

Miguel Beruete

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.

169
papers

3,716
citations

32
h-index

53
g-index

267
ext. papers

4,771
ext. citations

3.1
avg, IF

5.55
L-index

#	Paper	IF	Citations
169	Experimental demonstration of deeply subwavelength dielectric sensing with epsilon-near-zero (ENZ) waveguides. <i>Applied Physics Letters</i> , 2022 , 120, 081106	3.4	0
168	Ultrathin and high-efficiency Pancharatnam-Berry phase metalens for millimeter waves. <i>Applied Physics Letters</i> , 2021 , 118, 221105	3.4	0
167	Metageometries for Polycyclic Aromatic Hydrocarbon Detection at THz Range in Food Systems 2021 , 5, 1-4		
166	Bullseye Antenna With Circular Polarization at Millimeter Waves Based on Ridge Gap Waveguide Technology. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2376-2379	4.9	
165	Highly Efficient Focusing of Terahertz Waves with an Ultrathin Superoscillatory Metalens: Experimental Demonstration. <i>Advanced Photonics Research</i> , 2021 , 2, 2000165	1.9	1
164	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5778-5783	4.9	6
163	Ultrathin Subterahertz Half-Wave Plate With High Conversion Efficiency Based on Zigzag Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7700-7704	4.9	5
162	Application of MIR Spectroscopy to the Evaluation of Chemical Composition and Quality Parameters of Foal Meat: A Preliminary Study. <i>Foods</i> , 2020 , 9,	4.9	4
161	Silicon carbide as a material-based high-impedance surface for enhanced absorption within ultra-thin metallic films. <i>Optics Express</i> , 2020 , 28, 31624-31636	3.3	3
160	Revealing the underlying mechanisms behind TE extraordinary THz transmission. <i>Photonics Research</i> , 2020 , 8, 430	6	7
159	Tripod-Loop Metasurfaces for Terahertz-Sensing Applications: A Comparison. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6504	2.6	2
158	Lipid and Protein Oxidation Marker Compounds in Horse Meat Determined by MIR Spectroscopy. <i>Foods</i> , 2020 , 9,	4.9	1
157	Terahertz Sensing Based on Metasurfaces. <i>Advanced Optical Materials</i> , 2020 , 8, 1900721	8.1	68
156	Far-Field and Near-Field Physics of Extraordinary THz Transmitting Hole-Array Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6029-6038	4.9	10
155	On the performance of an ENZ-based sensor using transmission line theory and effective medium approach. <i>New Journal of Physics</i> , 2019 , 21, 043056	2.9	22
154	Photonic nanojets with mesoscale high-index dielectric particles. <i>Journal of Applied Physics</i> , 2019 , 125, 084104	2.5	17
153	Labyrinth Metasurface for Biosensing Applications: Numerical Study on the New Paradigm of Metageometries. <i>Sensors</i> , 2019 , 19,	3.8	9

152	Extraordinary THz Transmission with a Small Beam Spot: The Leaky Wave Mechanism. <i>Advanced Optical Materials</i> , 2018 , 6, 1701312	8.1	15
151	Ku-Band Low-Profile Asymmetric Bull's-Eye Antenna With Reduced Sidelobes and Monopole Feeding. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 401-404	3.8	2
150	Flat Corrugated and Bull's-Eye Antennas. <i>Signals and Communication Technology</i> , 2018 , 111-141	0.5	4
149	Tunable deflection and asymmetric transmission of THz waves using a thin slab of graphene-dielectric metamaterial, with and without ENZ components. <i>Optical Materials Express</i> , 2018 , 8, 3887	2.6	9
148	All-metallic epsilon-near-zero graded-index converging lens at terahertz frequencies 2018 ,		4
147	Angle-Susceptible Sensing Metasurface in Terahertz Regime. <i>EPJ Web of Conferences</i> , 2018 , 195, 06010	0.3	
146	THz Sensing With Anomalous Extraordinary Optical Transmission Hole Arrays. <i>Sensors</i> , 2018 , 18,	3.8	17
145	Angle-Susceptible Narrowband Terahertz Metasurface for Thin-Film Sensing 2018 ,		2
144	Super-Oscillatory Metalens at Terahertz for Enhanced Focusing with Reduced Side Lobes. <i>Photonics</i> , 2018 , 5, 56	2.2	7
143	Steering surface plasmons with a graded index dielectric medium. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 485101	3	5
142	Phase Reversal Technique Applied to Fishnet Metalenses. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-8	1.2	3
141	Labyrinth Metasurface Absorber for Ultra-High-Sensitivity Terahertz Thin Film Sensing. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018 , 12, 1800375	2.5	13
140	Mid-Infrared Spectroscopy (MIR) for Simultaneous Determination of Fat and Protein Content in Meat of Several Animal Species. <i>Food Analytical Methods</i> , 2017 , 10, 3462-3470	3.4	22
139	High Aperture Efficiency Wide Corrugations Bull's-Eye Antenna Working at 60 GHz. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 3226-3230	4.9	11
138	On the Performance of the Zoned Fishnet Metamaterial Lens With Positive and Negative Reference Phase. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1460-1463	3.8	6
137	Experimental Realization of an Epsilon-Near-Zero Graded-Index Metalens at Terahertz Frequencies. <i>Physical Review Applied</i> , 2017 , 8,	4.3	42
136	Nonbianisotropic complementary split ring resonators as angular selective metasurfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, D56	1.7	3
135	Aluminum Nanotripods for Light-Matter Coupling Robust to Nanoemitter Orientation. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1700051	8.3	6

