

Miguel Navarro-Cia

List of Publications by Year in descending order

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201
papers

3,702
citations

126708

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155451

55
g-index

206
all docs

206
docs citations

206
times ranked

3336
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-band all-dielectric chiral photonic crystal. Journal Physics D: Applied Physics, 2022, 55, 165303.	1.3	3
2	Temperature dependent hyperspectral terahertz imaging of human bone for disease diagnosis. , 2022, , .		0
3	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
4	Recent progress in terahertz metamaterial modulators. Nanophotonics, 2022, 11, 1485-1514.	2.9	51
5	Taming non-radiative recombination in Si nanocrystals interlinked in a porous network. Physical Chemistry Chemical Physics, 2022, 24, 13519-13526.	1.3	2
6	Time and Frequency Analysis of Rough Surface Scattering in the THz Spectrum. , 2022, , .		0
7	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
8	Study of Low Terahertz Radar Signal Backscattering for Surface Identification. Sensors, 2021, 21, 2954.	2.1	19
9	Hybrid reflection retrieval method for terahertz dielectric imaging of human bone. Biomedical Optics Express, 2021, 12, 4807.	1.5	9
10	Hyperspectral terahertz imaging for human bone biometrics. , 2021, , .		0
11	Pseudo-Anapole Mode Establishment in Planar THz Metamaterial. , 2021, , .		0
12	Pseudo-anapole regime in terahertz metasurfaces. Physical Review B, 2021, 104, .	1.1	13
13	Edge state mimicking topological behavior in a one-dimensional electrical circuit. New Journal of Physics, 2021, 23, 103005.	1.2	3
14	Broadband Characterisation of Interior Materials and Surface Scattering using Terahertz Time-Domain Spectroscopy. , 2021, , .		2
15	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
16	Leaky-Wave Antenna With Switchable Omnidirectional Conical Radiation via Polarization Handedness. IEEE Transactions on Antennas and Propagation, 2020, 68, 1282-1288.	3.1	10
17	Experimental signature of a topological quantum dot. Nanoscale, 2020, 12, 22817-22825.	2.8	15
18	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

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19	Bridging the hydrodynamic Drude model and local transformation optics theory. <i>Physical Review B</i> , 2020, 101, .	1.1	2
20	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
21	Revealing the underlying mechanisms behind TE extraordinary THz transmission. <i>Photonics Research</i> , 2020, 8, 430.	3.4	18
22	Tunable compression of THz chirped pulses using a helical graphene ribbon-loaded hollow-core waveguide. <i>Applied Optics</i> , 2020, 59, 4247.	0.9	2
23	Plasmonic nanoantennas and nanocavities: a transformation electromagnetics perspective. , 2020, , .		0
24	From symmetric to asymmetric bowtie nanoantennas: electrostatic conformal mapping perspective. <i>Nanophotonics</i> , 2020, 9, 1177-1187.	2.9	6
25	Metal 3D Printed D-Band Waveguide to Surface Wave Transition. , 2020, , .		2
26	Taming Extraordinary THz Transmission through Sub- λ Slot Arrays via Array Truncation, Slot Rotation, Polarization and Angle of Incidence. , 2020, , .		0
27	Continuous Wave Sub-Terahertz Lensless Holographic Reflective Imaging. , 2020, , .		0
28	Photonic Weyl points due to broken time-reversal symmetry in magnetized semiconductor. <i>Nature Physics</i> , 2019, 15, 1150-1155.	6.5	81
29	Hidden Symmetries in Bowtie Nanocavities and Diabolo Nanoantennas. <i>ACS Photonics</i> , 2019, 6, 2014-2024.	3.2	11
30	Modes and Pseudo-modes in TE Extraordinary THz Transmission. , 2019, , .		0
31	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.	3.1	19
32	The dielectric properties of some ceramic substrate materials at terahertz frequencies. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4424-4428.	2.8	44
33	Combined UTC-PD integrated THz source and a leaky wave antenna with complementary split ring resonators along a planar Goubau line. , 2019, , .		0
34	Study of Leaky Waves Responsible for Terahertz TE Extraordinary Transmission. , 2019, , .		0
35	Conformal transformation in bowtie nanoantennas and nanocavities: unveiling hidden symmetries. , 2019, , .		0
36	Extraordinary THz Transmission with a Small Beam Spot: The Leaky Wave Mechanism. <i>Advanced Optical Materials</i> , 2018, 6, 1701312.	3.6	27

