 964-967	3.8	55
178	A novel surface-wave antenna design using a thin periodically loaded ground plane. <i>Microwave and Optical Technology Letters</i> , 2005 , 47, 240-245	1.2	55

177	A low-profile circularly polarized curl antenna over an electromagnetic bandgap (EBG) surface. <i>Microwave and Optical Technology Letters</i> , 2001 , 31, 264-267	1.2	55
176	Polarization-dependent electromagnetic band gap (PDEBG) structures: Designs and applications. <i>Microwave and Optical Technology Letters</i> , 2004 , 41, 439-444	1.2	51
175	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> , 2019 , 67, 2886-2895	4.9	48
174	. <i>IEEE Antennas and Propagation Magazine</i> , 2014 , 56, 79-103	1.7	48
173	Revisiting the generation of cross-polarization in rectangular patch antennas: A near-field approach. <i>IEEE Antennas and Propagation Magazine</i> , 2014 , 56, 14-38	1.7	44
172	. <i>IEEE Antennas and Propagation Magazine</i> , 2015 , 57, 85-95	1.7	44
171	Nature-Inspired Optimization Techniques in Communication Antenna Designs. <i>Proceedings of the IEEE</i> , 2012 , 100, 2132-2144	14.3	44
170	Textile Antennas: Effects of Antenna Bending on Input Matching and Impedance Bandwidth. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2007 , 22, 18-22	2.4	44
169	A new look at phaseless planar near-field measurements: limitations, simulations, measurements, and a hybrid solution. <i>IEEE Antennas and Propagation Magazine</i> , 2007 , 49, 170-178	1.7	43
168	. <i>IEEE Antennas and Propagation Magazine</i> , 2017 , 59, 31-38	1.7	42
167	. <i>Proceedings of the IEEE</i> , 2018 , 106, 404-418	14.3	40
166	Wireless Medical Telemetry Characterization for Ingestible Capsule Antenna Designs. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1679-1682	3.8	40
165	Effects of Sewing Pattern on the Performance of Embroidered Dipole-Type RFID Tag Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1482-1485	3.8	39
164	Impact of Moisture and Washing on the Performance of Embroidered UHF RFID Tags. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1590-1593	3.8	37
163	Revisiting Orbital Angular Momentum Beams: Fundamentals, Reflectarray Generation, and Novel Antenna Applications. <i>IEEE Antennas and Propagation Magazine</i> , 2018 , 60, 68-81	1.7	34
162	A Systematic Investigation of Rectangular Patch Antenna Bending Effects for Wearable Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2219-2228	4.9	34
161	Planar inverted-F antennas on implantable medical devices: Meandered type versus spiral type. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 567-572	1.2	34
160	On the Reflection Characteristics of a Reflectarray Element with Low-Loss and High-Loss Substrates. <i>IEEE Antennas and Propagation Magazine</i> , 2010 , 52, 73-89	1.7	33

159	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007 , 45, 2630-2643	8.1	30
158	Broadband Characterization of Complex Periodic EBG Structures: An FDTD/Prony Technique Based on the Split-Field Approach. <i>Electromagnetics</i> , 2003 , 23, 135-151	0.8	29
157	Dielectric and Conductor Loss Quantification for Microstrip Reflectarray: Simulations and Measurements. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 1192-1196	4.9	26
156	Brain Storm Optimization for Electromagnetic Applications: Continuous and Discrete. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2710-2722	4.9	25
155	A thin multi-slotted dual patch UHF-band metal-mountable RFID tag antenna. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 40-47	1.2	25
154	RF MEMS Switchable Slot Patch Antenna Integrated With Bias Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 4811-4815	4.9	25
153	An End-to-End Implanted BrainMachine Interface Antenna System Performance Characterizations and Development. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 3399-3408	4.9	24
152	Sewed textile RFID tag and sensor antennas for on-body use 2012 ,		24
151	A comparative study of c-shaped, e-shaped, and u-slotted patch antennas. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1746-1757	1.2	24
150	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> , 2019 , 67, 3657-3669	4.9	23
149	Circularly polarised half E-shaped patch antenna: a compact and fabrication-friendly design. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 932-938	1.6	23
148	A novel miniaturized triband PIFA for MIMO applications. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 724-731	1.2	23
147	Particle Swarm Optimization for Antenna Designs in Engineering Electromagnetics. <i>Journal of Artificial Evolution and Applications</i> , 2008 , 2008, 1-10		21
146	. <i>IEEE Antennas and Propagation Magazine</i> , 2006 , 48, 33-46	1.7	20
145	Implanted Antennas in Medical Wireless Communications. <i>Synthesis Lectures on Antennas</i> , 2006 , 1, 1-82	1	20
144	A Novel Collapsible Flat-Layered Metamaterial Gradient-Refractive-Index Lens Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1312-1321	4.9	20
143	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6254-6266	4.9	19
142	Characterization of embroidered dipole-type RFID tag antennas 2012 ,		19

