

Miguel Navarro-Cia

List of Publications by Year in descending order

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201
papers

3,702
citations

126708

33
h-index

155451

55
g-index

206
all docs

206
docs citations

206
times ranked

3336
citing authors

#	ARTICLE	IF	CITATIONS
1	Third-harmonic-upconversion enhancement from a single semiconductor nanoparticle coupled to a plasmonic antenna. <i>Nature Nanotechnology</i> , 2014, 9, 290-294.	15.6	371
2	Multiresonant Broadband Optical Antennas As Efficient Tunable Nanosources of Second Harmonic Light. <i>Nano Letters</i> , 2012, 12, 4997-5002.	4.5	184
3	Broadband spoof plasmons and subwavelength electromagnetic energy confinement on ultrathin metafilms. <i>Optics Express</i> , 2009, 17, 18184.	1.7	134
4	Ultrasensitive Broadband Probing of Molecular Vibrational Modes with Multifrequency Optical Antennas. <i>ACS Nano</i> , 2013, 7, 669-675.	7.3	125
5	Broad-Band Near-Infrared Plasmonic Nanoantennas for Higher Harmonic Generation. <i>ACS Nano</i> , 2012, 6, 3537-3544.	7.3	106
6	Photonic Weyl points due to broken time-reversal symmetry in magnetized semiconductor. <i>Nature Physics</i> , 2019, 15, 1150-1155.	6.5	81
7	Molding Left- or Right-Handed Metamaterials by Stacked Cutoff Metallic Hole Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2007, 55, 1514-1521.	3.1	76
8	Selective Pyroelectric Detection of Millimetre Waves Using Ultra-Thin Metasurface Absorbers. <i>Scientific Reports</i> , 2016, 6, 21079.	1.6	75
9	Plasmonic Nanoantennas for Multispectral Surface-Enhanced Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18620-18626.	1.5	71
10	Negative refraction in a prism made of stacked subwavelength hole arrays. <i>Optics Express</i> , 2008, 16, 560.	1.7	70
11	The Interplay of Symmetry and Scattering Phase in Second Harmonic Generation from Gold Nanoantennas. <i>Nano Letters</i> , 2016, 16, 5278-5285.	4.5	69
12	Extraordinary transmission and left-handed propagation in miniaturized stacks of doubly periodic subwavelength hole arrays. <i>Optics Express</i> , 2007, 15, 1107.	1.7	66
13	Planar Holographic Metasurfaces for Terahertz Focusing. <i>Scientific Reports</i> , 2015, 5, 7738.	1.6	65
14	Terahertz epsilon-near-zero graded-index lens. <i>Optics Express</i> , 2013, 21, 9156.	1.7	58
15	Planoconcave lens by negative refraction of stacked subwavelength hole arrays. <i>Optics Express</i> , 2008, 16, 9677.	1.7	56
16	Regular and anomalous extraordinary optical transmission at the THz-gap. <i>Optics Express</i> , 2009, 17, 11730.	1.7	56
17	Terahertz wave transmission in flexible polystyrene-lined hollow metallic waveguides for the 25-5 THz band. <i>Optics Express</i> , 2013, 21, 23748.	1.7	56
18	Silver-Coated Teflon Tubes for Waveguiding at ~ 2 THz. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015, 36, 542-555.	1.2	56

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19	Polarization selection with stacked hole array metamaterial. Journal of Applied Physics, 2008, 103, .	1.1	54
20	Enhanced lens by $\hat{\mu}$ and $\hat{\epsilon}$ near-zero metamaterial boosted by extraordinary optical transmission. Physical Review B, 2011, 83, .	1.1	51
21	Recent progress in terahertz metamaterial modulators. Nanophotonics, 2022, 11, 1485-1514.	2.9	51
22	77-GHz High-Gain Bull's-Eye Antenna With Sinusoidal Profile. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 205-208.	2.4	50
23	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
24	Terahertz Corrugated and Bull's-Eye Antennas. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 740-747.	2.0	44
25	Mechanical 144 GHz beam steering with all-metallic epsilon-near-zero lens antenna. Applied Physics Letters, 2014, 105, .	1.5	44
26	The dielectric properties of some ceramic substrate materials at terahertz frequencies. Journal of the European Ceramic Society, 2019, 39, 4424-4428.	2.8	44
27	Lensing system and Fourier transformation using epsilon-near-zero metamaterials. Physical Review B, 2012, 86, .	1.1	43
28	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
29	Ultra-compact planoconcave zoned metallic lens based on the fishnet metamaterial. Applied Physics Letters, 2013, 103, .	1.5	42
30	Route for Bulk Millimeter Wave and Terahertz Metamaterial Design. IEEE Journal of Quantum Electronics, 2011, 47, 375-385.	1.0	40
31	3-D-Printed 96 GHz Bull's-Eye Antenna With Off-Axis Beaming. IEEE Transactions on Antennas and Propagation, 2017, 65, 17-25.	3.1	39
32	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
33	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
34	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
35	Description of Bow-Tie Nanoantennas Excited by Localized Emitters Using Conformal Transformation. ACS Photonics, 2016, 3, 1223-1232.	3.2	34
36	Polypropylene-substrate-based SRR- and CSRR- metasurfaces for submillimeter waves. Optics Express, 2008, 16, 18312.	1.7	33

