

# Nader Behdad

## List of Publications by Citations

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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

4,871  
citations

36  
h-index

65  
g-index

215  
ext. papers

6,139  
ext. citations

3.6  
avg, IF

6.39  
L-index

#	Paper	IF	Citations
167	Beamspace MIMO for Millimeter-Wave Communications: System Architecture, Modeling, Analysis, and Measurements. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 3814-3827	4.9	475
166	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 1239-1245	4.9	362
165	Dual-band reconfigurable antenna with a very wide tunability range. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2006</b> , 54, 409-416	4.9	232
164	A New Technique for Design of Low-Profile, Second-Order, Bandpass Frequency Selective Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2009</b> , 57, 452-459	4.9	191
163	A varactor-tuned dual-band slot antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2006</b> , 54, 401-408	4.9	176
162	A Generalized Method for Synthesizing Low-Profile, Band-Pass Frequency Selective Surfaces With Non-Resonant Constituting Elements. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 4033-4041	4.9	163
161	Wideband Planar Microwave Lenses Using Sub-Wavelength Spatial Phase Shifters. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 4542-4552	4.9	159
160	Wideband Linear-to-Circular Polarization Converters Based on Miniaturized-Element Frequency Selective Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 525-534	4.9	124
159	Broadband True-Time-Delay Microwave Lenses Based on Miniaturized Element Frequency Selective Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 1166-1179	4.9	118
158	MRI-Derived 3-D-Printed Breast Phantom for Microwave Breast Imaging Validation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1610-1613	3.8	91
157	A Second-Order Dual X-/Ka-Band Frequency Selective Surface. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2008</b> , 18, 785-787	2.6	87
156	Wideband True-Time-Delay Microwave Lenses Based on Metallo-Dielectric and All-Dielectric Lowpass Frequency Selective Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 4109-4119	4.9	85
155	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 4042-4050	4.9	84
154	Fluidically Tunable Frequency Selective/Phase Shifting Surfaces for High-Power Microwave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2748-2759	4.9	78
153	A wide-band slot antenna design employing a fictitious short circuit concept. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2005</b> , 53, 475-482	4.9	75
152	A compact antenna for ultrawide-band applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2005</b> , 53, 2185-2192	4.9	75
151	Liquid-Tunable Frequency Selective Surfaces. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2010</b> , 20, 423-425	2.6	72

150	Continuous aperture phased MIMO: Basic theory and applications <b>2010</b> ,		69
149	Bandwidth enhancement and further size reduction of a class of miniaturized slot antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2004</b> , 52, 1928-1935	4.9	67
148	A Generalized Synthesis Procedure for Low-Profile, Frequency Selective Surfaces With Odd-Order Bandpass Responses. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 2460-2464	4.9	66
147	Harmonic-Suppressed Miniaturized-Element Frequency Selective Surfaces With Higher Order Bandpass Responses. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2562-2571	4.9	63
146	Flexible high-frequency microwave inductors and capacitors integrated on a polyethylene terephthalate substrate. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 013509	3.4	62
145	Design of Wideband, FSS-Based MultiBeam Antennas Using the Effective Medium Approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5557-5564	4.9	57
144	Multi-Band Miniaturized Patch Antennas for a Compact, Shielded Microwave Breast Imaging Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 62, 1221-1231	4.9	55
143	A second-order band-pass frequency selective surface using nonresonant subwavelength periodic structures. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 1639-1643	1.2	55
142	Ultra-Wideband, True-Time-Delay Reflectarray Antennas Using Ground-Plane-Backed, Miniaturized-Element Frequency Selective Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 534-542	4.9	53
141	Microwave ablation at 10.0 GHz achieves comparable ablation zones to 1.9 GHz in ex vivo bovine liver. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 1702-10	5	51
140	Frequency Selective Surfaces for Pulsed High-Power Microwave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 677-687	4.9	50
139	A Dual-Band, Inductively Coupled Miniaturized-Element Frequency Selective Surface With Higher Order Bandpass Response. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 3729-3734	4.9	47
138	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 959-965	4.9	46
137	Bandwidth Enhancement of Platform-Mounted HF Antennas Using the Characteristic Mode Theory. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 2648-2659	4.9	45
136	Inductively-Coupled Miniaturized-Element Frequency Selective Surfaces With Narrowband, High-Order Bandpass Responses. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 4766-4774	4.9	44
135	A Wideband, Dual-Polarized, Substrate-Integrated Cavity-Backed Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 645-648	3.8	44
134	Dual-Band Miniaturized Patch Antennas for Microwave Breast Imaging. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 268	3.8	44
133	A Compact Parylene-Coated WLAN Flexible Antenna for Implantable Electronics. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 1382-1385	3.8	40