141	Subarray Design Diagnostics for the Suppression of Undesirable Grating Lobes. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 1373-1380	4.9	19
140	Textile antennas: Effects of antenna bending on input matching and impedance bandwidth 2006 ,		18
139	Modified Born Iterative Method in Medical Electromagnetic Tomography Using Magnetic Field Fluctuation Contrast Source Operator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 454-463	4.1	18
138	Electromagnetic band gap-dipole sub-array antennas creating an enhanced tilted beams for future base station. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 319-327	1.6	17
137	Shaped-reflector antenna designs using particle swarm optimization: An example of a direct-broadcast satellite antenna. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1341-1347	1.2	17
136	Tri-Mode Horn Feeds Revisited: Cross-Pol Reduction in Compact Offset Reflector Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 2771-2775	4.9	16
135	Generalised correction to the Friis formula: quick determination of the coupling in the Fresnel region. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 1092-1101	1.6	15
134	Robust Optimization With Worst Case Sensitivity Analysis Applied to Array Synthesis and Antenna Designs. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 160-171	4.9	14
133	A Rapid Medical Microwave Tomography Based on Partial Differential Equations. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5521-5535	4.9	14
132	Fabrication of embroidered UHF RFID tags 2012 ,		13
131	Ingestible RFID bio-capsule tag design for medical monitoring 2010 ,		13
130	Three-Dimensionally Printed, Shaped, Engineered Material Inhomogeneous Lens Antennas for Next-Generation Spaceborne Weather Radar Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2080-2084	3.8	13
129	On-body RFID tag design for human monitoring applications 2010 ,		12
128	Phaseless spherical near-field antenna measurements: Concept, algorithm and simulation. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		12
127	. <i>IEEE Antennas and Propagation Magazine</i> , 2008 , 50, 121-130	1.7	12
126	Frequency notched UWB elliptical dipole tag with multi-bit data scattering properties 2007 ,		12
125	Standard and micro Genetic Algorithm optimization of profiled corrugated horn antennas. <i>Microwave and Optical Technology Letters</i> , 2002 , 35, 449-453	1.2	12
124	CubeSat deployable Ka-band reflector antenna for Deep Space missions 2015 ,		11

123	Design and optimization of mm-size implantable and wearable on-body antennas for biomedical systems 2014 ,		11
122	Practical and Cost-Effective Bias Line Implementations for Reconfigurable Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1552-1555	3.8	11
121	Novel probe-feeding architectures for stacked microstrip patch antennas. <i>Microwave and Optical Technology Letters</i> , 2003 , 38, 467-475	1.2	11
120	A Novel Flexible Electrotexile 3T MRI RF Coil Array for Carotid Artery Imaging: Design, Characterization, and Prototyping. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5115-5125	4.9	11
119	A spline-profiled conical horn antenna assembly optimized for deployable Ka-band offset reflector antennas in CubeSats 2016 ,		10
118	Embroidered RFID tags in body-centric communication 2013 ,		10
117	. <i>IEEE Antennas and Propagation Magazine</i> , 2014 , 56, 16-42	1.7	10
116	Stacked Microstrip-Patch Arrays as Alternative Feeds for Spaceborne Reflector Antennas. <i>IEEE Antennas and Propagation Magazine</i> , 2007 , 49, 13-23	1.7	10
115	3-D Printed Microfluidics Channelizing Liquid Metal for Multipolarization Reconfigurable Extended E-Shaped Patch Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6867-6878	4.9	10
114	Miniature Coplanar Implantable Antenna on Thin and Flexible Platform for Fully Wireless Intracranial Pressure Monitoring System. <i>International Journal of Antennas and Propagation</i> , 2017 , 2017, 1-9	1.2	9
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> , 2014 , 2014, 1-12	1.2	9
112	Understanding the appearance of specular reflection in offset fed reflectarray antennas 2011 ,		9
111	Textile antennas: Effect of antenna bending on radiation pattern and efficiency 2008 ,		9
110	Loss quantification for microstrip reflectarray: Issue of high fields and currents 2008 ,		9
109	A Novel Beam Squint Compensation Technique for Circularly Polarized Conic-Section Reflector Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 307-317	4.9	8
108	Impedance measurements of various types of balanced antennas with the differential probe method 2009 ,		8
107	Novel Coordinate System and Rotation Transformations for Antenna Applications. <i>Electromagnetics</i> , 1995 , 15, 17-40	0.8	8
106	A Crossed Dipole Phased Array Antenna Architecture With Enhanced Polarization and Isolation Characteristics. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4469-4478	4.9	7

