

Richard W Ziolkowski

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.

382
papers

10,104
citations

48
h-index

87
g-index

503
ext. papers

12,803
ext. citations

3
avg, IF

6.94
L-index

#	Paper	IF	Citations
382	Mixtures of Multipoles Should They Be in Your EM Toolbox?. <i>IEEE Open Journal of Antennas and Propagation</i> , 2022 , 3, 154-188	1.9	5
381	Low-Profile, Electrically Small, Ultra-Wideband Antenna Enabled with an Inductive Grid Array Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	0
380	Dual-Band, Differentially-Fed Filtenna with Wide Bandwidth, High Selectivity and Low Cross-Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	
379	Multipole-based Electrically Small Unidirectional Antenna with Exceptionally High Realized Gain. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
378	Review of graphene for the generation, manipulation, and detection of electromagnetic fields from microwave to terahertz. <i>2D Materials</i> , 2022 , 9, 022002	5.9	2
377	Rydberg atom-based field sensing enhancement using a split-ring resonator. <i>Applied Physics Letters</i> , 2022 , 120, 204001	3.4	2
376	Conformal Transmitarrays 2021 , 169-211		
375	De-scattering Methods for Coexistent Antenna Arrays 2021 , 89-134		
374	Frequency-Independent Beam Scanning Leaky-Wave Antennas 2021 , 213-273		
373	Decoupling Methods for Antenna Arrays 2021 , 49-87		
372	Differential-Fed Antenna Arrays 2021 , 135-167		
371	2021 ,		10
370	Broadside Radiating, Low-Profile, Electrically Small, Huygens Dipole Filtenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	1
369	Electrically Small Antenna with a Significantly Enhanced Gain-Bandwidth Product. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	
368	Metamaterial-inspired multilayered structures optimized to enable wireless communications through a plasmasonic region. <i>Applied Physics Letters</i> , 2021 , 118, 094102	3.4	4
367	Nonperturbative decay dynamics in metamaterial waveguides. <i>Applied Physics Letters</i> , 2021 , 118, 111103	3.4	3
366	High Sensitivity Core-Shell Structure (CSS)-Based Fiber Sensor for Monitoring Analytes in Liquids and Gases. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3319-3329	4	1

365	Two-Port, Dual-Circularly Polarized, Low-Profile Broadside-Radiating Electrically Small Huygens Dipole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 514-519	4.9	8
364	Regulating the Direction That Power Flows in Microwave Transmission Line Systems With Huygens Sources. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 594-599	4.9	0
363	Electrically Small, Single-Substrate Huygens Dipole Rectenna for Ultracompact Wireless Power Transfer Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 1130-1134	4.9	19
362	. <i>Journal of Lightwave Technology</i> , 2021 , 39, 223-232	4	3
361	Polarization-Reconfigurable Yagi-Configured Electrically Small Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 1757-1762	4.9	3
360	Vertically Polarized, High Performance, Electrically Small Monopole Filtennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
359	Quasi-Optical Multi-Beam Antenna Technologies for B5G and 6G mmWave and THz Networks: A Review. <i>IEEE Open Journal of Antennas and Propagation</i> , 2021 , 2, 807-830	1.9	21
358	Electrically Small, Planar, Frequency-Agile, Beam-Switchable Huygens Dipole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
357	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
356	Compact Differential Diplex Filtenna with Common-Mode Suppression for Highly Integrated Radio Frequency Front-Ends. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
355	Theoretical Analysis of Beam-Steerable, Broadside-Radiating Huygens Dipole Antenna Arrays and Experimental Verification of an Ultrathin Prototype for Wirelessly Powered IoT Applications. <i>IEEE Open Journal of Antennas and Propagation</i> , 2021 , 2, 954-967	1.9	3
354	Highly-Directive Cross-Polarized Backscatterers Integrated With a Ground Plane. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	
353	High-Gain Single-Feed Overmoded Cavity Antenna with Closely-Spaced Phased Patch Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	
352	Wideband, Compact Antennas With Interdigitated Magnetic-Based Near-Field Resonant Parasitic Elements. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 5036-5041	4.9	1
351	A Compact, Low-Profile, Broadside Radiating Two-Element Huygens Dipole Array Facilitated by a Custom-Designed Decoupling Element. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4546-4557	4.9	5
350	Single-Layer, Unidirectional, Broadside-Radiating Planar Quadrupole Antenna for 5G IoT Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 5224-5233	4.9	4
349	2021 ,		1
348	A Metamaterial-Inspired Approach to Mitigating Radio Frequency Blackout When a Plasma Forms Around a Reentry Vehicle. <i>Photonics</i> , 2020 , 7, 88	2.2	4

