Miguel Beruete

List of Publications by Year
in descending order

263 papers	5,386 citations	87843 38 h-index	106281 65 g-index
268 all docs	268 docs citations	268 times ranked	3339 citing authors

#	Article	IF	Citations
1	Babinet Principle Applied to the Design of Metasurfaces and Metamaterials. Physical Review Letters, 2004, 93, 197401.	2.9	784
2	Terahertz Sensing Based on Metasurfaces. Advanced Optical Materials, 2020, 8, 1900721.	3.6	195
3	Enhanced millimeter-wave transmission through subwavelength hole arrays. Optics Letters, 2004, 29, 2500.	1.7	175
4	Left-handed extraordinary optical transmission through a photonic crystal of subwavelength hole arrays. Optics Express, 2006, 14, 5445.	1.7	135
5	Broadband spoof plasmons and subwavelength electromagnetic energy confinement on ultrathin metafilms. Optics Express, 2009, 17, 18184.	1.7	134
6	Terahertz carpet cloak based on a ring resonator metasurface. Physical Review B, 2015, 91, .	1.1	114
7	Terajets produced by dielectric cuboids. Applied Physics Letters, 2014, 105, .	1.5	99
8	Very low-profile "Bull's Eye" feeder antenna. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 365-368.	2.4	97
9	Enhanced millimeter wave transmission through quasioptical subwavelength perforated plates. IEEE Transactions on Antennas and Propagation, 2005, 53, 1897-1903.	3.1	87
10	Experimental Demonstration of Metasurfaceâ€Based Ultrathin Carpet Cloaks for Millimeter Waves. Advanced Optical Materials, 2017, 5, 1600606.	3.6	80
11	Electroinductive waves in chains of complementary metamaterial elements. Applied Physics Letters, 2006, 88, 083503.	1.5	77
12	Molding Left- or Right-Handed Metamaterials by Stacked Cutoff Metallic Hole Arrays. IEEE Transactions on Antennas and Propagation, 2007, 55, 1514-1521.	3.1	76
13	Dual-Band Low-Profile Corrugated Feeder Antenna. IEEE Transactions on Antennas and Propagation, 2006, 54, 340-350.	3.1	72
14	Plasmonic Nanoantennas for Multispectral Surface-Enhanced Spectroscopies. Journal of Physical Chemistry C, 2013, 117, 18620-18626.	1.5	71
15	Negative refraction in a prism made of stacked subwavelength hole arrays. Optics Express, 2008, 16, 560.	1.7	70
16	Extraordinary transmission and left-handed propagation in miniaturized stacks of doubly periodic subwavelength hole arrays. Optics Express, 2007, 15, 1107.	1.7	66
17	Planar Holographic Metasurfaces for Terahertz Focusing. Scientific Reports, 2015, 5, 7738.	1.6	65
18	Experimental Realization of an Epsilon-Near-Zero Graded-Index Metalens at Terahertz Frequencies. Physical Review Applied, 2017, 8, .	1.5	63