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37	High density micro-pyramids with silicon nanowire array for photovoltaic applications. Nanotechnology, 2014, 25, 485202.	1.3	32
38	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
39	Circuit approach to the minimal configuration of terahertz anomalous extraordinary transmission. Applied Physics Letters, 2011, 98, 014106.	1.5	31
40	Negative refraction through an extraordinary transmission left-handed metamaterial slab. Physical Review B, 2009, 79, .	1.1	28
41	Wideband unidirectional transmission with tunable sign-switchable refraction and deflection in nonsymmetric structures. Physical Review B, 2013, 88, .	1.1	28
42	ϵ -near-zero (ENZ) graded index quasi-optical devices: steering and splitting millimeter waves. Journal of Optics (United Kingdom), 2014, 16, 094009.	1.0	28
43	Extraordinary THz Transmission with a Small Beam Spot: The Leaky Wave Mechanism. Advanced Optical Materials, 2018, 6, 1701312.	3.6	27
44	Polarized left-handed extraordinary optical transmission of subterahertz waves. Optics Express, 2007, 15, 8125.	1.7	26
45	Quasioptical Polarizer Based on Self-Complementary Sub-Wavelength Hole Arrays. IEEE Microwave and Wireless Components Letters, 2007, 17, 834-836.	2.0	25
46	Compact Dual-Band Terahertz Quarter-Wave Plate Metasurface. IEEE Photonics Technology Letters, 2014, 26, 1679-1682.	1.3	24
47	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
48	Enhanced Gain by Double-Periodic Stacked Subwavelength Hole Array. IEEE Microwave and Wireless Components Letters, 2007, 17, 831-833.	2.0	23
49	Converging biconcave metallic lens by double-negative extraordinary transmission metamaterial. Applied Physics Letters, 2009, 94, 144107.	1.5	23
50	Zoned near-zero refractive index fishnet lens antenna: Steering millimeter waves. Journal of Applied Physics, 2014, 115, 124902.	1.1	23
51	Fishnet metamaterial from an equivalent circuit perspective. Applied Physics Letters, 2012, 101, .	1.5	22
52	Strong lateral displacement in polarization anisotropic extraordinary transmission metamaterial. New Journal of Physics, 2010, 12, 063037.	1.2	21
53	Dipolar resonances in conductive carbon micro-fibers probed by near-field terahertz spectroscopy. Applied Physics Letters, 2015, 107, 021102.	1.5	21
54	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

