

# Filiberto Bilotti

## 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.

242 papers	4,037 citations	34 h-index	54 g-index
343 ext. papers	5,250 ext. citations	2.5 avg, IF	5.8 L-index

#	Paper	IF	Citations
242	Multi-Layered Coating Metasurfaces Enabling Frequency Reconfigurability in Wire Antenna. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2022</b> , 3, 206-216	1.9	0
241	. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2022</b> , 3, 135-153	1.9	1
240	Design of In-phase and Quadrature Two Paths Space-Time-Modulated Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	3
239	Metasurfaces 3.0: a New Paradigm for Enabling Smart Electromagnetic Environments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	4
238	Temporal transition in parallel-plate waveguides: analysis of scattering and propagation at the temporal interface. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2015, 012119	0.3	
237	Propagation and scattering effects in temporal metastructures. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2015, 012120	0.3	
236	Time-varying metamaterials and metasurfaces for antennas and propagation applications. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2015, 012121	0.3	
235	Metasurface design constraints in Metasurface-based Virtual absorbers <b>2021</b> ,		1
234	Temporal multilayer structures for designing higher-order transfer functions using time-varying metamaterials. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 101901	3.4	27
233	Dual-Circularly Polarized Topological Patch Antenna With Pattern Diversity. <i>IEEE Access</i> , <b>2021</b> , 9, 48769-48776	3.9	3
232	Metasurface virtual absorbers: unveiling operative conditions through equivalent lumped circuit model. <i>EPJ Applied Metamaterials</i> , <b>2021</b> , 8, 3	0.8	4
231	Progress and perspective on advanced cloaking metasurfaces: from invisibility to intelligent antennas. <i>EPJ Applied Metamaterials</i> , <b>2021</b> , 8, 7	0.8	6
230	On the Use of Nonlinear Metasurfaces for Circumventing Fundamental Limits of Mantle Cloaking for Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5048-5053	4.9	8
229	Design of High-Q Passband Filters Implemented Through Multipolar All-Dielectric Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5142-5147	4.9	5
228	Waveguide Components and Aperture Antennas With Frequency- and Time-Domain Selectivity Properties. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7196-7201	4.9	9
227	Electromagnetic Isolation Induced by Time-Varying Metasurfaces: Nonreciprocal Bragg Grating. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1886-1890	3.8	11
226	Overcoming Mantle Cloaking Limits in Antenna Applications through Non-Linear Metasurfaces <b>2020</b> ,		2

225	Metasurface-bounded open cavities supporting virtual absorption: free-space energy accumulation in lossless systems. <i>Optics Letters</i> , <b>2020</b> , 45, 3147-3150	3	8
224	Light propagation through metamaterial temporal slabs: reflection, refraction, and special cases. <i>Optics Letters</i> , <b>2020</b> , 45, 5836-5839	3	24
223	Complex frequency excitation enabling perfect matching of reactive-loaded transmission lines <b>2020</b> ,		3
222	Achieving Electromagnetic Isolation by using Up- and Down-converting Time-Varying Metasurfaces <b>2020</b> ,		2
221	Waveform-Selective Devices for Antenna Applications <b>2020</b> ,		1
220	Non-linear Mantle Cloaks for Self-Configurable Power-Dependent Phased Arrays <b>2020</b> ,		2
219	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1607-1617	4.9	55
218	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1851-1859	4.9	17
217	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1542-1552	4.9	26
216	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1799-1811	4.9	13
215	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1717-1725	4.9	20
214	Scattering-free energy storage in open cavities bounded by metasurfaces <b>2020</b> ,		3
213	Perfect matching of reactive-loaded transmission lines through complex excitation <b>2020</b> ,		5
212	The Design of Optical Circuit-Analog Absorbers through Electrically Small Nanoparticles. <i>Photonics</i> , <b>2019</b> , 6, 26	2.2	9
211	Space-time modulated cloaks for breaking reciprocity of antenna radiation <b>2019</b> ,		1
210	On the Topological Robustness of Vortex Modes at Microwave Frequencies. <i>Radioengineering</i> , <b>2019</b> , 27, 499-504	0.8	3
209	Power-dependent invisibility devices for antenna arrays <b>2019</b> ,		3
208	Homogenization of All-Dielectric Metasurfaces: Theory and Applications <b>2019</b> ,		1