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19	Terahertz epsilon-near-zero graded-index lens. Optics Express, 2013, 21, 9156.	1.7	58
20	Planoconcave lens by negative refraction of stacked subwavelength hole arrays. Optics Express, 2008, 16, 9677.	1.7	56
21	Regular and anomalous extraordinary optical transmission at the THz-gap. Optics Express, 2009, 17, 11730.	1.7	56
22	Enhanced microwave transmission and beaming using a subwavelength slot in corrugated plate. IEEE Antennas and Wireless Propagation Letters, 2004, 3, 328-331.	2.4	55
23	Multifrequency focusing and wide angular scanning of terajets. Optics Letters, 2015, 40, 245.	1.7	55
24	On the performance of an ENZ-based sensor using transmission line theory and effective medium approach. New Journal of Physics, 2019, 21, 043056.	1.2	55
25	Polarization selection with stacked hole array metamaterial. Journal of Applied Physics, 2008, 103, .	1.1	54
26	Localized photonic jets from flat, three-dimensional dielectric cuboids in the reflection mode. Optics Letters, 2015, 40, 2329.	1.7	54
27	Ab initioanalysis of frequency selective surfaces based on conventional and complementary split ring resonators. Journal of Optics, 2005, 7, S38-S43.	1.5	51
28	Enhanced lens by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Îµ</mml:mi></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î¼</mml:mi></mml:mrow></mml:math>near-zero metamaterial boosted by extraordinary optical transmission. Physical Review B, 2011, 83, .	1.1	51
29	77-GHz High-Gain Bullâ€™s-Eye Antenna With Sinusoidal Profile. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 205-208.	2.4	50
30	Experimental Demonstration of a Millimeter-Wave Metallic ENZ Lens Based on the Energy Squeezing Principle. IEEE Transactions on Antennas and Propagation, 2015, 63, 231-239.	3.1	45
31	Terahertz Corrugated and Bull's-Eye Antennas. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 740-747.	2.0	44
32	Mechanical 144â€‰GHz beam steering with all-metallic epsilon-near-zero lens antenna. Applied Physics Letters, 2014, 105, .	1.5	44
33	Lensing system and Fourier transformation using epsilon-near-zero metamaterials. Physical Review B, 2012, 86, .	1.1	43
34	Experimental demonstration of phase resonances in metallic compound gratings with subwavelength slits in the millimeter wave regime. Applied Physics Letters, 2009, 94, 091107.	1.5	42
35	Ultra-compact planoconcave zoned metallic lens based on the fishnet metamaterial. Applied Physics Letters, 2013, 103, .	1.5	42
36	Mid-Infrared Spectroscopy (MIR) for Simultaneous Determination of Fat and Protein Content in Meat of Several Animal Species. Food Analytical Methods, 2017, 10, 3462-3470.	1.3	42

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37	Route for Bulk Millimeter Wave and Terahertz Metamaterial Design. IEEE Journal of Quantum Electronics, 2011, 47, 375-385.	1.0	40
38	3-D-Printed 96 GHz Bullâ€™s-Eye Antenna With Off-Axis Beaming. IEEE Transactions on Antennas and Propagation, 2017, 65, 17-25.	3.1	39
39	Increase of the transmission in cut-off metallic hole arrays. IEEE Microwave and Wireless Components Letters, 2005, 15, 116-118.	2.0	38
40	All-dielectric periodic terajet waveguide using an array of coupled cuboids. Applied Physics Letters, 2015, 106, .	1.5	38
41	Understanding Anomalous Extraordinary Transmission From Equivalent Circuit and Grounded Slab Concepts. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2180-2188.	2.9	37
42	Beamforming by Left-Handed Extraordinary Transmission Metamaterial Bi- and Plano-Concave Lens at Millimeter-Waves. IEEE Transactions on Antennas and Propagation, 2011, 59, 2141-2151.	3.1	36
43	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. Sensors, 2012, 12, 15689-15708.	2.1	36
44	Development and Characterization of Quasi-Optical Mesh Filters and Metastructures for Subterahertz and Terahertz Applications. Key Engineering Materials, 0, 437, 276-280.	0.4	35
45	Experimental demonstration of lossy mode and surface plasmon resonance generation with Kretschmann configuration. Optics Letters, 2015, 40, 4739.	1.7	35
46	Description of Bow-Tie Nanoantennas Excited by Localized Emitters Using Conformal Transformation. ACS Photonics, 2016, 3, 1223-1232.	3.2	34
47	Polypropylene-substrate-based SRR- and CSRR- metasurfaces for submillimeter waves. Optics Express, 2008, 16, 18312.	1.7	33
48	Comprehensive analysis of photonic nanojets in 3D dielectric cuboids excited by surface plasmons. Annalen Der Physik, 2016, 528, 684-692.	0.9	33
49	Wide angle terahertz sensing with a cross-dipole frequency selective surface. Applied Physics Letters, 2016, 108, .	1.5	33
50	Complementary split-ring resonator for compact waveguide filter design. Microwave and Optical Technology Letters, 2005, 46, 88-92.	0.9	32
51	Very Low Profile and Dielectric Loaded Feeder Antenna. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 544-548.	2.4	32
52	Exploiting the dispersion of the double-negative-index fishnet metamaterial to create a broadband low-profile metallic lens. Optics Express, 2015, 23, 8555.	1.7	32
53	THz Sensing With Anomalous Extraordinary Optical Transmission Hole Arrays. Sensors, 2018, 18, 3848.	2.1	32
54	Low-profile corrugated feeder antenna. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 378-380.	2.4	31

