

# Filiberto Bilotti

## 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.

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	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 2258-2267	4.9	225
241	Equivalent-Circuit Models for the Design of Metamaterials Based on Artificial Magnetic Inclusions. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2007</b> , 55, 2865-2873	4.1	174
240	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 13-25	4.9	160
239	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 1640-1647	4.9	141
238	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
237	CIRCULAR POLARIZED PATCH ANTENNA GENERATING ORBITAL ANGULAR MOMENTUM. <i>Progress in Electromagnetics Research</i> , <b>2014</b> , 148, 23-30	3.8	91
236	Split-ring-resonator-coupled enhanced transmission through a single subwavelength aperture. <i>Physical Review Letters</i> , <b>2009</b> , 102, 013904	7.4	91
235	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2006</b> , 54, 1632-1643	4.9	88
234	An SRR based microwave absorber. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 2171-2175	1.2	82
233	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
232	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
231	Mantle cloaking for co-site radio-frequency antennas. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 113502	3.4	63
230	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2011</b> , 53, 63-72	2	62
229	. <i>IEEE Nanotechnology Magazine</i> , <b>2010</b> , 9, 55-61	2.6	59
228	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
227	Experimental verification of metamaterial based subwavelength microwave absorbers. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 083113	2.5	58
226	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 4827-4834	4.9	56

225	Controlling Scattering and Absorption With Metamaterial Covers. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 4220-4229	4.9	56
224	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1607-1617	4.9	55
223	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
222	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
221	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 1698-1708	4.9	51
220	A novel design method for Blass matrix beam-forming networks. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2002</b> , 50, 225-232	4.9	49
219	Electromagnetic cloaking devices for TE and TM polarizations. <i>New Journal of Physics</i> , <b>2008</b> , 10, 115035	2.9	48
218	Multiband and Wideband Bilayer Mantle Cloaks. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 3235-3240	4.9	44
217	Possible implementation of epsilon-near-zero metamaterials working at optical frequencies. <i>Optics Communications</i> , <b>2012</b> , 285, 3412-3418	2	43
216	Doppler cloak restores invisibility to objects in relativistic motion. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	43
215	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
214	Horn Antennas With Integrated Notch Filters. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 781-785	4.9	42
213	Miniaturized negative permeability materials. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 071121	3.4	41
212	Plasmonic cloaking for irregular objects with anisotropic scattering properties. <i>Physical Review E</i> , <b>2010</b> , 81, 026602	2.4	40
211	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3512-3525	4.9	38
210	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
209	Cloaking apertureless near-field scanning optical microscopy tips. <i>Optics Letters</i> , <b>2011</b> , 36, 211-3	3	35
208	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

207	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 882-891	4.9	32
206	Satellite Applications of Electromagnetic Cloaking. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4931-4934	4.9	31
205	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
204	Optical invisibility through metasurfaces made of plasmonic nanoparticles. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 123103	2.5	30
203	A new efficient method of analysis for inhomogeneous media shields and filters. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2001</b> , 43, 394-399	2	30
202	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
201	Enhanced transmission through a subwavelength aperture using metamaterials. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 052103	3.4	28
200	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
199	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
198	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1542-1552	4.9	26
197	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
196	Light propagation through metamaterial temporal slabs: reflection, refraction, and special cases. <i>Optics Letters</i> , <b>2020</b> , 45, 5836-5839	3	24
195	Efficient and wideband horn nanoantenna. <i>Optics Letters</i> , <b>2011</b> , 36, 1743-5	3	23
194	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
193	Tunable scattering cancellation cloak with plasmonic ellipsoids in the visible. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	22
192	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
191	Very fast design formulas for microwave nonhomogeneous media filters. <i>Microwave and Optical Technology Letters</i> , <b>1999</b> , 22, 218-221	1.2	22
190	Recent Trends in the World Gas Market: Economical, Geopolitical and Environmental Aspects. <i>Sustainability</i> , <b>2016</b> , 8, 154	3.6	21