105	Synthesis and Analysis of Low Profile, Metal-Only Stepped Parabolic Reflector Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2788-2798	4.9	7
104	Top-cross-loop improving the performance of the UWB planar monopole antennas. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 2432-2440	1.2	7
103	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> , 2017 , 65, 7405-7410	4.9	7
102	Frequency reconfigurable wideband E-shaped patch antenna: Design, optimization, and measurements 2012 ,		7
101	. <i>IEEE Antennas and Propagation Magazine</i> , 2013 , 55, 17-19	1.7	7
100	Mutual coupling between two arbitrarily oriented and positioned antennas in near- and far-field regions 2010 ,		7
99	Modern Antenna Designs using Nature Inspired Optimization Techniques: Let Darwin and the bees help designing your Multi band MIMO antennas 2007 ,		7
98	Dispersion engineered right/left-handed transmission lines enabling near-octave bandwidths for wideband CP patch arrays 2015 ,		6
97	Electro-textile UHF RFID patch antennas for positioning and localization applications 2014 ,		6
96	Practical read range evaluation of wearable embroidered UHF RFID tag 2012 ,		6
95	Beam-tilted dipole-EBG array antenna for future base station applications 2013 ,		6
94	A compensated spherical reflector antenna using sub-reflectarrays. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 577-582	1.2	6
93	Reconfigurable E-shaped patch antennas 2009 ,		6
92	The Spillover Effect on the Directivity Calculation of Reflector Antennas in Planar Near-field Measurements [Measurements Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2009 , 51, 124-134	1.7	6
91	. <i>IEEE Antennas and Propagation Magazine</i> , 2017 , 59, 16-127	1.7	5
90	Corrugated-Conical Horn Analysis Using Aperture Field With Quadratic Phase. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 3453-3457	4.9	5
89	Integrated low-profile dual loop-dipole antennas using an embedded electromagnetic bandgap structure. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 1085-1089	1.2	5
88	Radiation characteristics of reflectarray antennas: Methodology and applicatios to dual configurations 2006 ,		5

87	Experimental Validation of Capacity Preserving Design for MIMO Arrays 2007 ,		5
86	Fractal Yagi antennas: Design, simulation, and fabrication. <i>Microwave and Optical Technology Letters</i> , 2004 , 41, 375-380	1.2	5
85	RF characteristics of spaceborne antenna mesh reflecting surfaces: Application of periodic method of moments. <i>Microwave and Optical Technology Letters</i> , 2005 , 47, 365-370	1.2	5
84	Control of resonant bandwidth in frequency-selective surfaces by tilting the periodic elements. <i>Microwave and Optical Technology Letters</i> , 1999 , 21, 114-117	1.2	5
83	Earth science RADAR CubeSat deployable Ka-band mesh reflector antenna 2016 ,		4
82	Sigmoid profiled septum: Evaluation of the parabolic reflector with the septum feed horn 2013 ,		4
81	Circularly polarized textile antenna for 2.45 GHz 2015 ,		4
80	C-shaped, E-shaped and U-slotted patch antennas: Size, bandwidth and cross-polarization characterizations 2012 ,		4
79	Reflectarray phase analysis: A simple and intuitive understanding 2010 ,		4
78	Micro-actuated pixel patch antenna design using particle swarm optimization 2011 ,		4
77	A novel dual-frequency dual-polarized stacked patch microstrip array feed for remote sensing reflector antennas. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1250-1258	1.2	4
76	WhipPIFA combination for handset application: A hybrid circuit model and full-wave analysis. <i>Microwave and Optical Technology Letters</i> , 2005 , 44, 210-215	1.2	4
75	Enabling the Internet of Things With CubeSats: A Review of Representative Beamsteerable Antenna Concepts. <i>IEEE Antennas and Propagation Magazine</i> , 2020 , 0-0	1.7	4
74	Ka band umbrella reflectors for CubeSats: Revisiting optimal feed location and gain loss 2016 ,		4
73	Compact Dual-Band PIFA Based on a Slotted Radiator for Wireless Biomedical Implants 2019 ,		4
72	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> , 2017 , 59, 50-61	1.7	3
71	Synthesizing thin dielectric lenses for conical scanning beams: A hybrid numerical algorithm 2017 ,		3
70	Electro-textiles as potential candidate of flexible MRI RF coil for stroke prevention 2017 ,		3

