Weili Zhang

List of Publications by Year
in descending order

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342	20,518	10956	12233
papers	citations	71 h-index	133 g-index

343	343	343	9286
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Active control of electromagnetically induced transparency analogue in terahertz metamaterials. Nature Communications, 2012, 3, 1151.	5.8	1,008
2	Negative Refractive Index in Chiral Metamaterials. Physical Review Letters, 2009, 102, 023901.	2.9	847
3	Broadband Metasurfaces with Simultaneous Control of Phase and Amplitude. Advanced Materials, 2014, 26, 5031-5036.	11.1	612
4	Ultrasensitive terahertz sensing with high-Q Fano resonances in metasurfaces. Applied Physics Letters, 2014, 105, .	1.5	536
5	Thin-film sensing with planar terahertz metamaterials: sensitivity and limitations. Optics Express, 2008, 16, 1786.	1.7	454
6	Experimental demonstration of ultrasensitive sensing with terahertz metamaterial absorbers: A comparison with the metasurfaces. Applied Physics Letters, 2015, 106, .	1.5	427
7	Anisotropic coding metamaterials and their powerful manipulation of differently polarized terahertz waves. Light: Science and Applications, 2016, 5, e16076-e16076.	7.7	422
8	Triple-band terahertz metamaterial absorber: Design, experiment, and physical interpretation. Applied Physics Letters, 2012, 101, .	1.5	404
9	Terahertz time-domain spectroscopy characterization of the far-infrared absorption and index of refraction of high-resistivity, float-zone silicon. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1379.	0.9	384
10	Sharp Fano resonances in THz metamaterials. Optics Express, 2011, 19, 6312.	1.7	370
11	Coupling between a dark and a bright eigenmode in a terahertz metamaterial. Physical Review B, 2009, 79, .	1.1	363
12	Broadband Terahertz Wave Deflection Based on Câ€shape Complex Metamaterials with Phase Discontinuities. Advanced Materials, 2013, 25, 4567-4572.	11.1	353
13	Convolution Operations on Coding Metasurface to Reach Flexible and Continuous Controls of Terahertz Beams. Advanced Science, 2016, 3, 1600156.	5.6	343
14	Analogue of electromagnetically induced transparency in a terahertz metamaterial. Physical Review B, 2009, 80, .	1.1	340
15	A perfect metamaterial polarization rotator. Applied Physics Letters, 2013, 103, .	1.5	318
16	Observing metamaterial induced transparency in individual Fano resonators with broken symmetry. Applied Physics Letters, 2011, 99, .	1.5	268
17	Low-loss ultra-high-Q dark mode plasmonic Fano metamaterials. Optics Letters, 2012, 37, 3366.	1.7	266
18	Acoustic rainbow trapping. Scientific Reports, 2013, 3, .	1.6	240

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19	Electromagnetically induced transparency in terahertz plasmonic metamaterials via dual excitation pathways of the dark mode. Applied Physics Letters, 2012, 100, .	1.5	229
20	Highly flexible broadband terahertz metamaterial quarterâ€wave plate. Laser and Photonics Reviews, 2014, 8, 626-632.	4.4	217
21	A graphene based tunable terahertz sensor with double Fano resonances. Nanoscale, 2015, 7, 12682-12688.	2.8	217
22	Active grapheneâ€“silicon hybrid diode for terahertz waves. Nature Communications, 2015, 6, 7082.	5.8	215
23	Reflective chiral meta-holography: multiplexing holograms for circularly polarized waves. Light: Science and Applications, 2018, 7, 25.	7.7	212
24	Manipulating the plasmon-induced transparency in terahertz metamaterials. Optics Express, 2011, 19, 8912.	1.7	207
25	Terahertz transmission properties of thin, subwavelength metallic hole arrays. Optics Letters, 2004, 29, 896.	1.7	204
26	Multispectral terahertz sensing with highly flexible ultrathin metamaterial absorber. Journal of Applied Physics, 2015, 118, .	1.1	192
27	Manifestation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:math>Symmetry Breaking in Polarization Space with Terahertz Metasurfaces. Physical Review Letters, 2014, 113, 093901.	2.9	191
28	Plasmon-induced transparency in metamaterials: Active near field coupling between bright superconducting and dark metallic mode resonators. Applied Physics Letters, 2013, 103, .	1.5	182
29	Fano Resonances in Terahertz Metasurfaces: A Figure of Merit Optimization. Advanced Optical Materials, 2015, 3, 1537-1543.	3.6	176
30	A Broadband Metasurfaceâ€Based Terahertz Flatâ€Lens Array. Advanced Optical Materials, 2015, 3, 779-785.	3.6	175
31	Efficient flat metasurface lens for terahertz imaging. Optics Express, 2014, 22, 25931.	1.7	161
32	Highly tunable optical activity in planar achiral terahertz metamaterials. Optics Express, 2010, 18, 13425.	1.7	160
33	Broadband metasurface holograms: toward complete phase and amplitude engineering. Scientific Reports, 2016, 6, 32867.	1.6	160
34	Sharp Toroidal Resonances in Planar Terahertz Metasurfaces. Advanced Materials, 2016, 28, 8206-8211.	11.1	148
35	Transmission properties of terahertz pulses through subwavelength double split-ring resonators. Optics Letters, 2006, 31, 634.	1.7	147
36	Thermally Dependent Dynamic Metaâ€Holography Using a Vanadium Dioxide Integrated Metasurface. Advanced Optical Materials, 2019, 7, 1900175.	3.6	138