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55	Widely tuneable scattering-type scanning near-field optical microscopy using pulsed quantum cascade lasers. Applied Physics Letters, 2013, 103, 213110.	1.5	19
56	Unveiling the Origin of Third Harmonic Generation in Hybrid ITOâ€“Plasmonic Crystals. Advanced Optical Materials, 2015, 3, 1059-1065.	3.6	19
57	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
58	Beam Profiling of a Commercial Lens-Assisted Terahertz Time Domain Spectrometer. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 90-100.	2.0	19
59	Study of Low Terahertz Radar Signal Backscattering for Surface Identification. Sensors, 2021, 21, 2954.	2.1	19
60	Electroinductive waves role in left-handed stacked complementary split rings resonators. Optics Express, 2009, 17, 1274.	1.7	18
61	[INVITED] Epsilon-near-zero metalenses operating in the visible. Optics and Laser Technology, 2016, 80, 162-168.	2.2	18
62	Revealing the underlying mechanisms behind TE extraordinary THz transmission. Photonics Research, 2020, 8, 430.	3.4	18
63	Terahertz imaging of sub-wavelength particles with Zenneck surface waves. Applied Physics Letters, 2013, 103, .	1.5	17
64	Soret Fishnet Metalens Antenna. Scientific Reports, 2015, 5, 9988.	1.6	17
65	Fabrication of Epitaxial W-Doped VO ₂ Nanostructured Films for Terahertz Modulation Using the Solvothermal Process. ACS Applied Nano Materials, 2021, 4, 10592-10600.	2.4	17
66	Stacked complementary metasurfaces for ultraslow microwave metamaterials. Applied Physics Letters, 2010, 96, .	1.5	16
67	Redshifting extraordinary transmission by simple inductance addition. Physical Review B, 2011, 84, .	1.1	16
68	Quarter-Wave Plate Based on Dielectric-Enabled Extraordinary Resonant Transmission. IEEE Photonics Technology Letters, 2012, 24, 945-947.	1.3	16
69	Single negative birefringence in stacked spoof plasmon metasurfaces by prism experiment. Optics Letters, 2010, 35, 643.	1.7	15
70	Modes in silver-iodide-lined hollow metallic waveguides mapped by terahertz near-field time-domain microscopy. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 127.	0.9	15
71	Experimental signature of a topological quantum dot. Nanoscale, 2020, 12, 22817-22825.	2.8	15
72	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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73	Enhancing the Dual-Band Guiding Capabilities of Coaxial Spoof Plasmons via use of Transmission Line Concepts. <i>Plasmonics</i> , 2011, 6, 295-299.	1.8	14
74	Aluminum Nanotriplets for Light-Matter Coupling Robust to Nanoemitter Orientation. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700051.	4.4	13
75	Circular-Polarization-Selective Transmission Induced by Spin-Orbit Coupling in a Helical Tape Waveguide. <i>Physical Review Applied</i> , 2018, 9, .	1.5	13
76	Pseudo-anapole regime in terahertz metasurfaces. <i>Physical Review B</i> , 2021, 104, .	1.1	13
77	Toward compact millimeter-wave diode in thin stacked-hole array assisted by a dielectric grating. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	12
78	Mid-infrared plasmonic inductors: Enhancing inductance with meandering lines. <i>Scientific Reports</i> , 2015, 4, 3592.	1.6	12
79	Experimental demonstration of deflection angle tuning in unidirectional fishnet metamaterials at millimeter-waves. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	12
80	Zoned Fishnet Lens Antenna With Reference Phase for Side-Lobe Reduction. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 3710-3714.	3.1	12
81	Generation of radially-polarized terahertz pulses for coupling into coaxial waveguides. <i>Scientific Reports</i> , 2016, 6, 38926.	1.6	12
82	POLARIZATION-TUNABLE NEGATIVE OR POSITIVE REFRACTION IN SELF-COMPLEMENTARINESS-BASED EXTRAORDINARY TRANSMISSION PRISM. <i>Progress in Electromagnetics Research</i> , 2010, 103, 101-114.	1.6	11
83	Frozen mode from hybridized extraordinary transmission and Fabry-Perot resonances. <i>Physical Review B</i> , 2013, 87, .	1.1	11
84	Hidden Symmetries in Bowtie Nanocavities and Diabolo Nanoantennas. <i>ACS Photonics</i> , 2019, 6, 2014-2024.	3.2	11
85	Understanding quantum emitters in plasmonic nanocavities with conformal transformation: Purcell enhancement and forces. <i>Nanoscale</i> , 2018, 10, 13607-13616.	2.8	10
86	Leaky-Wave Antenna With Switchable Omnidirectional Conical Radiation via Polarization Handedness. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 1282-1288.	3.1	10
87	Hydrothermal epitaxy growth of self-organized vanadium dioxide 3D structures with metal-insulator transition and THz transmission switch properties. <i>CrystEngComm</i> , 2020, 22, 2612-2620.	1.3	10
88	Parametrical study of left-handed or right-handed propagation by stacking hole arrays. <i>Optical and Quantum Electronics</i> , 2007, 39, 285-293.	1.5	9
89	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.	1.3	9
90	Millimeter-Wave Left-Handed Extraordinary Transmission Metamaterial Demultiplexer. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009, 8, 212-215.	2.4	9