207	Topological Robustness of Phase Singularities at Microwave Frequencies <b>2019</b> ,		1
206	Antenna Arrays Emulate Metamaterial-Based Carpet Cloak Over a Wide Angular and Frequency Bandwidth. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 2346-2353	4.9	4
205	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3512-3525	4.9	38
204	Metasurface-based anti-reflection coatings at optical frequencies. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 055001	1.7	7
203	Design and Experimental Verification of a Compact Gaussian Beam Source for Parallel-Plate Waveguide Tests. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4288-4291	4.9	1
202	Electromagnetic Cloaking for Antenna Arrays <b>2018</b> ,		1
201	Towards Waveform-Selective Cloaking Devices Exploiting Circuit-Loaded Metasurfaces <b>2018</b> ,		7
200	Metasurface-based Doppler cloaks: Time-varying metasurface profile to achieve perfect frequency mixing <b>2018</b> ,		3
199	Exploiting Electromagnetic Cloaking to Design Compact Nanosatellite Systems <b>2018</b> ,		3
198	EXPLOITING THE TOPOLOGICAL ROBUSTNESS OF COMPOSITE VORTICES IN RADIATION SYSTEMS. <i>Progress in Electromagnetics Research</i> , <b>2018</b> , 162, 39-50	3.8	18
197	Nonreciprocity in Antenna Radiation Induced by Space-Time Varying Metamaterial Cloaks. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1968-1972	3.8	34
196	Nonlinear Mantle Cloaking Devices for Power-Dependent Antenna Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1727-1730	3.8	19
195	Patch Antenna Generating Structured Fields With a MBius Polarization State. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1345-1348	3.8	15
194	Design and experimental validation of dual-band circularly polarised horn filtenna. <i>Electronics Letters</i> , <b>2017</b> , 53, 641-642	1.1	14
193	Efficient energy transfer through a bifilar metamaterial line connecting microwave waveguides. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 054901	2.5	6
192	Scattering Manipulation and Camouflage of Electrically Small Objects through Metasurfaces. <i>Physical Review Applied</i> , <b>2017</b> , 7,	4.3	17
191	Filtering Chiral Particle for Rotating the Polarization State of Antennas and Waveguides Components. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 1468-1471	4.9	12
190	. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , <b>2017</b> , 2, 168-173	1.5	10

189	Satellite Applications of Electromagnetic Cloaking. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4931-4934	4.9	31
188	Analysis of the scattering and absorption properties of ellipsoidal nanoparticle arrays for the design of full-color transparent screens. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 243106	2.5	11
187	Doppler cloak restores invisibility to objects in relativistic motion. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	43
186	Core-Shell Super-Spherical Nanoparticles for LSPR-Based Sensing Platforms. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 380-387	3.8	17
185	Enhancing the performances of satellite telecommunication systems exploiting electromagnetic cloaking <b>2017</b> ,		1
184	Spatio-temporal modulated Doppler cloak for antenna matching at relativistic velocity <b>2017</b> ,		4
183	Narrowband transparent absorbers based on ellipsoidal nanoparticles. <i>Applied Optics</i> , <b>2017</b> , 56, 7533-7538	3.7	12
182	Design of mantle cloaks through a System-by-Design approach <b>2016</b> ,		1
181	Super-spherical core-shell nanoparticles: Nanostructured materials enabling applications in the visible regime <b>2016</b> ,		1
180	Exploiting the surface dispersion of nanoparticles to design optical-resistive sheets and Salisbury absorbers. <i>Optics Letters</i> , <b>2016</b> , 41, 3383-6	3	22
179	Tunable scattering cancellation cloak with plasmonic ellipsoids in the visible. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	22
178	Design of cloaked Yagi-Uda antennas. <i>EPJ Applied Metamaterials</i> , <b>2016</b> , 3, 10	0.8	16
177	Exploiting Intrinsic Dispersion of Metamaterials for Designing Broadband Aperture Antennas: Theory and Experimental Verification. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 1141-1146	4.9	18
176	Synthesis of Filtering Structures for Microstrip Active Antennas Using Orlovsk Formula. <i>ETRI Journal</i> , <b>2016</b> , 27, 166	1.4	0
175	Recent Trends in the World Gas Market: Economical, Geopolitical and Environmental Aspects. <i>Sustainability</i> , <b>2016</b> , 8, 154	3.6	21
174	Sustainable Acoustic Metasurfaces for Sound Control. <i>Sustainability</i> , <b>2016</b> , 8, 107	3.6	10
173	Antenna-based carpet cloak: A possible frequency and angular broadband cloaking technique <b>2016</b> ,		3
172	Advancements in Doppler cloak technology: Manipulation of Doppler Effect and invisibility for moving objects <b>2016</b> ,		3