132	Subwavelength angle-sensing photodetectors inspired by directional hearing in small animals. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 1143-1147	28.7	40
131	A High-Isolation, Ultra-Wideband Simultaneous Transmit and Receive Antenna With Monopole-Like Radiation Characteristics. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1002-1007	4.9	36
130	A Very Low-Profile, Omnidirectional, Ultrawideband Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 280-283	3.8	36
129	A Decoupling and Matching Network Design for Single- and Dual-Band Two-Element Antenna Arrays. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 3986-3999	4.1	35
128	The impact of frequency on the performance of microwave ablation. <i>International Journal of Hyperthermia</i> , <b>2017</b> , 33, 61-68	3.7	33
127	Continuous aperture phased MIMO: A new architecture for optimum line-of-sight links <b>2011</b> ,		33
126	A Compact, Capacitively Fed UWB Antenna With Monopole-Like Radiation Characteristics. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 1026-1037	4.9	30
125	A Low-Profile, Vertically Polarized Ultrawideband Antenna With Monopole-Like Radiation Characteristics. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 3699-3705	4.9	30
124	An Electrically Small, Vertically Polarized Ultrawideband Antenna With Monopole-Like Radiation Characteristics. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 742-745	3.8	30
123	A Wideband, Unidirectional Circularly Polarized Antenna for Full-Duplex Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1559-1563	4.9	28
122	Biomimetic Antenna Arrays Based on the Directional Hearing Mechanism of the Parasitoid Fly <i>Ormia Ochracea</i> . <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 2500-2510	4.9	27
121	A Compact, Broadband Spiral Antenna With Unidirectional Circularly Polarized Radiation Patterns. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2776-2781	4.9	26
120	Biologically Inspired Electrically Small Antenna Arrays With Enhanced Directional Sensitivity. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 361-364	3.8	26
119	Compact parylene-c-coated flexible antenna for WLAN and upper-band UWB applications. <i>Electronics Letters</i> , <b>2014</b> , 50, 1782-1784	1.1	25
118	A Third-Order Bandpass Frequency Selective Surface With a Tunable Transmission Null. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2109-2113	4.9	24
117	Metamaterial-Inspired Vacuum Electron Devices and Accelerators. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 207-218	2.9	23
116	A Hybrid Slot/Monopole Antenna With Directional Heating Patterns for Microwave Ablation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 3889-3896	4.9	21
115	A Wideband, Single-Layer Reflectarray Exploiting a Polarization Rotating Unit Cell. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 872-883	4.9	20