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91	Millimeter-wave phase resonances in compound reflection gratings with subwavelength grooves. Optics Express, 2010, 18, 23957.	1.7	9
92	A SLOW LIGHT FISHNET-LIKE ABSORBER IN THE MILLIMETER-WAVE RANGE. Progress in Electromagnetics Research, 2011, 118, 287-301.	1.6	9
93	Negative group delay through subwavelength hole arrays. Physical Review B, 2011, 84, .	1.1	9
94	Mode interference and radiation leakage in a tapered parallel plate waveguide for terahertz waves. Applied Physics Letters, 2013, 102, 141103.	1.5	9
95	Hybrid reflection retrieval method for terahertz dielectric imaging of human bone. Biomedical Optics Express, 2021, 12, 4807.	1.5	9
96	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
97	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
98	Wood zone plate fishnet metalens. EPJ Applied Metamaterials, 2015, 2, 8.	0.8	8
99	Broadband frequency and angular response of a sinusoidal bullseye antenna. Journal Physics D: Applied Physics, 2016, 49, 265103.	1.3	8
100	Left-handed behavior in a microstrip line loaded with squared split-ring resonators and an EBG pattern. Microwave and Optical Technology Letters, 2007, 49, 2689-2692.	0.9	7
101	Metamaterial multiresonances in waveguide and metasurfaces. Microwave and Optical Technology Letters, 2008, 50, 2825-2827.	0.9	7
102	Silver-coated Teflon hollow waveguides for the delivery of terahertz radiation. Proceedings of SPIE, 2014, , .	0.8	7
103	Viability of focusing effect by left-handed stacked subwavelength hole arrays. Physica B: Condensed Matter, 2010, 405, 2950-2954.	1.3	6
104	From symmetric to asymmetric bowtie nanoantennas: electrostatic conformal mapping perspective. Nanophotonics, 2020, 9, 1177-1187.	2.9	6
105	Extraordinary Transmission surfaces as superstrate. , 2009, , .		5
106	Chiral SRR Metasurfaces for Circular Polarisation Conversion. , 2018, , .		5
107	Symmetry and Finite-Size Effects in Quasi-Optical Extraordinarily THz Transmitting Arrays of Tilted Slots. IEEE Transactions on Antennas and Propagation, 2020, 68, 6109-6117.	3.1	5
108	Fresh metamaterials ideas for metallic lenses. Metamaterials, 2010, 4, 119-126.	2.2	4

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109	Dual-band double-negative-index fishnet metamaterial at millimeter-waves. Optics Letters, 2011, 36, 4245.	1.7	4
110	Hedgehog subwavelength hole arrays: control over the THz enhanced transmission. New Journal of Physics, 2013, 15, 013003.	1.2	4
111	Terahertz Metastructures for Noninvasive Biomedical Sensing and Characterization in Future Health Care [Bioelectromagnetics]. IEEE Antennas and Propagation Magazine, 2022, 64, 60-70.	1.2	4
112	Numerical and experimental parametric analysis of anomalous enhanced transmission through subwavelength apertures. Metamaterials, 2011, 5, 125-134.	2.2	3
113	TRANSMISSION PROPERTIES OF STACKED SRR METASURFACES IN FREE SPACE. Progress in Electromagnetics Research M, 2011, 20, 1-11.	0.5	3
114	Linearly and circularly polarised Bull's eye antenna. , 2016, , .		3
115	Edge state mimicking topological behavior in a one-dimensional electrical circuit. New Journal of Physics, 2021, 23, 103005.	1.2	3
116	Dual-band all-dielectric chiral photonic crystal. Journal Physics D: Applied Physics, 2022, 55, 165303.	1.3	3
117	Antenna applications of negative refraction parabolic lens of subwavelength hole arrays. , 2009, , .		2
118	Exploiting plasmonics for THz and infrared sensing. Proceedings of SPIE, 2014, , .	0.8	2
119	Terahertz waveguides with low transmission losses: characterization and applications. Proceedings of SPIE, 2014, , .	0.8	2
120	Bias-free and compact mode-matched excitation of THz coaxial waveguides. , 2016, , .		2
121	Equivalent circuit for double annular aperture frequency selective surfaces. , 2017, , .		2
122	Bridging the hydrodynamic Drude model and local transformation optics theory. Physical Review B, 2020, 101, .	1.1	2
123	Broadband Characterisation of Interior Materials and Surface Scattering using Terahertz Time-Domain Spectroscopy. , 2021, , .		2
124	Tunable compression of THz chirped pulses using a helical graphene ribbon-loaded hollow-core waveguide. Applied Optics, 2020, 59, 4247.	0.9	2
125	Metal 3D Printed D-Band Waveguide to Surface Wave Transition. , 2020, , .		2
126	Taming non-radiative recombination in Si nanocrystals interlinked in a porous network. Physical Chemistry Chemical Physics, 2022, 24, 13519-13526.	1.3	2