347	Compact Series-Fed Microstrip Patch Arrays Excited With Dolph-Chebyshev Distributions Realized With Slow Wave Transmission Line Feed Networks. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7905-7915	4.9	9
346	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 897-901	3.8	2
345	Wideband, Electrically Small, Near-Field Resonant Parasitic Dipole Antenna With Stable Radiation Performance. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 826-830	3.8	8
344	Compact, Low-Profile, Linearly and Circularly Polarized Filtennas Enabled With Custom-Designed Feed-Probe Structures. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5247-5256	4.9	10
343	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6049-6058	4.9	6
342	A Circularly Polarized Wireless Power Transfer System for Internet-of-Things (IoT) Applications 2020 ,		3
341	2020 ,		2
340	Metamaterials: Two Decades Past and Into Their Electromagnetics Future and Beyond. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1232-1237	4.9	10
339	2020 ,		1
338	A Stable Floating Non-Foster Circuit 2020 ,		1
337	A Controllable Plasmonic Resonance in a SiC-Loaded Single-Polarization Single-Mode Photonic Crystal Fiber Enables Its Application as a Compact LWIR Environmental Sensor. <i>Materials</i> , 2020 , 13,	3.5	4
336	Polarization-Reconfigurable Leaky-Wave Antenna With Continuous Beam Scanning Through Broadside. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 121-133	4.9	23
335	Ultralow-Profile, Electrically Small, Pattern-Reconfigurable Metamaterial-Inspired Huygens Dipole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1238-1248	4.9	26
334	Electrically Small Huygens CP Rectenna With a Driven Loop Element Maximizes Its Wireless Power Transfer Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 540-545	4.9	20
333	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2763-2768	4.9	13
332	Wirelessly Powered Light and Temperature Sensors Facilitated by Electrically Small Omnidirectional and Huygens Dipole Antennas. <i>Sensors</i> , 2019 , 19,	3.8	6
331	Grating Lobes in Higher-Order Correlation Functions of Arrays of Quantum Emitters: Directional Photon Bunching Versus Correlated Directions. <i>Photonics</i> , 2019 , 6, 14	2.2	3
330	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4418-4428	4.9	31

329	Compact, High Directivity, Omnidirectional Circularly Polarized Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4537-4547	4.9	12
328	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3670-3679	4.9	47
327	. <i>IEEE Access</i> , 2019 , 7, 39762-39769	3.5	21
326	A Terahertz (THz) Single-Polarization-Single-Mode (SPSM) Photonic Crystal Fiber (PCF). <i>Materials</i> , 2019 , 12,	3.5	15
325	Continuous Beam Scanning at a Fixed Frequency With a Composite Right-/Left-Handed Leaky-Wave Antenna Operating Over a Wide Frequency Band. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7272-7284	4.9	18
324	Control of a quantum emitter's bandwidth by managing its reactive power. <i>Physical Review A</i> , 2019 , 100,	2.6	8
323	Band- and frequency-reconfigurable circularly polarised filtenna for cognitive radio applications. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1003-1008	1.6	2
322	Dual CP Polarization Diversity and Space Diversity Antennas Enabled by a Compact T-Shaped Feed Structure. <i>IEEE Access</i> , 2019 , 7, 96284-96296	3.5	5
321	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5689-5694	4.9	7
320	Photoluminescence Revealed Higher Order Plasmonic Resonance Modes and Their Unexpected Frequency Blue Shifts in Silver-Coated Silica Nanoparticle Antennas. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3000	2.6	2
319	Custom-Designed Electrically Small Huygens Dipole Antennas Achieve Efficient, Directive Emissions Into Air When Mounted on a High Permittivity Block. <i>IEEE Access</i> , 2019 , 7, 163365-163383	3.5	3
318	A Wideband Low-Profile Tightly Coupled Antenna Array With a Very High Figure of Merit. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2332-2343	4.9	34
317	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 37-47	4.9	18
316	Pattern Reconfigurable, Vertically Polarized, Low-Profile, Compact, Near-Field Resonant Parasitic Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1467-1475	4.9	20
315	Circularly Polarized Antenna With Reconfigurable Broadside and Conical Beams Facilitated by a Mode Switchable Feed Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 996-1001	4.9	38
314	Reconfigurable, Wideband, Low-Profile, Circularly Polarized Antenna and Array Enabled by an Artificial Magnetic Conductor Ground. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1564-1569	4.9	43
313	Electrically Small, Low-Profile, Huygens Circularly Polarized Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 636-643	4.9	45
312	Advances in Reconfigurable Antenna Systems Facilitated by Innovative Technologies. <i>IEEE Access</i> , 2018 , 6, 5780-5794	3.5	31