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37	Highâ€Efficiency Dielectric Metasurfaces for Polarizationâ€Dependent Terahertz Wavefront Manipulation. Advanced Optical Materials, 2018, 6, 1700773.	3.6	137
38	Tailoring the slow light behavior in terahertz metasurfaces. Applied Physics Letters, 2015, 106, .	1.5	127
39	Defectâ€Induced Fano Resonances in Corrugated Plasmonic Metamaterials. Advanced Optical Materials, 2017, 5, 1600960.	3.6	121
40	Terahertz surface plasmonic waves: a review. Advanced Photonics, 2020, 2, 1.	6.2	118
41	Hiding a Realistic Object Using a Broadband Terahertz Invisibility Cloak. Scientific Reports, 2011, 1, 78.	1.6	113
42	A Tunable Dispersionâ€Free Terahertz Metadevice with Pancharatnamâ€“Berryâ€Phaseâ€Enabled Modulation and Polarization Control. Advanced Materials, 2015, 27, 6630-6636.	11.1	113
43	Resonant terahertz transmission in subwavelength metallic hole arrays of sub-skin-depth thickness. Optics Letters, 2005, 30, 2945.	1.7	109
44	Terahertz superconductor metamaterial. Applied Physics Letters, 2010, 97, .	1.5	109
45	Monolayer graphene sensing enabled by the strong Fano-resonant metasurface. Nanoscale, 2016, 8, 17278-17284.	2.8	107
46	Ultrahighâ€Q Fano Resonances in Terahertz Metasurfaces: Strong Influence of Metallic Conductivity at Extremely Low Asymmetry. Advanced Optical Materials, 2016, 4, 457-463.	3.6	106
47	Optically thin terahertz metamaterials. Optics Express, 2008, 16, 6537.	1.7	101
48	Polarization-independent and angle-insensitive broadband absorber with a target-patterned graphene layer in the terahertz regime. Optics Express, 2018, 26, 25558.	1.7	101
49	Strong influence of packing density in terahertz metamaterials. Applied Physics Letters, 2010, 97, .	1.5	100
50	Direct polarization measurement using a multiplexed Pancharatnamâ€“Berry metahologram. Optica, 2019, 6, 1190.	4.8	100
51	Asymmetric planar terahertz metamaterials. Optics Express, 2010, 18, 13044.	1.7	98
52	Manipulating polarization states of terahertz radiation using metamaterials. New Journal of Physics, 2012, 14, 115013.	1.2	95
53	The Fano Resonance in Symmetry Broken Terahertz Metamaterials. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 820-826.	2.0	95
54	Broadband plasmon induced transparency in terahertz metamaterials. Nanotechnology, 2013, 24, 214003.	1.3	94