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127	Planar horn antenna: Application of periodic stacked subwavelength hole array with metamaterials properties. , 2009, , .		1
128	Implementation of extraordinary transmission based devices in millimeter wave bands. , 2011, , .		1
129	Comment on "The transition from a TEM-like mode to a plasmonic mode in parallel-plate waveguides" [Appl. Phys. Lett. 98, 231113 (2011)]. Applied Physics Letters, 2013, 102, 246103.	1.5	1
130	Mid-infrared Plasmonic Inductors. , 2014, , .		1
131	A self-supporting broadband zoned fishnet metamaterial lens operating at the millimeter-wave V-band. , 2015, , .		1
132	High resolution terajets using 3D dielectric cuboids. , 2015, , .		1
133	W-band hybrid wood zone plate fishnet metalens. , 2016, , .		1
134	Millimeter wave Bull's-Eye antenna frequency and angular response. , 2016, , .		1
135	Improving the performance of the zoned fishnet metalens using the reference phase technique. , 2016, , .		1
136	Extraordinary transmission in subwavelength hole arrays at 220 GHz. , 2008, , .		0
137	Negative refraction demultiplexer metamaterial for millimeter waves. , 2008, , .		0
138	Novel metamaterials at millimeter and terahertz waves and lenses applications. , 2009, , .		0
139	Selective dual-band subwavelength-hole-arrays-based polariser. IET Microwaves, Antennas and Propagation, 2010, 4, 1092.	0.7	0
140	Squeezing radiation from quantum cascade lasers with leaky waves. , 2011, , .		0
141	Very low effective electromagnetic parameters lenses for the unlicensed 60 GHz band. , 2011, , .		0
142	Novel antennas based upon extraordinary transmission metamaterial lenses. Proceedings of SPIE, 2011, , .	0.8	0
143	Downshifting extraordinary transmission by meander-lines in hole arrays. , 2012, , .		0
144	Developments in extraordinary transmission metallic lens. Proceedings of SPIE, 2012, , .	0.8	0

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145	Optimized dual-band planar THz waveguide. , 2012, , .		0
146	Surface plasmon waves for broadband THz spectroscopy. Proceedings of SPIE, 2013, , .	0.8	0
147	Equivalent circuit of the double-fishnet metamaterial. , 2013, , .		0
148	Experimental demonstration of negative group delay on the coupled regime of extraordinary transmission hole arrays. , 2013, , .		0
149	Equivalent circuit extraction of the double-fishnet metamaterial based on its electrostatics. , 2013, , .		0
150	Understanding the dispersion of THz pulses in tapered parallel plate waveguides: Role of the multimode propagation and radiation leakage. , 2013, , .		0
151	Tailoring extraordinary transmission by inductance addition with meander-lines. , 2013, , .		0
152	Dispersion and attenuation in flexible dielectric-lined hollow metallic THz waveguides. , 2013, , .		0
153	Diffraction inspired unidirectional transmission with sign-switchable refraction and deflection. , 2014, , .		0
154	Flat THz leaky wave antennas: Analysis and experimental results. , 2014, , .		0
155	The contribution of Prof. Mario Sorolla to artificial electromagnetic materials. , 2014, , .		0
156	Focusing millimetre waves by means of a permittivity-near zero narrow-waveguide lens. , 2014, , .		0
157	Flat corrugated antennas in the THz. , 2014, , .		0
158	Low-loss THz pulse transmission in commercially available Teflon tubes coated with silver. , 2014, , .		0
159	From the extraordinary transmission to the zoned fishnet metamaterial lens. , 2014, , .		0
160	All-metallic ε-near-zero (ENZ) lens based on ultra-narrow hollow rectangular waveguides: Experimental results. , 2014, , .		0
161	Near-field probing of the THz Mie magnetic mode in a single sub-wavelength TiO_2 sphere. , 2014, , .		0
162	Tunability and sign-switching of deflection angle in diffraction inspired unidirectional devices. , 2014, , .		0