171	Mantle cloaking for co-site radio-frequency antennas. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 113502	3.4	63
170	Metamaterials meeting industrial products: A successful example in Italy <b>2016</b> ,		1
169	Optical invisibility through metasurfaces made of plasmonic nanoparticles. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 123103	2.5	30
168	Multiband and Wideband Bilayer Mantle Cloaks. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 3235-3240	4.9	44
167	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 4827-4834	4.9	56
166	Nonreciprocal Horn Antennas Using Angular Momentum-Biased Metamaterial Inclusions. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 5593-5600	4.9	35
165	Horn Antennas With Integrated Notch Filters. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 781-785	4.9	42
164	Signal manipulation through horn antennas loaded with metamaterial-inspired particles: A review. <i>EPJ Applied Metamaterials</i> , <b>2015</b> , 2, 5	0.8	4
163	PERMITTIVITY OF SUB-SOIL MATERIALS RETRIEVED THROUGH TRANSMISSION LINE MODEL AND GPR DATA. <i>Progress in Electromagnetics Research</i> , <b>2015</b> , 151, 65-72	3.8	8
162	DESIGN OF A LOW-PROFILE ANTENNA BY USING ORTHOGONAL PARASITIC MEANDERED MONOPOLES. <i>Progress in Electromagnetics Research Letters</i> , <b>2015</b> , 55, 23-29	0.5	1
161	VARYING THE OPERATION BANDWIDTH OF METAMATERIAL-INSPIRED FILTERING MODULES FOR HORN ANTENNAS. <i>Progress in Electromagnetics Research C</i> , <b>2015</b> , 58, 61-68	0.9	11
160	Optical Scattering Cancellation through Arrays of Plasmonic Nanoparticles: A Review. <i>Photonics</i> , <b>2015</b> , 2, 540-552	2.2	19
159	Power-selectivity horn filtenna loaded with a nonlinear SRR <b>2015</b> ,		4
158	Reciprocal and non-reciprocal signal manipulation through horn antennas loaded with metamaterial-inspired particles <b>2015</b> ,		2
157	Anisotropic Mantle Cloaks for TM and TE Scattering Reduction. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 1775-1788	4.9	69
156	Analytical Model of Connected Bi-Omega: Robust Particle for the Selective Power Transmission Through Sub-Wavelength Apertures. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2093-2104	4.9	25
155	Design of multi-layer mantle cloaks <b>2014</b> ,		10
154	Mantle cloaking and related applications in antennas <b>2014</b> ,		2

153	Controlling Scattering and Absorption With Metamaterial Covers. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 4220-4229	4.9	56
152	Novel waveguide components based on complementary electrically small resonators. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2014</b> , 12, 284-290	2.6	17
151	METAMORPHOSE VI [The Virtual Institute for artificial electromagnetic materials and metamaterials: origin, mission, and activities. <i>EPJ Applied Metamaterials</i> , <b>2014</b> , 1, 1	0.8	
150	Reconfigurable Electromagnetics through Metamaterials. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-2	1.2	3
149	CIRCULAR POLARIZED PATCH ANTENNA GENERATING ORBITAL ANGULAR MOMENTUM. <i>Progress in Electromagnetics Research</i> , <b>2014</b> , 148, 23-30	3.8	91
148	Robustness of Acoustic Scattering Cancellation to Parameter Variations. <i>Sustainability</i> , <b>2014</b> , 6, 4416-4435	3.5	3
147	Angular Momentum-biased metamaterials for filtering waveguide components and antennas with non-reciprocal behavior <b>2014</b> ,		12
146	SRR-based notch filter for horn antennas <b>2014</b> ,		1
145	A two-step model to optimise transcutaneous electrical stimulation of the human upper arm. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2014</b> , 33, 1329-1345	0.7	6
144	Experimental demonstration of the enhanced transmission through circular and rectangular sub-wavelength apertures using omega-like split-ring resonators. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2013</b> , 11, 55-64	2.6	2
143	Design of a circular polarized horn filtenna using complementary electrically small resonators <b>2013</b> ,		2
142	Mantle cloak devices for TE and TM polarizations <b>2013</b> ,		4
141	Design of a Non-Foster Actively Loaded SRR and Application in Metamaterial-Inspired Components. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 1219-1227	4.9	51
140	Broadband Compact Horn Antennas by Using EPS-ENZ Metamaterial Lens. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 2929-2937	4.9	67
139	Design and simulations of dual-polarized mantle cloaking devices <b>2013</b> ,		3
138	Metamaterial split-ring resonators for retrieval of soil electromagnetic properties <b>2013</b> ,		1
137	Balanced and unbalanced waveguide power splitters based on connected bi-omega particles. <i>Electronics Letters</i> , <b>2013</b> , 49, 1504-1506	1.1	15
136	Experimental verification of metamaterial loaded small patch antennas. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2013</b> , 32, 1834-1844	0.7	5