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55	Circuit approach to the minimal configuration of terahertz anomalous extraordinary transmission. Applied Physics Letters, 2011, 98, 014106.	1.5	31
56	Increasing Surface Plasmons Propagation via Photonic Nanojets with Periodically Spaced 3D Dielectric Cuboids. Photonics, 2016, 3, 10.	0.9	30
57	Resonance and Cross-Polarization Effects in Conventional and Complementary Split Ring Resonator Periodic Screens. Electromagnetics, 2006, 26, 247-260.	0.3	28
58	Negative refraction through an extraordinary transmission left-handed metamaterial slab. Physical Review B, 2009, 79, .	1.1	28
59	Wideband unidirectional transmission with tunable sign-switchable refraction and deflection in nonsymmetric structures. Physical Review B, 2013, 88, .	1.1	28
60	Ïµ-near-zero (ENZ) graded index quasi-optical devices: steering and splitting millimeter waves. Journal of Optics (United Kingdom), 2014, 16, 094009.	1.0	28
61	Subwavelength, standing-wave optical trap based on photonic jets. Quantum Electronics, 2016, 46, 555-557.	0.3	28
62	Extraordinary THz Transmission with a Small Beam Spot: The Leaky Wave Mechanism. Advanced Optical Materials, 2018, 6, 1701312.	3.6	27
63	Polarized left-handed extraordinary optical transmission of subterahertz waves. Optics Express, 2007, 15, 8125.	1.7	26
64	Quasioptical Polarizer Based on Self-Complementary Sub-Wavelength Hole Arrays. IEEE Microwave and Wireless Components Letters, 2007, 17, 834-836.	2.0	25
65	Photonic nanojets with mesoscale high-index dielectric particles. Journal of Applied Physics, 2019, 125, .	1.1	25
66	Compact Dual-Band Terahertz Quarter-Wave Plate Metasurface. IEEE Photonics Technology Letters, 2014, 26, 1679-1682.	1.3	24
67	Accurate Circuit Modeling of Fishnet Structures for Negative-Index-Medium Applications. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 15-26.	2.9	24
68	Labyrinth Metasurface Absorber for Ultraâ€Highâ€Sensitivity Terahertz Thin Film Sensing. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800375.	1.2	24
69	Enhanced Gain by Double-Periodic Stacked Subwavelength Hole Array. IEEE Microwave and Wireless Components Letters, 2007, 17, 831-833.	2.0	23
70	Converging biconcave metallic lens by double-negative extraordinary transmission metamaterial. Applied Physics Letters, 2009, 94, 144107.	1.5	23
71	Zoned near-zero refractive index fishnet lens antenna: Steering millimeter waves. Journal of Applied Physics, 2014, 115, 124902.	1.1	23
72	Tunable beam steering enabled by graphene metamaterials. Optics Express, 2016, 24, 8848.	1.7	23