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163	Focusing millimeter waves using a zoned fishnet metalens. , 2014, , .		0
164	Zenneck THz Surface Waves-assisted Imaging of Subwavelength Dielectric Particles. , 2014, , .		0
165	Slimming the fishnet metamaterial lens. , 2014, , .		0
166	Extraordinary-transmission-inspired Bull's eye antenna for automotive radar. , 2014, , .		0
167	Flat THz Launcher Antenna. , 2014, , .		0
168	Implementing artificial electromagnetic media and devices at UPNA. , 2014, , .		0
169	Low profile THz periodic leaky-wave antenna. , 2014, , .		0
170	Localized emitters close to nano-bowties: Insight via conformal transformation. , 2015, , .		0
171	Experimental demonstration of deflection angle tuning in diffraction-inspired unidirectional structures. , 2015, , .		0
172	High gain leaky wave antenna operating at 0.566 THz. , 2015, , .		0
173	Zoning technique for a broadband fishnet metamaterial lens. , 2015, , .		0
174	Epsilon-near-zero lens for beamshaping of sub-terahertz waves. , 2015, , .		0
175	144 GHz epsilon-near-zero lens antenna. , 2015, , .		0
176	Resonant terahertz absorption in carbon microfibres. , 2015, , .		0
177	High-gain and low-profile metalens-horn antenna based on the fishnet metamaterial. , 2015, , .		0
178	350 GHz holographic surface for single- and multi-focusing. , 2015, , .		0
179	Metasurface-enabled pyroelectric detection of 140 GHz radiation with strong polarization discrimination. , 2016, , .		0
180	Focusing optical waves via graded-epsilon-near-zero metalens. , 2016, , .		0

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181	Linearly polarized dipolar second harmonic generation from gold nano-antennas by controlling their radiation phase. , 2016, , .		0
182	V-band reference-phase-based zoned fishnet metalens. , 2016, , .		0
183	Soret lens-antenna based on the fishnet metamaterial. , 2016, , .		0
184	Plasmonic resonances in carbon fibers observed with terahertz near-field microscopy. Proceedings of SPIE, 2016, , .	0.8	0
185	Additive manufactured millimeter wave off-axis bull's-eye antenna. , 2017, , .		0
186	Understanding bowtie nanoantennas excited by a localized emitter. , 2017, , .		0
187	Compact THz waveguide filter based on periodic dielectric-gold rings. , 2018, , .		0
188	Modes and Pseudo-modes in TE Extraordinary THz Transmission. , 2019, , .		0
189	Combined LUTC-PD integrated THz source and a leaky wave antenna with complementary split ring resonators along a planar Goubau line. , 2019, , .		0
190	Study of Leaky Waves Responsible for Terahertz TE Extraordinary Transmission. , 2019, , .		0
191	Conformal transformation in bowtie nanoantennas and nanocavities: unveiling hidden symmetries. , 2019, , .		0
192	Hyperspectral terahertz imaging for human bone biometrics. , 2021, , .		0
193	Pseudo-Anapole Mode Establishment in Planar THz Metamaterial. , 2021, , .		0
194	Origins of dispersive terahertz pulse propagation in tapered parallel plate waveguides. , 2013, , .		0
195	Impact of thin AgI coatings on modes in cylindrical metallic waveguides for THz applications. , 2013, , .		0
196	Extraordinary Transmission-inspired Dual-band THz Quarter-wave Plate. , 2014, , .		0
197	Plasmonic nanoantennas and nanocavities: a transformation electromagnetics perspective. , 2020, , .		0
198	Taming Extraordinary THz Transmission through Sub- λ Slot Arrays via Array Truncation, Slot Rotation, Polarization and Angle of Incidence. , 2020, , .		0

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199	Continuous Wave Sub-Terahertz Lensless Holographic Reflective Imaging. , 2020, , .		0
200	Temperature dependent hyperspectral terahertz imaging of human bone for disease diagnosis. , 2022, , .		0
201	Time and Frequency Analysis of Rough Surface Scattering in the THz Spectrum. , 2022, , .		0