311	Tomographic Characterization of a Multifunctional Composite High-Impedance Surface. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 2904-2913	4.1	5
310	Realization of an Ultra-thin Metasurface to Facilitate Wide Bandwidth, Wide Angle Beam Scanning. <i>Scientific Reports</i> , 2018 , 8, 4761	4.9	10
309	Pattern-Reconfigurable, Flexible, Wideband, Directive, Electrically Small Near-Field Resonant Parasitic Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2271-2280	4.9	17
308	A Scalable THz Photonic Crystal Fiber With Partially-Slotted Core That Exhibits Improved Birefringence and Reduced Loss. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3408-3417	4	21
307	Circular hole ENZ photonic crystal fibers exhibit high birefringence. <i>Optics Express</i> , 2018 , 26, 17264-17273	3.3	16
306	Bandwidth-Enhanced, Compact, Near-Field Resonant Parasitic Filtennas With Sharp Out-of-Band Suppression. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1483-1487	3.8	9
305	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2031-2035	3.8	16
304	Compact, Low-Profile, Bandwidth-Enhanced Substrate Integrated Waveguide Filtenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1552-1556	3.8	22
303	Highly Subwavelength, Superdirective Cylindrical Nanoantenna. <i>Physical Review Letters</i> , 2018 , 120, 237401	4.1	26
302	High Birefringent ENZ Photonic Crystal Fibers 2018 ,		1
301	The Design of a Compact, Wide Bandwidth, Non-Foster-Based Substrate Integrated Waveguide Filter 2018 ,		2
300	Special Section Proposal Tunable Devices for Modern Communications: Materials, Integration, Modeling, and Applications. <i>IEEE Access</i> , 2018 , 6, 42368-42372	3.5	
299	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6975-6985	4.9	17
298	Designs of Compact, Planar, Wideband, Monopole Filtennas with Near-Field Resonant Parasitic Elements 2018 ,		2
297	Electrically Small, Low-Profile, Planar, Huygens Dipole Antenna With Quad-Polarization Diversity. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6772-6780	4.9	15
296	Quantum antenna arrays: The role of quantum interference on direction-dependent photon statistics. <i>Physical Review A</i> , 2018 , 97,	2.6	9
295	Dual-Linearly Polarized, Electrically Small, Low-Profile, Broadside Radiating, Huygens Dipole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3877-3885	4.9	19
294	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1063-1072	4.9	42

293	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 6345-6354	4.9	34
292	Investigations of a Load-Bearing Composite Electrically Small Egyptian Axe Dipole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 3827-3837	4.9	10
291	Electrically small metamaterial-inspired antennas with active near field resonant parasitic elements: From theory to practice 2017 ,		2
290	Mutual Coupling Reduction Using Meta-Structures for Wideband, Dual-Polarized, and High-Density Patch Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 3986-3998	4.9	65
289	A Bandwidth-Enhanced, Compact, Single-Feed, Low-Profile, Multilayered, Circularly Polarized Patch Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2258-2261	3.8	10
288	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 482-488	4.9	14
287	A t-shaped feed structure to enhance the performance of a polarization diversity antenna 2017 ,		2
286	Riemann-Hilbert technique scattering analysis of metamaterial-based asymmetric 2D open resonators. <i>EPJ Applied Metamaterials</i> , 2017 , 4, 10	0.8	
285	. <i>IEEE Access</i> , 2017 , 5, 14657-14663	3.5	12
284	Using Huygens Multipole Arrays to Realize Unidirectional Needle-Like Radiation. <i>Physical Review X</i> , 2017 , 7,	9.1	25
283	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2574-2577	3.8	12
282	Wideband Pattern-Reconfigurable Antenna With Switchable Broadside and Conical Beams. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2638-2641	3.8	91
281	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 5026-5034	4.9	34
280	Cylindrical and Spherical Active Coated Nanoparticles as Nanoantennas: Active Nanoparticles as Nanoantennas. <i>IEEE Antennas and Propagation Magazine</i> , 2017 , 59, 14-29	1.7	7
279	28 GHz Compact Omnidirectional Circularly Polarized Antenna for Device-to-Device Communications in the Future 5G Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 6904-6914	4.9	51
278	Compact, omni-directional, circularly-polarized mm-Wave antenna for device-to-device (D2D) communications in future 5G cellular systems 2017 ,		7
277	Electrically Small, Broadside Radiating Huygens Source Antenna Augmented With Internal Non-Foster Elements to Increase Its Bandwidth. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 712-715	3.8	36
276	New Frontiers in Passive and Active Nanoantennas [Guest Editorial]. <i>IEEE Antennas and Propagation Magazine</i> , 2017 , 59, 8-13	1.7	