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37	Compact THz waveguide filter based on periodic dielectric-gold rings. , 2018, , .		0
38	Chiral SRR Metasurfaces for Circular Polarisation Conversion. , 2018, , .		5
39	Circular-Polarization-Selective Transmission Induced by Spin-Orbit Coupling in a Helical Tape Waveguide. Physical Review Applied, 2018, 9, .	1.5	13
40	Understanding quantum emitters in plasmonic nanocavities with conformal transformation: Purcell enhancement and forces. Nanoscale, 2018, 10, 13607-13616.	2.8	10
41	Aluminum Nanotripods for Light-Matter Coupling Robust to Nanoemitter Orientation. Laser and Photonics Reviews, 2017, 11, 1700051.	4.4	13
42	Equivalent circuit for double annular aperture frequency selective surfaces. , 2017, , .		2
43	Additive manufactured millimeter wave off-axis bull's-eye antenna. , 2017, , .		0
44	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
45	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
46	Understanding bowtie nanoantennas excited by a localized emitter. , 2017, , .		0
47	Broadband frequency and angular response of a sinusoidal bull's eye antenna. Journal Physics D: Applied Physics, 2016, 49, 265103.	1.3	8
48	W-band hybrid wood zone plate fishnet metalens. , 2016, , .		1
49	Metasurface-enabled pyroelectric detection of 140 GHz radiation with strong polarization discrimination. , 2016, , .		0
50	Bias-free and compact mode-matched excitation of THz coaxial waveguides. , 2016, , .		2
51	Focusing optical waves via graded-epsilon-near-zero metalens. , 2016, , .		0
52	Generation of radially-polarized terahertz pulses for coupling into coaxial waveguides. Scientific Reports, 2016, 6, 38926.	1.6	12
53	Linearly and circularly polarised Bull's eye antenna. , 2016, , .		3
54	Linearly polarized dipolar second harmonic generation from gold nano-antennas by controlling their radiation phase. , 2016, , .		0

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55	The Interplay of Symmetry and Scattering Phase in Second Harmonic Generation from Gold Nanoantennas. Nano Letters, 2016, 16, 5278-5285.	4.5	69
56	Millimeter wave Bull's-Eye antenna frequency and angular response. , 2016, , .		1
57	V-band reference-phase-based zoned fishnet metalens. , 2016, , .		0
58	Selective Pyroelectric Detection of Millimetre Waves Using Ultra-Thin Metasurface Absorbers. Scientific Reports, 2016, 6, 21079.	1.6	75
59	Improving the performance of the zoned fishnet metalens using the reference phase technique. , 2016, , .		1
60	Description of Bow-Tie Nanoantennas Excited by Localized Emitters Using Conformal Transformation. ACS Photonics, 2016, 3, 1223-1232.	3.2	34
61	Soret lens-antenna based on the fishnet metamaterial. , 2016, , .		0
62	[INVITED] Epsilon-near-zero metalenses operating in the visible. Optics and Laser Technology, 2016, 80, 162-168.	2.2	18
63	Plasmonic resonances in carbon fibers observed with terahertz near-field microscopy. Proceedings of SPIE, 2016, , .	0.8	0
64	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
65	Soret Fishnet Metalens Antenna. Scientific Reports, 2015, 5, 9988.	1.6	17
66	Wood zone plate fishnet metalens. EPJ Applied Metamaterials, 2015, 2, 8.	0.8	8
67	Dipolar resonances in conductive carbon micro-fibers probed by near-field terahertz spectroscopy. Applied Physics Letters, 2015, 107, 021102.	1.5	21
68	Mid-infrared plasmonic inductors: Enhancing inductance with meandering lines. Scientific Reports, 2015, 4, 3592.	1.6	12
69	Experimental demonstration of deflection angle tuning in unidirectional fishnet metamaterials at millimeter-waves. Applied Physics Letters, 2015, 106, .	1.5	12
70	Localized emitters close to nano-bowties: Insight via conformal transformation. , 2015, , .		0
71	Experimental demonstration of deflection angle tuning in diffraction-inspired unidirectional structures. , 2015, , .		0
72	A self-supporting broadband zoned fishnet metamaterial lens operating at the millimeter-wave V-band. , 2015, , .		1