114	Exploiting Mechanical Flexure as a Means of Tuning the Responses of Large-Scale Periodic Structures. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 933-943	4.9	19
113	Broadband True-Time-Delay Circularly Polarized Reflectarray With Linearly Polarized Feed. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 4891-4896	4.9	19
112	A Minimally Invasive Coax-Fed Microwave Ablation Antenna With a Tapered Balun. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 7280-7287	4.9	18
111	An Improved Architecture for Two-Element Biomimetic Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 6224-6228	4.9	18
110	Reduced-Diameter Designs of Coax-Fed Microwave Ablation Antennas Equipped With Baluns. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1385-1388	3.8	16
109	A Compact, Low-Profile Simultaneous Transmit and Receive Antenna With Monopole-Like Radiation Characteristics. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 611-615	3.8	16
108	Dielectric properties of 3D-printed materials for anatomy specific 3D-printed MRI coils. <i>Journal of Magnetic Resonance</i> , <b>2018</b> , 289, 113-121	3	16
107	A Hybrid Miniaturized-Element Frequency Selective Surface With a Third-Order Bandpass Response. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 708-711	3.8	15
106	A 2.45-GHz Electrically Small Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2008</b> , 7, 346-348	3.8	15
105	Design of Platform-Based HF Direction-Finding Antennas Using the Characteristic Mode Theory. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 1417-1427	4.9	15
104	A Fluidically Tunable, Dual-Band Patch Antenna With Closely Spaced Bands of Operation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 118-121	3.8	14
103	A TSVD Analysis of the Impact of Polarization on Microwave Breast Imaging using an Enclosed Array of Miniaturized Patch Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 418-421	3.8	14
102	A Two-Element Biomimetic Antenna Array With Enhanced Angular Resolution and Optimized Power Extraction. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 1059-1066	4.9	14
101	Wideband Transmitarrays Based on Polarization- Rotating Miniaturized-Element Frequency Selective Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2128-2137	4.9	14
100	Metamaterial-Enhanced Resistive Wall Amplifiers: Theory and Particle-in-Cell Simulations. <i>IEEE Transactions on Plasma Science</i> , <b>2015</b> , 43, 2123-2131	1.3	13
99	Wideband, Non-Foster Impedance Matching of Electrically Small Transmitting Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5687-5697	4.9	13
98	Investigating the Impact of Microwave Breakdown on the Responses of High-Power Microwave Metamaterials. <i>IEEE Transactions on Plasma Science</i> , <b>2013</b> , 41, 2992-3000	1.3	13
97	Quantitative Microwave Imaging of Realistic Numerical Breast Phantoms Using an Enclosed Array of Multiband, Miniaturized Patch Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1626-1629	3.8	13

96	A broadband, circular-polarization selective surface. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 244901	2.5	13
95	Tools for Attacking Tumors: Performance Comparison of Triaxial, Choke Dipole, and Balun-Free Base-Fed Monopole Antennas for Microwave Ablation. <i>IEEE Antennas and Propagation Magazine</i> , <b>2018</b> , 60, 52-57	1.7	13
94	A Fluidic Colorimetric Sensor Design for Water Hardness Detection. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 819-826	1.7	12
93	A New Reconfigurable Antenna MIMO Architecture for mmWave Communication <b>2018</b> ,		12
92	A mechanically based magneto-inductive transmitter with electrically modulated reluctance. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199934	3.7	12
91	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5052-5060	4.9	11
90	Characterizations of biodegradable epoxy-coated cellulose nanofibrils (CNF) thin film for flexible microwave applications. <i>Cellulose</i> , <b>2016</b> , 23, 1989-1995	5.5	11
89	A Concurrently Dual-Polarized, Simultaneous Transmit and Receive (STAR) Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5935-5944	4.9	11
88	Design of Bandwidth-Enhanced Platform-Mounted Electrically Small VHF Antennas Using the Characteristic-Mode Theory. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 2384-2388	3.8	11
87	Design Method for Low-Profile, Harmonic-Suppressed Filter-Antennas Using Miniaturized-Element Frequency Selective Surfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 427-431	3.8	10
86	Wideband, Beam-Steerable Reflectarrays Based on Minimum-Switch Topology, Polarization-Rotating Unit Cells. <i>IEEE Access</i> , <b>2019</b> , 7, 36568-36578	3.5	10
85	Non-coaxial-based microwave ablation antennas for creating symmetric and asymmetric coagulation zones. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 214903	2.5	10
84	The Performance of Higher Frequency Microwave Ablation in the Presence of Perfusion. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 257-262	5	10
83	Biomimetic electrically small antennas. <i>Electronics Letters</i> , <b>2010</b> , 46, 1650	1.1	10
82	MAcro-Electro-Mechanical Systems (MMS) based concept for microwave beam steering in reflectarray antennas. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 054901	2.5	10
81	Metamaterial-Enhanced Resistive Wall Amplifier Design Using Periodically Spaced Inductive Meandered Lines. <i>IEEE Transactions on Plasma Science</i> , <b>2016</b> , 44, 2476-2484	1.3	10
80	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2018</b> , 60, 32-44	1.7	10
79	Dual-band platform-mounted HF/VHF antenna design using the characteristic mode theory. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 452-458	1.6	9