134	One-way quasiplanar terahertz absorbers using nonstructured polar dielectric layers. <i>Physical Review B</i> , 2017 , 96,	3.3	13
133	Response of complementary split ring resonators in composite stratified substrate integrated waveguide. <i>Journal of Applied Physics</i> , 2017 , 121, 194902	2.5	
132	Sensing at Terahertz Frequencies. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 301-327	0.3	4
131	3-D-Printed 96 GHz Bullseye Antenna With Off-Axis Beaming. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 17-25	4.9	24
130	Experimental Demonstration of Metasurface-Based Ultrathin Carpet Cloaks for Millimeter Waves. <i>Advanced Optical Materials</i> , 2017 , 5, 1600606	8.1	61
129	Annular Apertures in Metallic Screens as Extraordinary Transmission and Frequency Selective Surface Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 4933-4946	4.1	13
128	Wideband backscattering reduction at terahertz using compound reflection grating. <i>Optics Express</i> , 2017 , 25, 22905-22910	3.3	3
127	Subwavelength, standing-wave optical trap based on photonic jets. <i>Quantum Electronics</i> , 2016 , 46, 555-558		23
126	Improving the performance of the zoned fishnet metalens using the reference phase technique 2016 ,		1
125	Description of Bow-Tie Nanoantennas Excited by Localized Emitters Using Conformal Transformation. <i>ACS Photonics</i> , 2016 , 3, 1223-1232	6.3	21
124	[INVITED] Epsilon-near-zero metalenses operating in the visible: Invited paper for the section : Hot topics in Metamaterials and Structures. <i>Optics and Laser Technology</i> , 2016 , 80, 162-168	4.2	15
123	Accurate Circuit Modeling of Fishnet Structures for Negative-Index-Medium Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 15-26	4.1	17
122	Increasing Surface Plasmons Propagation via Photonic Nanojets with Periodically Spaced 3D Dielectric Cuboids. <i>Photonics</i> , 2016 , 3, 10	2.2	21
121	Broadband frequency and angular response of a sinusoidal bullseye antenna. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 265103	3	6
120	Comprehensive analysis of photonic nanojets in 3D dielectric cuboids excited by surface plasmons. <i>Annalen Der Physik</i> , 2016 , 528, 684-692	2.6	22
119	2016 ,		2
118	Beam compressed system concept based on dielectric cluster of self-similar three-dimensional dielectric cuboids 2016 ,		3
117	Experimental demonstration of metamaterials application for mitigating scan blindness in phased array antennas. <i>EPJ Applied Metamaterials</i> , 2016 , 3, 9	0.8	6