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73	High gain leaky wave antenna operating at 0.566 THz. , 2015, , .		0
74	High resolution terajets using 3D dielectric cuboids. , 2015, , .		1
75	Zoning technique for a broadband fishnet metamaterial lens. , 2015, , .		0
76	Epsilon-near-zero lens for beamshaping of sub-terahertz waves. , 2015, , .		0
77	144 GHz epsilon-near-zero lens antenna. , 2015, , .		0
78	Resonant terahertz absorption in carbon microfibres. , 2015, , .		0
79	High-gain and low-profile metalens-horn antenna based on the fishnet metamaterial. , 2015, , .		0
80	350 GHz holographic surface for single- and multi-focusing. , 2015, , .		0
81	Planar Holographic Metasurfaces for Terahertz Focusing. Scientific Reports, 2015, 5, 7738.	1.6	65
82	Zoned Fishnet Lens Antenna With Reference Phase for Side-Lobe Reduction. IEEE Transactions on Antennas and Propagation, 2015, 63, 3710-3714.	3.1	12
83	Silver-Coated Teflon Tubes for Waveguiding at 1.2 THz. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 542-555.	1.2	56
84	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
85	Unveiling the Origin of Third Harmonic Generation in Hybrid ITO Plasmonic Crystals. Advanced Optical Materials, 2015, 3, 1059-1065.	3.6	19
86	77-GHz High-Gain Bullseye Antenna With Sinusoidal Profile. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 205-208.	2.4	50
87	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
88	Mid-infrared Plasmonic Inductors. , 2014, , .		1
89	Diffraction inspired unidirectional transmission with sign-switchable refraction and deflection. , 2014, , .		0
90	Flat THz leaky wave antennas: Analysis and experimental results. , 2014, , .		0

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91	The contribution of Prof. Mario Sorolla to artificial electromagnetic materials. , 2014, , .		0
92	Focusing millimetre waves by means of a permittivity-near zero narrow-waveguide lens. , 2014, , .		0
93	Flat corrugated antennas in the THz. , 2014, , .		0
94	Low-loss THz pulse transmission in commercially available Teflon tubes coated with silver. , 2014, , .		0
95	From the extraordinary transmission to the zoned fishnet metamaterial lens. , 2014, , .		0
96	All-metallic ε-near-zero (ENZ) lens based on ultra-narrow hollow rectangular waveguides: Experimental results. , 2014, , .		0
97	Near-field probing of the THz Mie magnetic mode in a single sub-wavelength TiO_2 sphere. , 2014, , .		0
98	Tunability and sign-switching of deflection angle in diffraction inspired unidirectional devices. , 2014, , .		0
99	Focusing millimeter waves using a zoned fishnet metalens. , 2014, , .		0
100	Zenneck THz Surface Waves-assisted Imaging of Subwavelength Dielectric Particles. , 2014, , .		0
101	Zoned near-zero refractive index fishnet lens antenna: Steering millimeter waves. Journal of Applied Physics, 2014, 115, 124902.	1.1	23
102	Mechanical 144â€™GHz beam steering with all-metallic epsilon-near-zero lens antenna. Applied Physics Letters, 2014, 105, .	1.5	44
103	High density micro-pyramids with silicon nanowire array for photovoltaic applications. Nanotechnology, 2014, 25, 485202.	1.3	32
104	Slimming the fishnet metamaterial lens. , 2014, , .		0
105	Exploiting plasmonics for THz and infrared sensing. Proceedings of SPIE, 2014, , .	0.8	2
106	Silver-coated Teflon hollow waveguides for the delivery of terahertz radiation. Proceedings of SPIE, 2014, , .	0.8	7
107	Extraordinary-transmission-inspired Bull's eye antenna for automotive radar. , 2014, , .		0
108	Terahertz waveguides with low transmission losses: characterization and applications. Proceedings of SPIE, 2014, , .	0.8	2