135	Characteristic impedance of a microstrip line with a dielectric overlay. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2013</b> , 32, 1855-1867	0.7	13
134	Dielectric-free multi-band frequency selective surface for antenna applications. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2013</b> , 32, 1868-1875	0.7	14
133	Achieving PMC boundary conditions through metamaterials. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2013</b> , 32, 1876-1890	0.7	3
132	Restoring the radiating performances of shortened horn antennas over a broad frequency range <b>2013</b> ,		5
131	A new tool for the retrieval of effective permittivity of ground by using a commercial GPR <b>2013</b> ,		3
130	Single patch antenna generating electromagnetic field with orbital angular momentum <b>2013</b> ,		5
129	A Combined Bandpass Filter and Polarization Transformer for Horn Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 1065-1068	3.8	43
128	Amorphous Metamaterials and Potential Nanophotonics Applications. <i>Nano-optics and Nanophotonics</i> , <b>2013</b> , 39-66	0	2
127	Possible implementation of epsilon-near-zero metamaterials working at optical frequencies. <i>Optics Communications</i> , <b>2012</b> , 285, 3412-3418	2	43
126	Extracting power from sub-wavelength apertures by using electrically small resonators: Phenomenology, modeling, and applications <b>2012</b> ,		2
125	Metasurface mantle cloak for antenna applications <b>2012</b> ,		6
124	Self-Filtering Low-Noise Horn Antenna for Satellite Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 354-357	3.8	28
123	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 3583-3593	4.9	13
122	Design of a Waveguide Diplexer Based on Connected Bi-Omega Particles. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2012</b> , 22, 126-128	2.6	18
121	Sensor design for cancer tissue diagnostics <b>2012</b> ,		2
120	Overcoming Mutual Blockage Between Neighboring Dipole Antennas Using a Low-Profile Patterned Metasurface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1414-1417	3.8	93
119	Metamaterials: RF and microwave applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2012</b> , 22, 421-421	1.5	2
118	Metamaterials: Definitions, properties, applications, and FDTD-based modeling and simulation (Invited paper). <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2012</b> , 22, 422-438	1.5	58

117	Design of a multifunctional SRR-loaded printed monopole antenna. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2012</b> , 22, 552-557	1.5	22
116	Design of a waveguide power splitter based on the employment of bi-omega resonators. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 2091-2095	1.2	5
115	Metamaterial-inspired antennas for telecommunication applications <b>2012</b> ,		2
114	Design of a non-foster actively loaded metamaterial-inspired antenna <b>2012</b> ,		3
113	Linear-to-circular polarization transformer using electrically small antennas <b>2012</b> ,		9
112	Employment of metamaterial cloaks to enhance the resolution of near-field scanning optical microscopy systems based on aperture tips. <i>Metamaterials</i> , <b>2011</b> , 5, 119-124		11
111	Cloaking apertureless near-field scanning optical microscopy tips. <i>Optics Letters</i> , <b>2011</b> , 36, 211-3	3	35
110	Efficient and wideband horn nanoantenna. <i>Optics Letters</i> , <b>2011</b> , 36, 1743-5	3	23
109	Optical cloaking of cylindrical objects by using covers made of core-shell nanoparticles. <i>Optics Letters</i> , <b>2011</b> , 36, 4479-81	3	51
108	Metamaterial biosensor for cancer detection <b>2011</b> ,		17
107	Electrical and radiation properties of a horn nano-antenna at near infrared frequencies <b>2011</b> ,		3
106	METAMATERIAL-BASED SENSOR DESIGN WORKING IN INFRARED FREQUENCY RANGE. <i>Progress in Electromagnetics Research B</i> , <b>2011</b> , 34, 205-223	0.7	18
105	A NEW ACCURATE MODEL OF HIGH-IMPEDANCE SURFACES CONSISTING OF CIRCULAR PATCHES. <i>Progress in Electromagnetics Research M</i> , <b>2011</b> , 21, 1-17	0.6	27
104	ANALYTICAL MODEL OF A METASURFACE CONSISTING OF A REGULAR ARRAY OF SUB-WAVELENGTH CIRCULAR HOLES IN A METAL SHEET. <i>Progress in Electromagnetics Research M</i> , <b>2011</b> , 18, 209-219	0.6	17
103	Metamaterial resonator arrays for organic and inorganic compound sensing <b>2011</b> ,		6
102	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2011</b> , 53, 63-72	2	62
101	FSS-based approach for the power transmission enhancement through electrically small apertures. <i>Applied Physics A: Materials Science and Processing</i> , <b>2011</b> , 103, 927-931	2.6	3
100	New metamaterial-inspired antenna concepts based on enhanced microwave transmission through sub-wavelength apertures <b>2011</b> ,		3