189	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
188	Enhanced transmission through a sub-wavelength aperture: resonant approaches employing metamaterials. <i>Journal of Optics</i> , <b>2009</b> , 11, 114029		20
187	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1717-1725	4.9	20
186	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
185	Optical Scattering Cancellation through Arrays of Plasmonic Nanoparticles: A Review. <i>Photonics</i> , <b>2015</b> , 2, 540-552	2.2	19
184	ANOMALOUS PROPERTIES OF SCATTERING FROM CAVITIES PARTIALLY LOADED WITH DOUBLE-NEGATIVE OR SINGLE-NEGATIVE METAMATERIALS. <i>Progress in Electromagnetics Research</i> , <b>2005</b> , 51, 49-63	3.8	19
183	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, 1141-1148	4.9	18
182	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
181	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
180	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
179	Scattering Manipulation and Camouflage of Electrically Small Objects through Metasurfaces. <i>Physical Review Applied</i> , <b>2017</b> , 7,	4.3	17
178	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
177	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
176	Metamaterial biosensor for cancer detection <b>2011</b> ,		17
175	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
174	Radiation and scattering features of patch antennas with bianisotropic substrates. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 449-456	4.9	17
173	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1851-1859	4.9	17
172	Design of cloaked Yagi-Uda antennas. <i>EPJ Applied Metamaterials</i> , <b>2016</b> , 3, 10	0.8	16

171	Multi-functional dipole antennas based on artificial magnetic metamaterials. <i>IET Microwaves, Antennas and Propagation</i> , <b>2010</b> , 4, 1026	1.6	16
170	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
169	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
168	Design and experimental validation of dual-band circularly polarised horn filtenna. <i>Electronics Letters</i> , <b>2017</b> , 53, 641-642	1.1	14
167	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
166	Fast ray-tracing technique for electromagnetic field prediction in mobile communications. <i>IEEE Transactions on Magnetics</i> , <b>2003</b> , 39, 1238-1241	2	14
165	FEM-BEM formulation for the analysis of cavity-backed patch antennas on chiral substrates. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 306-311	4.9	14
164	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 3583-3593	4.9	13
163	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
162	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
161	Scattering cancellation by metamaterial cylindrical multilayers. <i>Journal of the European Optical Society-Rapid Publications</i> , <b>2009</b> , 4,	2.5	13
160	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1799-1811	4.9	13
159	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
158	Narrowband transparent absorbers based on ellipsoidal nanoparticles. <i>Applied Optics</i> , <b>2017</b> , 56, 7533-7538	3.7	12
157	Angular Momentum-biased metamaterials for filtering waveguide components and antennas with non-reciprocal behavior <b>2014</b> ,		12
156	Rigorous and efficient full-wave analysis of trapezoidal patch antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2001</b> , 49, 1773-1776	4.9	12
155	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
154	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

153	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
152	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2004</b> , 53, 1434-1440	6.8	11
151	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
150	Design of multi-layer mantle cloaks <b>2014</b> ,		10
149	. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , <b>2017</b> , 2, 168-173	1.5	10
148	Broad-Band U-Slot Patch Antennas Loaded By Chiral Material. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2001</b> , 15, 1303-1317	1.3	10
147	Parametric analysis of slot-loaded trapezoidal patch antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2002</b> , 50, 1291-1298	4.9	10
146	Sustainable Acoustic Metasurfaces for Sound Control. <i>Sustainability</i> , <b>2016</b> , 8, 107	3.6	10
145	The Design of Optical Circuit-Analog Absorbers through Electrically Small Nanoparticles. <i>Photonics</i> , <b>2019</b> , 6, 26	2.2	9
144	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
143	Linear-to-circular polarization transformer using electrically small antennas <b>2012</b> ,		9
142	Compact leaky-wave components using metamaterial bilayers <b>2005</b> ,		9
141	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
140	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
139	Analysis of L $\Pi$ transmission line metamaterials with coupled inductances. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 94-97	1.2	8
138	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 2891-2898	4.9	8
137	A New Stripline High Pass Filter Layout. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2000</b> , 14, 423-439	1.3	8
136	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