116	Diffusive-light invisibility cloak for transient illumination. <i>Physical Review A</i> , 2016 , 94,	2.6	8
115	Indium tin oxide refractometer in the visible and near infrared via lossy mode and surface plasmon resonances with Kretschmann configuration. <i>Applied Physics Letters</i> , 2016 , 108, 043507	3.4	17
114	Wide angle terahertz sensing with a cross-dipole frequency selective surface. <i>Applied Physics Letters</i> , 2016 , 108, 111104	3.4	19
113	Hybrid equivalent source BD ray-launching simulation technique for deterministic estimation of radiated emissions of electrical appliances. <i>Journal of Electromagnetic Waves and Applications</i> , 2016 , 30, 415-430	1.3	
112	Tunable beam steering enabled by graphene metamaterials. <i>Optics Express</i> , 2016 , 24, 8848-61	3.3	19
111	Planar holographic metasurfaces for terahertz focusing. <i>Scientific Reports</i> , 2015 , 5, 7738	4.9	50
110	Zoned Fishnet Lens Antenna With Reference Phase for Side-Lobe Reduction. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3710-3714	4.9	8
109	Multiband one-way polarization conversion in complementary split-ring resonator based structures by combining chirality and tunneling. <i>Optics Express</i> , 2015 , 23, 13517-29	3.3	15
108	Exploiting the dispersion of the double-negative-index fishnet metamaterial to create a broadband low-profile metallic lens. <i>Optics Express</i> , 2015 , 23, 8555-64	3.3	21
107	Localized photonic jets from flat, three-dimensional dielectric cuboids in the reflection mode. <i>Optics Letters</i> , 2015 , 40, 2329-32	3	40
106	Focus on terahertz plasmonics. <i>New Journal of Physics</i> , 2015 , 17, 100201	2.9	6
105	Multifrequency focusing and wide angular scanning of terajets. <i>Optics Letters</i> , 2015 , 40, 245-8	3	38
104	All-dielectric periodic terajet waveguide using an array of coupled cuboids. <i>Applied Physics Letters</i> , 2015 , 106, 254102	3.4	29
103	77-GHz High-Gain Bullseye Antenna With Sinusoidal Profile. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 205-208	3.8	30
102	Experimental Demonstration of a Millimeter-Wave Metallic ENZ Lens Based on the Energy Squeezing Principle. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 231-239	4.9	34
101	Terahertz carpet cloak based on a ring resonator metasurface. <i>Physical Review B</i> , 2015 , 91,	3.3	86
100	Principles of THz Generation 2015 , 3-68		5
99	Soret fishnet metalens antenna. <i>Scientific Reports</i> , 2015 , 5, 9988	4.9	11

98	Wood zone plate fishnet metalens. <i>EPJ Applied Metamaterials</i> , 2015 , 2, 8	0.8	6
97	Experimental demonstration of deflection angle tuning in unidirectional fishnet metamaterials at millimeter-waves. <i>Applied Physics Letters</i> , 2015 , 106, 061109	3.4	9
96	Experimental demonstration of lossy mode and surface plasmon resonance generation with Kretschmann configuration. <i>Optics Letters</i> , 2015 , 40, 4739-42	3	25
95	?-near-zero (ENZ) graded index quasi-optical devices: steering and splitting millimeter waves. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 094009	1.7	21
94	Compact Dual-Band Terahertz Quarter-Wave Plate Metasurface. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1679-1682	2.2	16
93	Mid-infrared plasmonic inductors: enhancing inductance with meandering lines. <i>Scientific Reports</i> , 2014 , 4, 3592	4.9	9
92	Mid-infrared Plasmonic Inductors 2014 ,		1
91	High-Q series coupled microstrip split-ring resonator device. <i>Waves in Random and Complex Media</i> , 2014 , 24, 218-226	1.9	0
90	Blind spot mitigation in phased array antenna using metamaterials 2014 ,		2
89	Zoned near-zero refractive index fishnet lens antenna: Steering millimeter waves. <i>Journal of Applied Physics</i> , 2014 , 115, 124902	2.5	20
88	Mechanical 144 GHz beam steering with all-metallic epsilon-near-zero lens antenna. <i>Applied Physics Letters</i> , 2014 , 105, 243503	3.4	36
87	Terajets produced by dielectric cuboids. <i>Applied Physics Letters</i> , 2014 , 105, 084102	3.4	66
86	Metaradome for blind spot mitigation in phased-array antennas 2014 ,		4
85	Frozen mode from hybridized extraordinary transmission and Fabry-Perot resonances. <i>Physical Review B</i> , 2013 , 87,	3.3	9
84	Plasmonic Nanoantennas for Multispectral Surface-Enhanced Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18620-18626	3.8	56
83	Terahertz Corrugated and Bull's-Eye Antennas. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 740-747	3.4	29
82	Wideband unidirectional transmission with tunable sign-switchable refraction and deflection in nonsymmetric structures. <i>Physical Review B</i> , 2013 , 88,	3.3	20
81	Terahertz epsilon-near-zero graded-index lens. <i>Optics Express</i> , 2013 , 21, 9156-66	3.3	46