99	DESIGN OF POLYGONAL PATCH ANTENNAS FOR PORTABLE DEVICES. <i>Progress in Electromagnetics Research B</i> , <b>2010</b> , 24, 33-47	0.7	4
98	. <i>IEEE Nanotechnology Magazine</i> , <b>2010</b> , 9, 55-61	2.6	59
97	Resonating Plasmonic Particles to Achieve Power Transmission Enhancement Through Subwavelength Apertures. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 938-940	2.2	4
96	Achieving Power Transmission Enhancement by Using Nano-Rings Made of Silver Spheres. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 1595-1597	2.2	8
95	Experimental verification of metamaterial based subwavelength microwave absorbers. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 083113	2.5	58
94	Plasmonic cloaking for irregular objects with anisotropic scattering properties. <i>Physical Review E</i> , <b>2010</b> , 81, 026602	2.4	40
93	Reduction of optical forces exerted on nanoparticles covered by scattering cancellation based plasmonic cloaks. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	13
92	Design of High-Performing Microstrip Receiving GPS Antennas With Multiple Feeds. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 248-251	3.8	20
91	Multi-functional dipole antennas based on artificial magnetic metamaterials. <i>IET Microwaves, Antennas and Propagation</i> , <b>2010</b> , 4, 1026	1.6	16
90	Scattering cancellation by metamaterial cylindrical multilayers. <i>Journal of the European Optical Society-Rapid Publications</i> , <b>2009</b> , 4,	2.5	13
89	Enhanced transmission through a subwavelength aperture using metamaterials. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 052103	3.4	28
88	A genetic algorithm based procedure to retrieve effective parameters of planar metamaterial samples <b>2009</b> ,		1
87	Plasmonic and non-plasmonic layered structures for cloaking applications at visible frequencies. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 2713-2717	1.2	2
86	Design of a meta-screen for near-zone field focalization at optical frequencies. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 2718-2721	1.2	5
85	Optimization and tunability of deep subwavelength resonators for metamaterial applications: complete enhanced transmission through a subwavelength aperture. <i>Optics Express</i> , <b>2009</b> , 17, 5933-43	3.3	31
84	Split-ring-resonator-coupled enhanced transmission through a single subwavelength aperture. <i>Physical Review Letters</i> , <b>2009</b> , 102, 013904	7.4	91
83	Enhanced transmission through a sub-wavelength aperture: resonant approaches employing metamaterials. <i>Journal of Optics</i> , <b>2009</b> , 11, 114029		20
82	Design of Metamaterial-Based Resonant Microwave Absorbers with Reduced Thickness and Absence of a Metallic Backing. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , <b>2009</b> , 165-174	0.2	5

81	Efficient Modeling of the Crosstalk Between Two Coupled Microstrip Lines Over Nonconventional Materials Using an Hybrid Technique. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 1482-1485	2	7
80	<b>2008</b> ,		4
79	Electromagnetic cloaking devices for TE and TM polarizations. <i>New Journal of Physics</i> , <b>2008</b> , 10, 115035	2.9	48
78	Miniaturization and Characterization of Metamaterial Resonant Particles <b>2008</b> ,		3
77	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 1640-1647	4.9	141
76	Employment of Artificial Magnetic Metamaterials to Effectively Reduce the Back-Lobe of Patch Antennas. <i>Electromagnetics</i> , <b>2008</b> , 28, 513-522	0.8	4
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