69	Novel Antenna Designs and Characterization Methodologies for Medical Diagnostics and Sensing 2016 , 87-134		3
68	A hemispherical monopole rectenna array for multi-directional, multi-polarization, and multi-band ambient RF energy harvesting 2016 ,		3
67	Integration of electro-textile RF coil array with magnetic resonance imaging (MRI) system: Design strategies and characterization methods 2018 ,		3
66	Including design sensitivity into Particle Swarm Optimization: Adaptive gradient-based techniques 2015 ,		3
65	Understanding the radiation pattern anomalies in the broadband CP reconfigurable E-shaped patch 2014 ,		3
64	Integration of RF MEMS switches with the reconfigurable reflectarray element: A novel patch-slot implementation 2008 ,		3
63	On the uniqueness of planar near-field phaseless antenna measurements based on two amplitude-only measurements 2008 ,		3
62	Radiation from Commercially Viable Antennas for PCMCIA Cards Housed in Laptops 2007 ,		3
61	Reconfigurable patch-slot reflectarray elements using RF MEMS switches: A subreflector wavefront controller 2007 ,		3
60	An elliptic-card UWB antenna for wireless communications 2006 ,		3
59	Radiation Pattern of a 2.4/ 5.2GHz Laptop Internal Antenna: Near Field Spherical Range Measurements and Full Wave Analysis 2007 ,		3
58	Characterization of Ka-band mesh surfaces for CubeSat reflector antennas: From simple wire grid model to complex knits 2016 ,		3
57	Revisiting the Appearance of Grating Lobes for Antennas With Circular Periodicity. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5723-5728	4.9	2
56	3D-Printed Inhomogeneous Dielectric Lens Antenna Diagnostics: A Tool for Assessing Lenses Misprinted Due to Fabrication Tolerances. <i>IEEE Antennas and Propagation Magazine</i> , 2020 , 62, 49-61	1.7	2
55	A novel differential inverse scattering methodology in biomedical imaging 2017 ,		2
54	Synthesis of 3D-printed dielectric lens antennas via optimization of Geometrical Optics Ray Tracing 2017 ,		2
53	GTD, UTD, UAT and STD: A Historical Revisit 2012 ,		2
52	Ensuring robust antenna designs using multiple diverse optimization techniques 2013 ,		2

51	Graphical visualization of reflectarray reflection phase response 2011 ,		2
50	A miniaturized ingestible antenna for capsule medical imaging system. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		2
49	Sub-array design diagnostics for the development of large uniform arrays 2011 ,		2
48	Investigation of semiconductor nanostructures photovoltaic for next generation solar cells 2011 ,		2
47	Ingestible capsule antenna for bio-telemetry 2009 ,		2
46	A novel conformal all-surface mount RFID tag antenna design. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		2
45	A 416-element Ku-band dual-polarized patch antenna array for space SAR imaging: Design, diagnosis and measurement 2008 ,		2
44	Integrated Antennas for Wireless Personal Communications 2008 , 1077-1142		2
43	On the Applicability of Simplified Spherical Human Heads for Implanted Antennas in Biomedical Communications. <i>Electromagnetics</i> , 2005 , 25, 491-511	0.8	2
42	Aluminum-Induced Crystallization of PECVD Amorphous Silicon. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 808, 155		2
41	Characterization of antennas for personal wireless communications applications. <i>International Journal of Wireless Information Networks</i> , 1994 , 1, 165-176	1.9	2
40	Adaptive Beamforming by compact Arrays Using Evolutionary Optimization of Schelkunoff Polynomials. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	2
39	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> , 2021 , 63, 102-115	1.7	2
38	Beam Steerable Reflectarray Enabling CubeSat Internet of Space: Conceptualization and Design (Invited Paper) 2020 ,		2
37	An ergonomic design for 3Tesla MRI neck coil 2016 ,		2
36	Novel Metal Only, Low Profile, High Gain Stepped Reflector Antennas for Future 5G mmWave and CubeSat Applications 2018 ,		2
35	An end-to-end optimization approach to drastically reduce cross-polarization in offset mmWave reflector antennas 2017 ,		1
34	Worst-case sensitivity analysis (WCSA) by particle swarm optimization (PSO): Applications in realistic optimal antenna designs 2016 ,		1