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73	Fishnet metamaterial from an equivalent circuit perspective. Applied Physics Letters, 2012, 101, .	1.5	22
74	Indium tin oxide refractometer in the visible and near infrared via lossy mode and surface plasmon resonances with Kretschmann configuration. Applied Physics Letters, 2016, 108, .	1.5	22
75	Strong lateral displacement in polarization anisotropic extraordinary transmission metamaterial. New Journal of Physics, 2010, 12, 063037.	1.2	21
76	Annular Apertures in Metallic Screens as Extraordinary Transmission and Frequency Selective Surface Structures. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4933-4946.	2.9	20
77	Subwavelength slotted corrugated plate with enhanced quasioptical millimeter wave transmission. IEEE Microwave and Wireless Components Letters, 2005, 15, 286-288.	2.0	19
78	Novel microstrip backward coupler with metamaterial cells for fully planar fabrication techniques. Microwave and Optical Technology Letters, 2006, 48, 1205-1209.	0.9	19
79	High Aperture Efficiency Wide Corrugations Bullâ€™s-Eye Antenna Working at 60 GHz. IEEE Transactions on Antennas and Propagation, 2017, 65, 3226-3230.	3.1	19
80	Far-Field and Near-Field Physics of Extraordinary THz Transmitting Hole-Array Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 6029-6038.	3.1	19
81	Electroinductive waves role in left-handed stacked complementary split rings resonators. Optics Express, 2009, 17, 1274.	1.7	18
82	[INVITED] Epsilon-near-zero metalenses operating in the visible. Optics and Laser Technology, 2016, 80, 162-168.	2.2	18
83	Revealing the underlying mechanisms behind TE extraordinary THz transmission. Photonics Research, 2020, 8, 430.	3.4	18
84	Soret Fishnet Metalens Antenna. Scientific Reports, 2015, 5, 9988.	1.6	17
85	Multiband one-way polarization conversion in complementary split-ring resonator based structures by combining chirality and tunneling. Optics Express, 2015, 23, 13517.	1.7	17
86	Stacked complementary metasurfaces for ultraslow microwave metamaterials. Applied Physics Letters, 2010, 96, .	1.5	16
87	Redshifting extraordinary transmission by simple inductance addition. Physical Review B, 2011, 84, .	1.1	16
88	Quarter-Wave Plate Based on Dielectric-Enabled Extraordinary Resonant Transmission. IEEE Photonics Technology Letters, 2012, 24, 945-947.	1.3	16
89	Single negative birefringence in stacked spoof plasmon metasurfaces by prism experiment. Optics Letters, 2010, 35, 643.	1.7	15
90	ULTRA-WIDEBAND METAMATERIAL FILTER BASED ON ELECTROINDUCTIVE-WAVE COUPLING BETWEEN MICROSTRIPS. Progress in Electromagnetics Research Letters, 2009, 12, 141-150.	0.4	14

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91	Enhancing the Dual-Band Guiding Capabilities of Coaxial Spoof Plasmons via use of Transmission Line Concepts. Plasmonics, 2011, 6, 295-299.	1.8	14
92	Diffusive-light invisibility cloak for transient illumination. Physical Review A, 2016, 94, .	1.0	14
93	One-way quasiplanar terahertz absorbers using nonstructured polar dielectric layers. Physical Review B, 2017, 96, .	1.1	14
94	Aluminum Nanotripods for Lightâ€Matter Coupling Robust to Nanoemitter Orientation. Laser and Photonics Reviews, 2017, 11, 1700051.	4.4	13
95	Labyrinth Metasurface for Biosensing Applications: Numerical Study on the New Paradigm of Metageometries. Sensors, 2019, 19, 4396.	2.1	13
96	Toward compact millimeter-wave diode in thin stacked-hole array assisted by a dielectric grating. Applied Physics Letters, 2011, 99, .	1.5	12
97	Mid-infrared plasmonic inductors: Enhancing inductance with meandering lines. Scientific Reports, 2015, 4, 3592.	1.6	12
98	Experimental demonstration of deflection angle tuning in unidirectional fishnet metamaterials at millimeter-waves. Applied Physics Letters, 2015, 106, .	1.5	12
99	Zoned Fishnet Lens Antenna With Reference Phase for Side-Lobe Reduction. IEEE Transactions on Antennas and Propagation, 2015, 63, 3710-3714.	3.1	12
100	Super-Oscillatory Metalens at Terahertz for Enhanced Focusing with Reduced Side Lobes. Photonics, 2018, 5, 56.	0.9	12
101	Compact Groove Diamond Antenna in Gap Waveguide Technology With Broadband Circular Polarization at Millimeter Waves. IEEE Transactions on Antennas and Propagation, 2020, 68, 5778-5783.	3.1	12
102	POLARIZATION-TUNABLE NEGATIVE OR POSITIVE REFRACTION IN SELF-COMPLEMENTARINESS-BASED EXTRAORDINARY TRANSMISSION PRISM. Progress in Electromagnetics Research, 2010, 103, 101-114.	1.6	11
103	Frozen mode from hybridized extraordinary transmission and Fabry-Perot resonances. Physical Review B, 2013, 87, .	1.1	11
104	Focus on terahertz plasmonics. New Journal of Physics, 2015, 17, 100201.	1.2	10
105	Experimental demonstration of metamaterials application for mitigating scan blindness in phased array antennas. EPJ Applied Metamaterials, 2016, 3, 9.	0.8	10
106	Parametrical study of left-handed or right-handed propagation by stacking hole arrays. Optical and Quantum Electronics, 2007, 39, 285-293.	1.5	9
107	Connection between extraordinary transmission and negative refraction in a prism of stacked sub-wavelength hole arrays. Journal Physics D: Applied Physics, 2009, 42, 165504.	1.3	9
108	Millimeter-Wave Left-Handed Extraordinary Transmission Metamaterial Demultiplexer. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 212-215.	2.4	9