275	2017,			2
274	The directivity of a compact antenna: an unforgettable figure of merit. <i>EPJ Applied Metamaterials</i> , 2017 , 4, 7	0.8		2
273	2017,			1
272	Simplified Tightly-Coupled Cross-Dipole Arrangement for Base Station Applications. <i>IEEE Access</i> , 2017 , 5, 27491-27503	3.5		24
271	Investigation of a conformal amplifier embedded in an aerospace composite structure 2017,			2
270	2017,			2
269	Investigation of microwave active elements embedded in composite structures 2016,			2
268	. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4607-4617	4.9		53
267	Printed multiband metamaterial-inspired antennas. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 1281-1289	1.2		18
266	Metamaterial-inspired configurations to enhance the directivity of electrically small antennas 2016,			1
265	Microwave Doppler tomography of high impedance ground planes for aerospace applications 2016,			2
264	Multi-functional composite metamaterial-inspired EEAD antenna for structural applications 2016,			3
263	Planar Ultrawideband Antennas With Improved Realized Gain Performance. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 61-69	4.9		54
262	Flexible Uniplanar Electrically Small Directive Antenna Empowered by a Modified CPW-Feed. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 914-917	3.8		15
261	Integration and Operation of an Electrically Small Magnetic EZ Antenna With a High-Power Standing Wave Oscillator Source. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 642-645	3.8		3
260	. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3353-3360	4.9		51
259	Compact Planar Ultrawideband Antennas With Continuously Tunable, Independent Band-Notched Filters. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3292-3301	4.9		51
258	Metamaterials and Antennas 2016 , 287-320			1

257	Embroidered Active Microwave Composite Preimpregnated Electronics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 3175-3186	4.1	17
256	Compact printed ultra-wideband antenna: corrugated monopole augmented with parasitic strips. <i>Journal of Electromagnetic Waves and Applications</i> , 2016 , 30, 1702-1711	1.3	
255	Superbackscattering nanoparticle dimers. <i>Nanotechnology</i> , 2015 , 26, 274001	3.4	4
254	Superbackscattering from single dielectric particles. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 072001	1.7	15
253	Superbackscattering Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 2011-2024	4.9	8
252	Nano-sensing of the orientation of fluorescing molecules with active coated nano-particles. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2015 , 13, 80-88	2.6	1
251	Two-element Egyptian axe dipole arrays emphasising their wideband and end-fire radiation performance. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1363-1370	1.6	7
250	Crossed Dipole Antennas: A review.. <i>IEEE Antennas and Propagation Magazine</i> , 2015 , 57, 107-122	1.7	79
249	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5203-5209	4.9	28
248	Flexible Efficient Quasi-Yagi Printed Uniplanar Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5343-5350	4.9	24
247	Near-Field Directive Beams From Passive and Active Asymmetric Optical Nanoantennas. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 312-323	3.8	8
246	2015 ,		1
245	Capacitively Loaded Loop-Based Antennas with Reconfigurable Radiation Patterns. <i>International Journal of Antennas and Propagation</i> , 2015 , 2015, 1-10	1.2	4
244	Designs and Performance Characteristics of Coated Nanotoroid Antennas. <i>International Journal of Antennas and Propagation</i> , 2015 , 2015, 1-11	1.2	
243	Roughly Impedance-Matched Scatterers Constructed With Magnetodielectric Cells. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 4418-4425	4.9	4
242	Low Profile, Broadside Radiating, Electrically Small Huygens Source Antennas. <i>IEEE Access</i> , 2015 , 3, 2644-2651	3.5	48
241	Metamaterials and Antennas 2015 , 1-28		
240	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 3281-3289	4.9	6