33	2019,		1
32	Embroidered textile antennas for wireless body-centric communication and sensing 2015,		1
31	THREE-PARAMETER ELLIPTICAL APERTURE DISTRIBUTIONS FOR SUM AND DIFFERENCE ANTENNA PATTERNS USING PARTICLE SWARM OPTIMIZATION. <i>Progress in Electromagnetics Research</i> , 2013 , 143, 709-743	3.8	1
30	Reflectarray antennas: An intuitive explanation of reflection phase behavior 2011,		1
29	Microwave holography of reflector antennas in the Bi-polar planar near-field system: Simulations and measurements 2010,		1
28	A transmit/receive twin-horn feed for spinning remote sensing reflector antennas. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 2505-2510	1.2	1
27	Platform tolerant and capsule-pill RFID antenna designs: An overview of recent developments at UCLA 2012,		1
26	Superquadric nanostructures for enhanced absorption in solar cells 2012,		1
25	A novel twin-horn feed for multi-beam remote sensing reflector antenna 2009,		1
24	Quasi-omnidirectional back-to-back E-shaped patch antenna for dual-band 2.4/5.2GHz laptop integrated wireless interface 2006,		1
23	Reconfigurable reflectarray element characterization 2006,		1
22	The physical theory of slope diffraction. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 1995 , 50, 487-498	2	1
21	Flat Meta-Lens Antenna Synthesis Via Geometrical Optics and Particle Swarm Optimization 2020,		1
20	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> , 2021 , 2021, 1-13	1.2	1
19	3D-Printed Shaped and Material-Optimized Lenses for Next-Generation Spaceborne Wind Scatterometer Weather Radars. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
18	STEP-LIKE STRUCTURES IN ELECTROSTATIC AND ELECTRODYNAMIC IMPLEMENTATION OF METHOD OF MOMENTS: SOME UNIQUE OBSERVATIONS. <i>Progress in Electromagnetics Research B</i> , 2019 , 85, 27-48	0.7	1
17	Small Multi-Resonant Meandered PIFA for Brain Implant Communications 2019,		1
16	Antennas and Wireless Power Transfer for Brain-Implantable Sensors 2021 , 91-143		1

15	Calculation of Mutual Coupling between Two Antennas of Diverse Displacements and Polarizations 2018 ,		1
14	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> , 2021 , 69, 5078-5083	4.9	1
13	. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2021 , 1-1	2.8	1
12	Embroidery Electro-Textile Patch Antenna Modeling and Optimization Strategies with Improved Accuracy and Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
11	K-band Circularly Polarized Beam Steerable Reflectarray Enabling Internet of Space: Conceptualization and Validation. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
10	Remembering Joseph B. Keller: The Father of the Geometrical Theory of Diffraction [Historical Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2018 , 60, 120-121	1.7	
9	Special issue on antenna innovations for CubeSats and SmallSats. <i>IEEE Antennas and Propagation Magazine</i> , 2016 , 58, 123-123	1.7	
8	Our Personal Selection of HF Techniques Books on Antennas and Scattering Problems. <i>IEEE Antennas and Propagation Magazine</i> , 2013 , 55, 72-79	1.7	
7	Letter to the editor: Comment on special sections on diffraction: Guest editors' reply. <i>IEEE Antennas and Propagation Magazine</i> , 2013 , 55, 194-195	1.7	
6	Metamaterialists Meet in Marrakech, Morocco: A NATO Advanced Research Workshop. <i>IEEE Antennas and Propagation Magazine</i> , 2008 , 50, 183-186	1.7	
5	Consideration of SAR and TRP in handset antenna designs at 1900-MHz band. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 569-573	1.2	
4	Fundamentals of Orbital Angular Momentum Beams 2021 , 1-32		
3	Ultraflexible Electrotexile Magnetic Resonance Imaging (MRI) Radio-Frequency Coils 2021 , 11-41		
2	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> , 2021 , 69, 1235-1235	4.9	
1	Appendix A Antennas and Sensors for Medical Applications: A Representative Literature Review 2021 , 547-583		