80	Hedgehog subwavelength hole arrays: control over the THz enhanced transmission. <i>New Journal of Physics</i> , 2013 , 15, 013003	2.9	4
79	Ultra-compact planoconcave zoned metallic lens based on the fishnet metamaterial. <i>Applied Physics Letters</i> , 2013 , 103, 183507	3.4	24
78	High numerical aperture and low-loss negative refraction based on the fishnet rich anisotropy. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012 , 10, 263-270	2.6	5
77	Lensing system and Fourier transformation using epsilon-near-zero metamaterials. <i>Physical Review B</i> , 2012 , 86,	3.3	29
76	Fishnet metamaterial from an equivalent circuit perspective. <i>Applied Physics Letters</i> , 2012 , 101, 244101	3.4	17
75	Quarter-Wave Plate Based on Dielectric-Enabled Extraordinary Resonant Transmission. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 945-947	2.2	12
74	Impact of high power interference sources in planning and deployment of wireless sensor networks and devices in the 2.4 GHz frequency band in heterogeneous environments. <i>Sensors</i> , 2012 , 12, 15689-708	3.8	33
73	Toward compact millimeter-wave diode in thin stacked-hole array assisted by a dielectric grating. <i>Applied Physics Letters</i> , 2011 , 99, 154101	3.4	10
72	Circuit approach to the minimal configuration of terahertz anomalous extraordinary transmission. <i>Applied Physics Letters</i> , 2011 , 98, 014106	3.4	24
71	Beamforming by Left-Handed Extraordinary Transmission Metamaterial Bi- and Plano-Concave Lens at Millimeter-Waves. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 2141-2151	4.9	22
70	Numerical and experimental parametric analysis of anomalous enhanced transmission through subwavelength apertures. <i>Metamaterials</i> , 2011 , 5, 125-134		3
69	Redshifting extraordinary transmission by simple inductance addition. <i>Physical Review B</i> , 2011 , 84,	3.3	11
68	Dual-band double-negative-index fishnet metamaterial at millimeter-waves. <i>Optics Letters</i> , 2011 , 36, 4245-7	3	3
67	Enhanced lens by ϵ -near-zero metamaterial boosted by extraordinary optical transmission. <i>Physical Review B</i> , 2011 , 83,	3.3	37
66	Mastering the Propagation Through Stacked Perforated Plates: Subwavelength Holes vs. Propagating Holes. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 2980-2988	4.9	6
65	DUPLEXERS AND MULTIPLEXERS BASED ON MICROSTRIP LINE LOADED WITH COMPLEMENTARY SPLIT RING RESONATORS. <i>Progress in Electromagnetics Research Letters</i> , 2011 , 27, 9-16	0.5	3
64	TRANSMISSION PROPERTIES OF STACKED SRR METASURFACES IN FREE SPACE. <i>Progress in Electromagnetics Research M</i> , 2011 , 20, 1-11	0.6	0
63	A SLOW LIGHT FISHNET-LIKE ABSORBER IN THE MILLIMETER-WAVE RANGE. <i>Progress in Electromagnetics Research</i> , 2011 , 118, 287-301	3.8	8