239	THz Thermal Emission Control Via Electromagnetic Band Engineering. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014 , 4, 213-224	3.4	0
238	Frequency-Agile, Efficient, Near-Field Resonant Parasitic Monopole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1479-1483	4.9	20
237	Induction Theorem Analysis of Resonant Nanoparticles: Design of a Huygens Source Nanoparticle Laser. <i>Physical Review Applied</i> , 2014 , 1,	4.3	29
236	Least Upper Bounds of the Powers Extracted and Scattered by Bi-anisotropic Particles. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4726-4735	4.9	15
235	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 2962-2969	4.9	47
234	Metamaterials: The early years in the USA. <i>EPJ Applied Metamaterials</i> , 2014 , 1, 5	0.8	12
233	INFLUENCE OF ACTIVE NANO PARTICLE SIZE AND MATERIAL COMPOSITION ON MULTIPLE QUANTUM EMITTER ENHANCEMENTS: THEIR ENHANCEMENT AND JAMMING EFFECTS (Invited Paper). <i>Progress in Electromagnetics Research</i> , 2014 , 149, 85-99	3.8	5
232	Performance Characteristics of Planar and Three-Dimensional Versions of a Frequency-Agile Electrically Small Antenna. <i>IEEE Antennas and Propagation Magazine</i> , 2014 , 56, 53-71	1.7	6
231	Single-, dual-, and triple-band metamaterial-inspired electrically small planar magnetic dipole antennas. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 83-87	1.2	7
230	A High-Directivity, Wideband, Efficient, Electrically Small Antenna System. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 6541-6547	4.9	36
229	Applications of circularly polarized crossed dipole antennas 2014 ,		2
228	Compact wideband printed flower slot antenna. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1465-1468	1.2	5
227	Magnetic dipole super-resonances and their impact on mechanical forces at optical frequencies. <i>Optics Express</i> , 2014 , 22, 8640-53	3.3	13
226	2014 ,		1
225	Upper Bounds on Scattering Processes and Metamaterial-Inspired Structures That Reach Them. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 6344-6353	4.9	14
224	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4419-4430	4.9	28
223	Progress towards an electrically small antenna with high efficiency and large bandwidth simultaneously with high directivity and a large front-to-back ratio 2013 ,		1
222	Anisotropic permittivity of ultra-thin crystalline Au films: Impacts on the plasmonic response of metasurfaces. <i>Applied Physics Letters</i> , 2013 , 103, 091106	3.4	13

221	Multi-Band, Wide-Beam, Circularly Polarized, Crossed, Asymmetrically Barbed Dipole Antennas for GPS Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5771-5775	4.9	93
220	Photoconductive THz Antenna Designs With High Radiation Efficiency, High Directivity, and High Aperture Efficiency. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 721-730	3.4	40
219	Metamaterial inspired, electrically small, GSM antenna with steerable radiation patterns and high radiation efficiency 2013 ,		1
218	Lightweight, Flexible, Polarization-Insensitive, Highly Absorbing Meta-Films. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1191-1200	4.9	25
217	Non-Foster element and dispersion engineering approaches to bandwidth enhancements in active metamaterial-inspired structures 2013 ,		1
216	Jamming of Quantum Emitters by Active Coated Nanoparticles. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 4800506-4800506	3.8	9
215	Simultaneous Excitation of Electric and Magnetic Dipole Modes in a Resonant Core-Shell Particle at Infrared Frequencies to Achieve Minimal Backscattering. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 4700209-4700209	3.8	18
214	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 421-424	3.8	20
213	. <i>IEEE Access</i> , 2013 , 1, 16-28	3.5	45
212	Size-dependent permittivity and intrinsic optical anisotropy of nanometric gold thin films: a density functional theory study. <i>Optics Express</i> , 2013 , 21, 11827-38	3.3	42
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