78	A Small-Aperture, Ultrawideband HF/VHF Direction-Finding System For Unmanned Aerial Vehicles. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5109-5120	4.9	9
77	Metamaterials for Rapidly Forming Large-Area Distributed Plasma Discharges for High-Power Microwave Applications. <i>IEEE Transactions on Plasma Science</i> , <b>2015</b> , 43, 4099-4109	1.3	9
76	Investigating the Physics of Simultaneous Breakdown Events in High-Power-Microwave (HPM) Metamaterials With Multiresonant Unit Cells and Discrete Nonlinear Responses. <i>IEEE Transactions on Plasma Science</i> , <b>2014</b> , 42, 1255-1264	1.3	8
75	A Wide Dynamic Range Polarization Sensing Long Wave Infrared Detector. <i>Scientific Reports</i> , <b>2017</b> , 7, 17475	4.9	8
74	Architecture, Design, and Nonlinear Optimization of Three-Element Biomimetic Antenna Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 1416-1419	3.8	8
73	Inductive Meandered Metal Line Metamaterial for Rectangular Waveguide Linings. <i>IEEE Transactions on Plasma Science</i> , <b>2017</b> , 45, 654-664	1.3	7
72	THEORETICAL EXAMINATION OF ELECTROMAGNETIC WAVE TUNNELING THROUGH CASCADED POSITIVE AND NEGATIVE METAMATERIAL SLABS. <i>Progress in Electromagnetics Research B</i> , <b>2012</b> , 42, 1-22	0.7	7
71	Ultra-wideband, true-time-delay, metamaterial-based microwave lenses <b>2012</b> ,		7
70	Mechanically Reconfigurable, Beam-Scanning Reflectarray and Transmitarray Antennas: A Review. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6890	2.6	7
69	A Three-Element Biomimetic Antenna Array With an Electrically Small Triangular Lattice. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4007-4016	4.9	6
68	Large-Scale Fluidic Tuning of Subwavelength Periodic Structures. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 190-193	3.8	6
67	2-Bit Phase Quantization Using Mixed Polarization-Rotation/Non-Polarization- Rotation Reflection Modes for Beam-Steerable Reflectarrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7937-7946	4.9	6
66	Design of Dual-Polarized, Platform-Based HF Antennas Using the Characteristic Mode Theory. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5130-5141	4.9	6
65	An Electronically Tunable Biomimetic Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1248-1257	4.9	6
64	X-band, mechanically-beam-steerable lens antenna exploiting the Risley prism concept. <i>IET Microwaves, Antennas and Propagation</i> , <b>2020</b> , 14, 1902-1908	1.6	6
63	Array Sensitivity for Model-Based Microwave Breast Imaging. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 2958-2965	4.9	5
62	An Angle-Sensing Infrared Detector Using a Two-Element Biomimetic Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5818-5826	4.9	5
61	A compact dual-/multi-band wireless LAN antenna		5