135	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
134	Metasurface-based anti-reflection coatings at optical frequencies. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 055001	1.7	7
133	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
132	Extended method of line procedure for the analysis of microwave components with bianisotropic inhomogeneous media. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 1582-1589	4.9	7
131	Towards Waveform-Selective Cloaking Devices Exploiting Circuit-Loaded Metasurfaces <b>2018</b> ,		7
130	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
129	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
128	Metasurface mantle cloak for antenna applications <b>2012</b> ,		6
127	Metamaterial resonator arrays for organic and inorganic compound sensing <b>2011</b> ,		6
126	Polygonal Patch Antennas with Reactive Impedance Surfaces. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2006</b> , 20, 169-182	1.3	6
125	Method of lines numerical analysis of conformal antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2004</b> , 52, 1530-1540	4.9	6
124	MOM ENTIRE DOMAIN BASIS FUNCTIONS FOR CONVEX POLYGONAL PATCHES. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2003</b> , 17, 1519-1538	1.3	6
123	Scattering properties of antennas residing in cavities filled by inhomogeneous materials via a variational formulation. <i>Journal of Modern Optics</i> , <b>1999</b> , 46, 1995-2005	1.1	6
122	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
121	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
120	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
119	Restoring the radiating performances of shortened horn antennas over a broad frequency range <b>2013</b> ,		5
118	Single patch antenna generating electromagnetic field with orbital angular momentum <b>2013</b> ,		5

117	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
116	Theoretical and experimental analysis of magnetic inclusions for the realization of metamaterials at different frequencies. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , <b>2007</b> ,		5
115	Rome 2006: Third Workshop on "Metamaterials and Special Materials for Electromagnetic Applications and TLC". <i>IEEE Antennas and Propagation Magazine</i> , <b>2006</b> , 48, 130-132	1.7	5
114	On EBG Structures for Cellular Phone Applications. <i>AEU - International Journal of Electronics and Communications</i> , <b>2003</b> , 57, 403-408	2.8	5
113	Design of Inhomogeneous Slabs for Filtering Applications Via Closed Form Solutions of the Reflection Coefficient. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2002</b> , 16, 1233-1254	1.3	5
112	Microstrip Disk Antennas With Inhomogeneous Artificial Dielectrics. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2000</b> , 14, 1203-1227	1.3	5
111	Perfect matching of reactive-loaded transmission lines through complex excitation <b>2020</b> ,		5
110	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
109	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
108	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
107	Mantle cloak devices for TE and TM polarizations <b>2013</b> ,		4
106	Spatio-temporal modulated Doppler cloak for antenna matching at relativistic velocity <b>2017</b> ,		4
105	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
104	Power-selectivity horn filtenna loaded with a nonlinear SRR <b>2015</b> ,		4
103	DESIGN OF POLYGONAL PATCH ANTENNAS FOR PORTABLE DEVICES. <i>Progress in Electromagnetics Research B</i> , <b>2010</b> , 24, 33-47	0.7	4
102	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
101	<b>2008</b> ,		4
100	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

99	DESIGN OF AN ACTIVE INTEGRATED ANTENNA FOR A PCMCIA CARD. <i>Progress in Electromagnetics Research</i> , <b>2006</b> , 61, 253-270	3.8	4
98	Design of polygonal patch antennas with a broad-band behavior via a proper perturbation of conventional rectangular radiators		4
97	BROAD-BAND TUNING OF AN AIA AMPLIFIER USING 1-D PBG TRANSMISSION LINES. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2003</b> , 17, 571-584	1.3	4
96	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 3134-3141	4.9	4
95	Generalized Reflection Coefficient for Non Uniform Transmission Lines. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2000</b> , 14, 945-959	1.3	4
94	Analysis of cavity backed rectangular patch antennas with inhomogeneous chiral substrates via a FEM-BEM formulation. <i>IEEE Transactions on Magnetics</i> , <b>2001</b> , 37, 3260-3263	2	4
93	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
92	Metasurface virtual absorbers: unveiling operative conditions through equivalent lumped circuit model. <i>EPJ Applied Metamaterials</i> , <b>2021</b> , 8, 3	0.8	4
91	Reconfigurable Electromagnetics through Metamaterials. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-2	1.2	3
90	Robustness of Acoustic Scattering Cancellation to Parameter Variations. <i>Sustainability</i> , <b>2014</b> , 6, 4416-4425	3.5	3
89	Design and simulations of dual-polarized mantle cloaking devices <b>2013</b> ,		3
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83	Design of a non-foster actively loaded metamaterial-inspired antenna <b>2012</b> ,		3
82	Miniaturization and Characterization of Metamaterial Resonant Particles <b>2008</b> ,		3

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42	Non-linear Mantle Cloaks for Self-Configurable Power-Dependent Phased Arrays <b>2020</b> ,		2
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