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109	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
110	ϵ -near-zero (ENZ) graded index quasi-optical devices: steering and splitting millimeter waves. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 094009.	1.0	28
111	Compact Dual-Band Terahertz Quarter-Wave Plate Metasurface. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1679-1682.	1.3	24
112	Flat THz Launcher Antenna. , 2014, , .		0
113	Implementing artificial electromagnetic media and devices at UPNA. , 2014, , .		0
114	Low profile THz periodic leaky-wave antenna. , 2014, , .		0
115	Extraordinary Transmission-inspired Dual-band THz Quarter-wave Plate. , 2014, , .		0
116	Frozen mode from hybridized extraordinary transmission and Fabry-Perot resonances. <i>Physical Review B</i> , 2013, 87, .	1.1	11
117	Plasmonic Nanoantennas for Multispectral Surface-Enhanced Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18620-18626.	1.5	71
118	Terahertz Corrugated and Bull's-Eye Antennas. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013, 3, 740-747.	2.0	44
119	Wideband unidirectional transmission with tunable sign-switchable refraction and deflection in nonsymmetric structures. <i>Physical Review B</i> , 2013, 88, .	1.1	28
120	Terahertz imaging of sub-wavelength particles with Zenneck surface waves. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	17
121	Surface plasmon waves for broadband THz spectroscopy. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
122	Ultrasensitive Broadband Probing of Molecular Vibrational Modes with Multifrequency Optical Antennas. <i>ACS Nano</i> , 2013, 7, 669-675.	7.3	125
123	Mode interference and radiation leakage in a tapered parallel plate waveguide for terahertz waves. <i>Applied Physics Letters</i> , 2013, 102, 141103.	1.5	9
124	Equivalent circuit of the double-fishnet metamaterial. , 2013, , .		0
125	Experimental demonstration of negative group delay on the coupled regime of extraordinary transmission hole arrays. , 2013, , .		0
126	Equivalent circuit extraction of the double-fishnet metamaterial based on its electrodynamics. , 2013, , .		0

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127	Modes in silver-iodide-lined hollow metallic waveguides mapped by terahertz near-field time-domain microscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 127.	0.9	15
128	Terahertz epsilon-near-zero graded-index lens. <i>Optics Express</i> , 2013, 21, 9156.	1.7	58
129	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
130	Comment on "The transition from a TEM-like mode to a plasmonic mode in parallel-plate waveguides" [Appl. Phys. Lett. 98, 231113 (2011)]. <i>Applied Physics Letters</i> , 2013, 102, 246103.	1.5	1
131	Widely tuneable scattering-type scanning near-field optical microscopy using pulsed quantum cascade lasers. <i>Applied Physics Letters</i> , 2013, 103, 213110.	1.5	19
132	Understanding the dispersion of THz pulses in tapered parallel plate waveguides: Role of the multimode propagation and radiation leakage. , 2013, , .		0
133	Hedgehog subwavelength hole arrays: control over the THz enhanced transmission. <i>New Journal of Physics</i> , 2013, 15, 013003.	1.2	4
134	Tailoring extraordinary transmission by inductance addition with meander-lines. , 2013, , .		0
135	Dispersion and attenuation in flexible dielectric-lined hollow metallic THz waveguides. , 2013, , .		0
136	Ultra-compact planoconcave zoned metallic lens based on the fishnet metamaterial. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	42
137	Origins of dispersive terahertz pulse propagation in tapered parallel plate waveguides. , 2013, , .		0
138	Impact of thin AgI coatings on modes in cylindrical metallic waveguides for THz applications. , 2013, , .		0
139	Downshifting extraordinary transmission by meander-lines in hole arrays. , 2012, , .		0
140	Lensing system and Fourier transformation using epsilon-near-zero metamaterials. <i>Physical Review B</i> , 2012, 86, .	1.1	43
141	Multiresonant Broadband Optical Antennas As Efficient Tunable Nanosources of Second Harmonic Light. <i>Nano Letters</i> , 2012, 12, 4997-5002.	4.5	184
142	Fishnet metamaterial from an equivalent circuit perspective. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	22
143	Quarter-Wave Plate Based on Dielectric-Enabled Extraordinary Resonant Transmission. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 945-947.	1.3	16
144	Developments in extraordinary transmission metallic lens. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0