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109	Millimeter-wave phase resonances in compound reï¬‚ection gratings with subwavelength grooves. Optics Express, 2010, 18, 23957.	1.7	9
110	A SLOW LIGHT FISHNET-LIKE ABSORBER IN THE MILLIMETER-WAVE RANGE. Progress in Electromagnetics Research, 2011, 118, 287-301.	1.6	9
111	Negative group delay through subwavelength hole arrays. Physical Review B, 2011, 84, .	1.1	9
112	Metaradome for blind spot mitigation in phased-array antennas. , 2014, , .		9
113	Application of MIR Spectroscopy to the Evaluation of Chemical Composition and Quality Parameters of Foal Meat: A Preliminary Study. Foods, 2020, 9, 583.	1.9	9
114	Highly Efficient Focusing of Terahertz Waves with an Ultrathin Superoscillatory Metalens: Experimental Demonstration. Advanced Photonics Research, 2021, 2, 2000165.	1.7	9
115	Tunable deflection and asymmetric transmission of THz waves using a thin slab of graphene-dielectric metamaterial, with and without ENZ components. Optical Materials Express, 2018, 8, 3887.	1.6	9
116	Resonance and Cross-Polarization Effects in Conventional and Complementary Split Ring Resonators Periodic Screens. , 0, , .		8
117	Mastering the Propagation Through Stacked Perforated Plates: Subwavelength Holes vs. Propagating Holes. IEEE Transactions on Antennas and Propagation, 2011, 59, 2980-2988.	3.1	8
118	High numerical aperture and low-loss negative refraction based on the fishnet rich anisotropy. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 263-270.	1.0	8
119	Wood zone plate fishnet metalens. EPJ Applied Metamaterials, 2015, 2, 8.	0.8	8
120	Broadband frequency and angular response of a sinusoidal bullâ€™s eye antenna. Journal Physics D: Applied Physics, 2016, 49, 265103.	1.3	8
121	Steering surface plasmons with a graded index dielectric medium. Journal Physics D: Applied Physics, 2018, 51, 485101.	1.3	8
122	Ultrathin and high-efficiency Pancharatnamâ€“Berry phase metalens for millimeter waves. Applied Physics Letters, 2021, 118, .	1.5	8
123	Leftâ€handed behavior in a microstrip line loaded with squared splitâ€ring resonators and an EBG pattern. Microwave and Optical Technology Letters, 2007, 49, 2689-2692.	0.9	7
124	Metamaterial multiresonances in waveguide and metasurfaces. Microwave and Optical Technology Letters, 2008, 50, 2825-2827.	0.9	7
125	On the Performance of the Zoned Fishnet Metamaterial Lens With Positive and Negative Reference Phase. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1460-1463.	2.4	7
126	Nonbianisotropic complementary split ring resonators as angular selective metasurfaces. Journal of the Optical Society of America B: Optical Physics, 2017, 34, D56.	0.9	7