62	Negative group delay through subwavelength hole arrays. <i>Physical Review B</i> , 2011 , 84,	3.3	6
61	Route for Bulk Millimeter Wave and Terahertz Metamaterial Design. <i>IEEE Journal of Quantum Electronics</i> , 2011 , 47, 375-385	2	26
60	Understanding Anomalous Extraordinary Transmission From Equivalent Circuit and Grounded Slab Concepts. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2180-2188	4.1	33
59	Enhancing the Dual-Band Guiding Capabilities of Coaxial Spoof Plasmons via use of Transmission Line Concepts. <i>Plasmonics</i> , 2011 , 6, 295-299	2.4	9
58	POLARIZATION-TUNABLE NEGATIVE OR POSITIVE REFRACTION IN SELF-COMPLEMENTARINESS-BASED EXTRAORDINARY TRANSMISSION PRISM. <i>Progress in Electromagnetics Research</i> , 2010 , 103, 101-114	3.8	6
57	Development and Characterization of Quasi-Optical Mesh Filters and Metastructures for Subterahertz and Terahertz Applications. <i>Key Engineering Materials</i> , 2010 , 437, 276-280	0.4	24
56	Comments on \square High-Gain Antenna Consisting of Two Slot Elements With a Space Larger Than a Wavelength \square <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 1279-1280	3.8	1
55	Strong lateral displacement in polarization anisotropic extraordinary transmission metamaterial. <i>New Journal of Physics</i> , 2010 , 12, 063037	2.9	17
54	Stacked complementary metasurfaces for ultraslow microwave metamaterials. <i>Applied Physics Letters</i> , 2010 , 96, 164103	3.4	14
53	Millimeter-wave phase resonances in compound reflection gratings with subwavelength grooves. <i>Optics Express</i> , 2010 , 18, 23957-64	3.3	8
52	Single negative birefringence in stacked spoof plasmon metasurfaces by prism experiment. <i>Optics Letters</i> , 2010 , 35, 643-5	3	11
51	Wireless channel modeling for campus sensor networks 2010 ,		1
50	Selective dual-band subwavelength-hole-arrays-based polariser. <i>IET Microwaves, Antennas and Propagation</i> , 2010 , 4, 1092	1.6	
49	Fresh metamaterials ideas for metallic lenses. <i>Metamaterials</i> , 2010 , 4, 119-126		3
48	Viability of focusing effect by left-handed stacked subwavelength hole arrays. <i>Physica B: Condensed Matter</i> , 2010 , 405, 2950-2954	2.8	4
47	ULTRA-WIDEBAND METAMATERIAL FILTER BASED ON ELECTROINDUCTIVE-WAVE COUPLING BETWEEN MICROSTRIPS. <i>Progress in Electromagnetics Research Letters</i> , 2009 , 12, 141-150	0.5	8
46	Connection between extraordinary transmission and negative refraction in a prism of stacked sub-wavelength hole arrays. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 165504	3	6
45	Experimental demonstration of phase resonances in metallic compound gratings with subwavelength slits in the millimeter wave regime. <i>Applied Physics Letters</i> , 2009 , 94, 091107	3.4	37

44	Electroinductive waves role in left-handed stacked complementary split rings resonators. <i>Optics Express</i> , 2009 , 17, 1274-81	3.3	14
43	Regular and anomalous extraordinary optical transmission at the THz-gap. <i>Optics Express</i> , 2009 , 17, 11730-38	3.3	44
42	Broadband spoof plasmons and subwavelength electromagnetic energy confinement on ultrathin metafilms. <i>Optics Express</i> , 2009 , 17, 18184-95	3.3	114
41	Millimeter-Wave Left-Handed Extraordinary Transmission Metamaterial Demultiplexer. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 212-215	3.8	8
40	Negative refraction through an extraordinary transmission left-handed metamaterial slab. <i>Physical Review B</i> , 2009 , 79,	3.3	23
39	Wave propagation properties in stacked SRR/CSRR metasurfaces at microwave frequencies 2009 ,		1
38	Extraordinary Transmission surfaces as superstrate 2009 ,		3
37	Converging biconcave metallic lens by double-negative extraordinary transmission metamaterial. <i>Applied Physics Letters</i> , 2009 , 94, 144107	3.4	17
36	Negative refraction in a prism made of stacked subwavelength hole arrays. <i>Optics Express</i> , 2008 , 16, 5603-3	3.3	45
35	Planoconcave lens by negative refraction of stacked subwavelength hole arrays. <i>Optics Express</i> , 2008 , 16, 9677-83	3.3	35
34	Polypropylene-substrate-based SRR- and CSRR- metasurfaces for submillimeter waves. <i>Optics Express</i> , 2008 , 16, 18312-9	3.3	26
33	Polarization selection with stacked hole array metamaterial. <i>Journal of Applied Physics</i> , 2008 , 103, 053102.5	3.3	42
32	Comment on A waveguide slit array antenna fabricated with subwavelength periodic grooves Appl. Phys. Lett. 91, 143512 (2007) <i>Applied Physics Letters</i> , 2008 , 93, 156101	3.4	4
31	Metamaterial multiresonances in waveguide and metasurfaces. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 2825-2827	1.2	5
30	Inhibiting Left-Handed Wave Propagation by a Band Gap of Stacked Cut-Off Metallic Hole Arrays. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 16-18	2.6	4
29	Molding Left- or Right-Handed Metamaterials by Stacked Cutoff Metallic Hole Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 1514-1521	4.9	53
28	Enhanced Gain by Double-Periodic Stacked Subwavelength Hole Array. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 831-833	2.6	16
27	Left-handed behavior in a microstrip line loaded with squared split-ring resonators and an EBG pattern. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 2689-2692	1.2	5