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145	Broad-Band Near-Infrared Plasmonic Nanoantennas for Higher Harmonic Generation. ACS Nano, 2012, 6, 3537-3544.	7.3	106
146	Optimized dual-band planar THz waveguide. , 2012, , .		0
147	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
148	Squeezing radiation from quantum cascade lasers with leaky waves. , 2011, , .		0
149	Toward compact millimeter-wave diode in thin stacked-hole array assisted by a dielectric grating. Applied Physics Letters, 2011, 99, .	1.5	12
150	Circuit approach to the minimal configuration of terahertz anomalous extraordinary transmission. Applied Physics Letters, 2011, 98, 014106.	1.5	31
151	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
152	Very low effective electromagnetic parameters lenses for the unlicensed 60 GHz band. , 2011, , .		0
153	Numerical and experimental parametric analysis of anomalous enhanced transmission through subwavelength apertures. Metamaterials, 2011, 5, 125-134.	2.2	3
154	Novel antennas based upon extraordinary transmission metamaterial lenses. Proceedings of SPIE, 2011, , .	0.8	0
155	Redshifting extraordinary transmission by simple inductance addition. Physical Review B, 2011, 84, .	1.1	16
156	Dual-band double-negative-index fishnet metamaterial at millimeter-waves. Optics Letters, 2011, 36, 4245.	1.7	4
157	Enhanced lens by $\mu = \frac{1}{4}$ near-zero metamaterial loaded by extraordinary optical transmission. Physical Review B, 2011, 83, .	1.1	51
158	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
159	TRANSMISSION PROPERTIES OF STACKED SRR METASURFACES IN FREE SPACE. Progress in Electromagnetics Research M, 2011, 20, 1-11.	0.5	3
160	A SLOW LIGHT FISHNET-LIKE ABSORBER IN THE MILLIMETER-WAVE RANGE. Progress in Electromagnetics Research, 2011, 118, 287-301.	1.6	9
161	Negative group delay through subwavelength hole arrays. Physical Review B, 2011, 84, .	1.1	9
162	Route for Bulk Millimeter Wave and Terahertz Metamaterial Design. IEEE Journal of Quantum Electronics, 2011, 47, 375-385.	1.0	40