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127	All-metallic epsilon-near-zero graded-index converging lens at terahertz frequencies. , 2018, , .		7
128	Ultrathin Subterahertz Half-Wave Plate With High Conversion Efficiency Based on Zigzag Metasurface. IEEE Transactions on Antennas and Propagation, 2020, 68, 7700-7704.	3.1	7
129	Silicon carbide as a material-based high-impedance surface for enhanced absorption within ultra-thin metallic films. Optics Express, 2020, 28, 31624.	1.7	7
130	Viability of focusing effect by left-handed stacked subwavelength hole arrays. Physica B: Condensed Matter, 2010, 405, 2950-2954.	1.3	6
131	Broadband circular polarized field generation in single layer microstrip patch antennas. , 2016, , .		6
132	Flat Corrugated and Bullâ€™s-Eye Antennas. Signals and Communication Technology, 2018, , 111-141.	0.4	6
133	Angle-Susceptible Narrowband Terahertz Metasurface for Thin-Film Sensing. , 2018, , .		6
134	Extraordinary Transmission surfaces as superstrate. , 2009, , .		5
135	Blind spot mitigation in phased array antenna using metamaterials. , 2014, , .		5
136	Ku-Band Low-Profile Asymmetric Bull's-Eye Antenna With Reduced Sidelobes and Monopole Feeding. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 401-404.	2.4	5
137	Chiral SRR Metasurfaces for Circular Polarisation Conversion. , 2018, , .		5
138	Metamaterial microstrip backward couplers for fully planar fabrication techniques. , 0, , .		4
139	Inhibiting Left-Handed Wave Propagation by a Band Gap of Stacked Cut-Off Metallic Hole Arrays. IEEE Microwave and Wireless Components Letters, 2007, 17, 16-18.	2.0	4
140	Comment on â€œA waveguide slit array antenna fabricated with subwavelength periodic grooves Appl. Phys. Lett. 91, 143512 (2007)â€• Applied Physics Letters, 2008, 93, 156101.	1.5	4
141	Fresh metamaterials ideas for metallic lenses. Metamaterials, 2010, 4, 119-126.	2.2	4
142	Dual-band double-negative-index fishnet metamaterial at millimeter-waves. Optics Letters, 2011, 36, 4245.	1.7	4
143	DUPLEXERS AND MULTIPLEXERS BASED ON MICROSTRIP LINE LOADED WITH COMPLEMENTARY SPLIT RING RESONATORS. Progress in Electromagnetics Research Letters, 2011, 27, 9-16.	0.4	4
144	Hedgehog subwavelength hole arrays: control over the THz enhanced transmission. New Journal of Physics, 2013, 15, 013003.	1.2	4

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145	Beam compressed system concept based on dielectric cluster of self-similar three-dimensional dielectric cuboids. , 2016, , .		4
146	Quasioptical devices based on extraordinary transmission at THz. Proceedings of SPIE, 2016, , .	0.8	4
147	Ultrafast beam steering based on graphene metamaterial. , 2017, , .		4
148	Sensing at Terahertz Frequencies. Smart Sensors, Measurement and Instrumentation, 2017, , 301-327.	0.4	4
149	Tripod-Loop Metasurfaces for Terahertz-Sensing Applications: A Comparison. Applied Sciences (Switzerland), 2020, 10, 6504.	1.3	4
150	Experimental demonstration of deeply subwavelength dielectric sensing with epsilon-near-zero (ENZ) waveguides. Applied Physics Letters, 2022, 120, 081106.	1.5	4
151	Enhanced Microwave Transmission Using a Subwavelength Slot in Corrugated Plate. , 0, , .		3
152	Interaction Effects between Electromagnetic Bandgap Structures and Split Ring Resonators in Microstrip Technology. , 0, , .		3
153	Wave propagation properties in stacked SRR/CSRR metasurfaces at microwave frequencies. , 2009, , .		3
154	Numerical and experimental parametric analysis of anomalous enhanced transmission through subwavelength apertures. Metamaterials, 2011, 5, 125-134.	2.2	3
155	TRANSMISSION PROPERTIES OF STACKED SRR METASURFACES IN FREE SPACE. Progress in Electromagnetics Research M, 2011, 20, 1-11.	0.5	3
156	Wideband backscattering reduction at terahertz using compound reflection grating. Optics Express, 2017, 25, 22905.	1.7	3
157	Phase Reversal Technique Applied to Fishnet Metalenses. International Journal of Antennas and Propagation, 2018, 2018, 1-8.	0.7	3
158	Lipid and Protein Oxidation Marker Compounds in Horse Meat Determined by MIR Spectroscopy. Foods, 2020, 9, 1828.	1.9	3
159	Estimation of Fatty Acids in Intramuscular Fat of Beef by FT-MIR Spectroscopy. Foods, 2021, 10, 155.	1.9	3
160	Antenna applications of negative refraction parabolic lens of subwavelength hole arrays. , 2009, , .		2
161	High-Qseries coupled microstrip split-ring resonator device. Waves in Random and Complex Media, 2014, 24, 218-226.	1.6	2
162	Graphene-dielectric metamaterial for beam steering. , 2016, , .		2