26	Parametrical study of left-handed or right-handed propagation by stacking hole arrays. <i>Optical and Quantum Electronics</i> , 2007 , 39, 285-293	2.4	4
25	Very Low Profile and Dielectric Loaded Feeder Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007 , 6, 544-548	3.8	21
24	Extraordinary transmission and left-handed propagation in miniaturized stacks of doubly periodic subwavelength hole arrays. <i>Optics Express</i> , 2007 , 15, 1107-14	3.3	54
23	Polarized left-handed extraordinary optical transmission of subterahertz waves. <i>Optics Express</i> , 2007 , 15, 8125-34	3.3	20
22	Quasioptical Polarizer Based on Self-Complementary Sub-Wavelength Hole Arrays. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 834-836	2.6	18
21	Novel microstrip backward coupler with metamaterial cells for fully planar fabrication techniques. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1205-1209	1.2	15
20	Dual-band low-profile corrugated feeder antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 340-350	4.9	45
19	Electroinductive waves in chains of complementary metamaterial elements. <i>Applied Physics Letters</i> , 2006 , 88, 083503	3.4	67
18	Resonance and Cross-Polarization Effects in Conventional and Complementary Split Ring Resonator Periodic Screens. <i>Electromagnetics</i> , 2006 , 26, 247-260	0.8	24
17	Left-handed extraordinary optical transmission through a photonic crystal of subwavelength hole arrays. <i>Optics Express</i> , 2006 , 14, 5445-55	3.3	99
16	Enhanced millimeter wave transmission through quasioptical subwavelength perforated plates. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 1897-1903	4.9	64
15	Increase of the transmission in cut-off metallic hole arrays. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 116-118	2.6	32
14	Very low-profile "Bull's Eye" feeder antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2005 , 4, 365-368	3.8	62
13	Low-profile corrugated feeder antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2005 , 4, 378-380,8	3.8	20
12	Complementary split-ring resonator for compact waveguide filter design. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 88-92	1.2	29
11	Strong microwave second order rejection band in opal-like structures. <i>Microwave and Optical Technology Letters</i> , 2005 , 47, 472-475	1.2	1
10	Subwavelength slotted corrugated plate with enhanced quasioptical millimeter wave transmission. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 286-288	2.6	13
9	Ab initioanalysis of frequency selective surfaces based on conventional and complementary split ring resonators. <i>Journal of Optics</i> , 2005 , 7, S38-S43		37

8	Enhanced microwave transmission and beaming using a subwavelength slot in corrugated plate. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2004 , 3, 328-331	3.8	37
7	Babinet principle applied to the design of metasurfaces and metamaterials. <i>Physical Review Letters</i> , 2004 , 93, 197401	7.4	596
6	Transmission in cut-off hole arrays 2004 ,		1
5	Enhanced millimeter-wave transmission through subwavelength hole arrays. <i>Optics Letters</i> , 2004 , 29, 2500-2	3	126
4	Interaction effects between electromagnetic bandgap structures and split ring resonators in microstrip technology		2
3	Enhanced microwave transmission using a subwavelength slot in corrugated plate		2
2	Metamaterial microstrip backward couplers for fully planar fabrication techniques		1
1	Resonance and cross-polarization effects in conventional and complementary split ring resonators periodic screens		3