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163	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
164	Enhancing the Dual-Band Guiding Capabilities of Coaxial Spoof Plasmons via use of Transmission Line Concepts. Plasmonics, 2011, 6, 295-299.	1.8	14
165	Implementation of extraordinary transmission based devices in millimeter wave bands. , 2011, , .		1
166	Selective dual-band subwavelength-hole-arrays-based polariser. IET Microwaves, Antennas and Propagation, 2010, 4, 1092.	0.7	0
167	Fresh metamaterials ideas for metallic lenses. Metamaterials, 2010, 4, 119-126.	2.2	4
168	Viability of focusing effect by left-handed stacked subwavelength hole arrays. Physica B: Condensed Matter, 2010, 405, 2950-2954.	1.3	6
169	POLARIZATION-TUNABLE NEGATIVE OR POSITIVE REFRACTION IN SELF-COMPLEMENTARINESS-BASED EXTRAORDINARY TRANSMISSION PRISM. Progress in Electromagnetics Research, 2010, 103, 101-114.	1.6	11
170	Strong lateral displacement in polarization anisotropic extraordinary transmission metamaterial. New Journal of Physics, 2010, 12, 063037.	1.2	21
171	Stacked complementary metasurfaces for ultraslow microwave metamaterials. Applied Physics Letters, 2010, 96, .	1.5	16
172	Millimeter-wave phase resonances in compound reflection gratings with subwavelength grooves. Optics Express, 2010, 18, 23957.	1.7	9
173	Single negative birefringence in stacked spoof plasmon metasurfaces by prism experiment. Optics Letters, 2010, 35, 643.	1.7	15
174	ULTRA-WIDEBAND METAMATERIAL FILTER BASED ON ELECTROINDUCTIVE-WAVE COUPLING BETWEEN MICROSTRIPS. Progress in Electromagnetics Research Letters, 2009, 12, 141-150.	0.4	14
175	Novel metamaterials at millimeter and terahertz waves and lenses applications. , 2009, , .		0
176	Antenna applications of negative refraction parabolic lens of subwavelength hole arrays. , 2009, , .		2
177	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
178	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
179	Electroinductive waves role in left-handed stacked complementary split rings resonators. Optics Express, 2009, 17, 1274.	1.7	18
180	Regular and anomalous extraordinary optical transmission at the THz-gap. Optics Express, 2009, 17, 11730.	1.7	56

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181	Broadband spoof plasmons and subwavelength electromagnetic energy confinement on ultrathin metafilms. Optics Express, 2009, 17, 18184.	1.7	134
182	Millimeter-Wave Left-Handed Extraordinary Transmission Metamaterial Demultiplexer. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 212-215.	2.4	9
183	Planar horn antenna: Application of periodic stacked subwavelength hole array with metamaterials proprieties. , 2009, , .		1
184	Negative refraction through an extraordinary transmission left-handed metamaterial slab. Physical Review B, 2009, 79, .	1.1	28
185	Extraordinary Transmission surfaces as superstrate. , 2009, , .		5
186	Converging biconcave metallic lens by double-negative extraordinary transmission metamaterial. Applied Physics Letters, 2009, 94, 144107.	1.5	23
187	Metamaterial multiresonances in waveguide and metasurfaces. Microwave and Optical Technology Letters, 2008, 50, 2825-2827.	0.9	7
188	Negative refraction in a prism made of stacked subwavelength hole arrays. Optics Express, 2008, 16, 560.	1.7	70
189	Planoconcave lens by negative refraction of stacked subwavelength hole arrays. Optics Express, 2008, 16, 9677.	1.7	56
190	Polypropylene-substrate-based SRR- and CSRR- metasurfaces for submillimeter waves. Optics Express, 2008, 16, 18312.	1.7	33
191	Extraordinary transmission in subwavelength hole arrays at 220 GHz. , 2008, , .		0
192	Negative refraction demultiplexer metamaterial for millimeter waves. , 2008, , .		0
193	Polarization selection with stacked hole array metamaterial. Journal of Applied Physics, 2008, 103, .	1.1	54
194	Extraordinary transmission and left-handed propagation in miniaturized stacks of doubly periodic subwavelength hole arrays. Optics Express, 2007, 15, 1107.	1.7	66
195	Polarized left-handed extraordinary optical transmission of subterahertz waves. Optics Express, 2007, 15, 8125.	1.7	26
196	Quasioptical Polarizer Based on Self-Complementary Sub-Wavelength Hole Arrays. IEEE Microwave and Wireless Components Letters, 2007, 17, 834-836.	2.0	25
197	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
198	Enhanced Gain by Double-Periodic Stacked Subwavelength Hole Array. IEEE Microwave and Wireless Components Letters, 2007, 17, 831-833.	2.0	23

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199	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
200	Parametrical study of left-handed or right-handed propagation by stacking hole arrays. Optical and Quantum Electronics, 2007, 39, 285-293.	1.5	9
201	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