60	Rapid development of application-specific flexible MRI receive coils. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 19NT01	3.8	5
59	Mechanical Super-Low Frequency (SLF) Transmitter Using Electrically-Modulated Reluctance <b>2018</b> ,		5
58	A Multibeam Tapered Cylindrical Luneburg Lens. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5060-5065	4.9	5
57	Design of vehicle-mounted, compact VHF antennas using characteristic mode theory <b>2017</b> ,		4
56	Electrically Small Platform-Based Antennas for an Unmanned Ground Vehicle. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5189-5198	4.9	4
55	Wide Dynamic Range, Angle-Sensing, Long-Wave Infrared Detector Using Nano-Antenna Arrays. <i>Scientific Reports</i> , <b>2020</b> , 10, 2488	4.9	4
54	An Analytic Synthesis Method for Two-Element Biomimetic Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2797-2809	4.9	4
53	A Low-Profile, Wideband Antenna With Vertically Polarized Directional Radiation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 1093-1096	3.8	4
52	Thermoelectric Powered Wireless Sensors for Dry-Cask Storage. <i>IEEE Transactions on Nuclear Science</i> , <b>2013</b> , 60, 1072-1079	1.7	4
51	Investigating the effective range of vacuum ultraviolet-mediated breakdown in high-power microwave metamaterials. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 143302	2.5	4
50	Design of a microwave breast imaging array composed of dual-band miniaturized antennas <b>2011</b> ,		4
49	Biologically-inspired antenna arrays based on the hearing mechanism of the parasitoid fly <i>Ormia Ochracea</i> <b>2011</b> ,		4
48	Reverse chromatic aberration and its numerical optimization in a metamaterial lens. <i>Optics Express</i> , <b>2012</b> , 20, 8761-9	3.3	4
47	Ex Vivo Performance of a Flexible Microwave Ablation Antenna. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , 68, 1680-1689	5	4
46	Capacity-enhancement in MIMO systems using biomimetic electrically small antenna arrays. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 2001-2006	1.6	4
45	Ultrawideband, high-power, microstripline test setup for experimental study and characterization of multipactor. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 084706	1.7	4
44	Subject-Specific, Non-Invasive Helmet-Restraint RF Coil for Awake, Non-Human Primate MR Imaging. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , <b>2019</b> , 3, 177-183	2.8	3
43	Fluidic beam steering in parasitically coupled patch antenna arrays. <i>Electronics Letters</i> , <b>2015</b> , 51, 1229-1231		3



42	Design of platform-based HF direction finding antennas using the characteristic mode theory <b>2018</b> ,		3
41	A reflective-type, quasi-optical metasurface filter. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 064901	2.5	3
40	Discrete lens array modeling and design for optimum MIMO communications at mm-wave <b>2012</b> ,		3
39	Dual resonant slot antennas for wireless applications <b>2004</b> ,		3
38	Wideband, Beam-Steerable Reflectarray Antennas Exploiting Electronically Reconfigurable Polarization-Rotating Phase Shifters. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	3
37	Broadband, Small-Aperture Direction-Finding Array With Azimuth and Elevation Estimation Capability. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 3163-3175	4.9	3
36	Power-Handling Capabilities of Non-Foster Impedance-Matching Networks: Using Gridded Vacuum Tubes and Power Transistors. <i>IEEE Antennas and Propagation Magazine</i> , <b>2018</b> , 60, 60-69	1.7	3
35	Platform-Based, Electrically-Small HF Antenna With Switchable Directional Radiation Patterns. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 4370-4379	4.9	3
34	A Dual-Band, Polarization-Rotating Reflectarray With Independent Phase Control at Each Band. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5546-5558	4.9	3
33	Performance-Enhancement of Platform-Based, HF Direction-Finding Systems Using Dynamic Mode Selection. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2021</b> , 2, 793-806	1.9	3
32	Remembering Prof. Mojgan Daneshmand and Prof. Pedram Mousavi [In Memoriam]. <i>IEEE Antennas and Propagation Magazine</i> , <b>2020</b> , 62, 124-125	1.7	2
31	Trellis-Coded Space-Time Shift Keying. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 5888-5901	6.9	2
30	Low-cost phased-array antenna technology enabled by MACRO-Electro-Mechanical Systems (MEMS) <b>2015</b> ,		2
29	X-band energy harvester with miniaturized on-chip slot antenna implemented in 0.18- $\mu\text{m}$ RF CMOS <b>2012</b> ,		2
28	Frequency selective surfaces for high-power microwave (HPM) applications <b>2012</b> ,		2
27	Biomimetic electrically small antennas <b>2010</b> ,		2
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25	A measurement system for ultrawide-band communication channel characterization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2005</b> , 53, 2146-2155	4.9	2

24	Calculating multipactor susceptibility chart using a semi-analytic approach with improved accuracy. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 113510	2.1	2
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