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163	Metasurface-based ultrathin carpet cloak. , 2016, , .		2
164	Equivalent circuit for double annular aperture frequency selective surfaces. , 2017, , .		2
165	Bullâ€™s-Eye Antenna With Circular Polarization at Millimeter Waves Based on Ridge Gap Waveguide Technology. IEEE Transactions on Antennas and Propagation, 2021, 69, 2376-2379.	3.1	2
166	Flat Lens Antenna using Gap Waveguide Technology at Millimeter Waves. , 2021, , .		2
167	Metal 3D Printed D-Band Waveguide to Surface Wave Transition. , 2020, , .		2
168	Transmission in cut-off hole arrays. , 2004, , .		1
169	Subwavelength hole arrays, and split ring resonators based metasurfaces for frequency selective surfaces. , 0, , .		1
170	Strong microwave second order rejection band in opal-like structures. Microwave and Optical Technology Letters, 2005, 47, 472-475.	0.9	1
171	Planar horn antenna: Application of periodic stacked subwavelength hole array with metamaterials proprieties. , 2009, , .		1
172	Comments on â€œA High-Gain Antenna Consisting of Two Slot Elements With a Space Larger Than a Wavelengthâ€• IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1279-1280.	2.4	1
173	Wireless channel modeling for campus sensor networks. , 2010, , .		1
174	Implementation of extraordinary transmission based devices in millimeter wave bands. , 2011, , .		1
175	Metamaterial enhanced phased-array antenna. , 2013, , .		1
176	Mid-infrared Plasmonic Inductors. , 2014, , .		1
177	High resolution terajets via 3D dielectric cuboids at THz frequencies. , 2015, , .		1
178	A self-supporting broadband zoned fishnet metamaterial lens operating at the millimeter-wave V-band. , 2015, , .		1
179	High resolution terajets using 3D dielectric cuboids. , 2015, , .		1
180	W-band hybrid wood zone plate fishnet metalens. , 2016, , .		1

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181	Ultrathin carpet cloak based on ring resonators. , 2016, , .		1
182	Millimeter wave Bull's-Eye antenna frequency and angular response. , 2016, , .		1
183	Improving the performance of the zoned fishnet metalens using the reference phase technique. , 2016, , .		1
184	High aperture efficiency Bull's-Eye antenna. , 2017, , .		1
185	A Gap Waveguide Fed Circular Polarization Antenna in the Millimeter-Wave Range. , 2019, , .		1
186	Controlling the direction of propagation of surface plasmons via graded index effective dielectric media. , 2019, , .		1
187	Doubling the propagation distance of surface plasmon polaritons. SPIE Newsroom, 0, , .	0.1	1
188	Phase response of cut-off metallic hole arrays. , 0, , .		0
189	Electromagnetic Band Gap made of stacked hole arrays and metallic disks. , 0, , .		0
190	Enhanced transmission in photonic crystal of hole arrays. , 2006, , .		0
191	Left-handed metamaterials with cut-off hole arrays at millimeter waves. , 2007, , .		0
192	Extraordinary transmission in subwavelength hole arrays at 220 GHz. , 2008, , .		0
193	Negative refraction demultiplexer metamaterial for millimeter waves. , 2008, , .		0
194	Novel metamaterials at millimeter and terahertz waves and lenses applications. , 2009, , .		0
195	Selective dual-band subwavelength-hole-arrays-based polariser. IET Microwaves, Antennas and Propagation, 2010, 4, 1092.	0.7	0
196	Slow light propagation in stacked complementary metasurfaces at microwave frequencies. , 2010, , .		0
197	EBG and metamaterial devices and phenomena in planar and volumetric configurations. , 2010, , .		0
198	Analysis of topology and morphology influence in indoor millimeter wave wireless networks. , 2011, , .		0

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