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55	Effect of metal permittivity on resonant properties of terahertz metamaterials. Optics Letters, 2008, 33, 1506.	1.7	91
56	Terahertz studies of carrier dynamics and dielectric response of n-type, freestanding epitaxial GaN. Applied Physics Letters, 2003, 82, 2841-2843.	1.5	90
57	Generation of terahertz vector beams using dielectric metasurfaces via spin-decoupled phase control. Nanophotonics, 2020, 9, 3393-3402.	2.9	88
58	Polarization Control in Terahertz Metasurfaces with the Lowest Order Rotational Symmetry. Advanced Optical Materials, 2015, 3, 1176-1183.	3.6	87
59	Dual control of active grapheneâ€“silicon hybrid metamaterial devices. Carbon, 2015, 90, 146-153.	5.4	85
60	Transmission properties of terahertz pulses through an ultrathin subwavelength silicon hole array. Applied Physics Letters, 2005, 86, 141102.	1.5	84
61	Plasmon-induced transparency in twisted Fano terahertz metamaterials. Optical Materials Express, 2011, 1, 391.	1.6	82
62	Effect of dielectric properties of metals on terahertz transmission in subwavelength hole arrays. Optics Letters, 2006, 31, 2637.	1.7	81
63	Photonic Weyl points due to broken time-reversal symmetry in magnetized semiconductor. Nature Physics, 2019, 15, 1150-1155.	6.5	81
64	Terahertz spoof surface-plasmon-polariton subwavelength waveguide. Photonics Research, 2018, 6, 18.	3.4	79
65	Electrically Tunable Perfect Terahertz Absorber Based on a Graphene Salisbury Screen Hybrid Metasurface. Advanced Optical Materials, 2020, 8, 1900660.	3.6	79
66	Electromagnetically induced absorption in a three-resonator metasurface system. Scientific Reports, 2015, 5, 10737.	1.6	78
67	Direct Observation of a Transition of a Surface Plasmon Resonance from a Photonic Crystal Effect. Physical Review Letters, 2007, 98, 183901.	2.9	77
68	Polarization-independent all-silicon dielectric metasurfaces in the terahertz regime. Photonics Research, 2018, 6, 24.	3.4	77
69	Spiral-type terahertz antennas and the manifestation of the Mushiake principle. Optics Express, 2009, 17, 9971.	1.7	76
70	Far-infrared signature of animal tissues characterized by terahertz time-domain spectroscopy. Optics Communications, 2006, 259, 389-392.	1.0	75
71	Ultra-high Q even eigenmode resonance in terahertz metamaterials. Applied Physics Letters, 2015, 106, .	1.5	75
72	Increased frequency shifts in high aspect ratio terahertz split ring resonators. Applied Physics Letters, 2009, 94, .	1.5	74

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73	Spin-Decoupled Multifunctional Metasurface for Asymmetric Polarization Generation. ACS Photonics, 2019, 6, 2933-2941.	3.2	74
74	Thermal broadband tunable Terahertz metamaterials. Optics Communications, 2011, 284, 3129-3133.	1.0	73
75	Additive Manufacturing of a 3D Terahertz Gradientâ€Refractive Index Lens. Advanced Optical Materials, 2016, 4, 1034-1040.	3.6	73
76	Terahertz sensing of highly absorptive water-methanol mixtures with multiple resonances in metamaterials. Optics Express, 2017, 25, 14089.	1.7	73
77	Broadband resonant terahertz transmission in a composite metal-dielectric structure. Optics Express, 2009, 17, 16527.	1.7	71
78	Robust Large Dimension Terahertz Cloaking. Advanced Materials, 2012, 24, 916-921.	11.1	71
79	Frequency-agile electromagnetically induced transparency analogue in terahertz metamaterials. Optics Letters, 2016, 41, 4562.	1.7	67
80	Broadband non-polarizing terahertz beam splitters with variable split ratio. Applied Physics Letters, 2017, 111, .	1.5	67
81	Excite Spoof Surface Plasmons with Tailored Wavefronts Using Highâ€Efficiency Terahertz Metasurfaces. Advanced Science, 2020, 7, 2000982.	5.6	67
82	Terahertz superconducting plasmonic hole array. Optics Letters, 2010, 35, 3586.	1.7	66
83	Full-State Controls of Terahertz Waves Using Tensor Coding Metasurfaces. ACS Applied Materials & Interfaces, 2017, 9, 21503-21514.	4.0	66
84	The impact of nearest neighbor interaction on the resonances in terahertz metamaterials. Applied Physics Letters, 2009, 94, 021116.	1.5	65
85	A close-ring pair terahertz metamaterial resonating at normal incidence. Optics Express, 2009, 17, 20307.	1.7	65
86	Controlling metamaterial resonances via dielectric and aspect ratio effects. Applied Physics Letters, 2010, 97, .	1.5	65
87	Bilayer-fish-scale ultrabroad terahertz bandpass filter. Optics Letters, 2012, 37, 906.	1.7	65
88	High-sensitivity and label-free identification of a transgenic genome using a terahertz meta-biosensor. Optics Express, 2018, 26, 31589.	1.7	65
89	Antireflection-assisted all-dielectric terahertz metamaterial polarization converter. Applied Physics Letters, 2018, 113, .	1.5	61
90	Temperature-Controlled Asymmetric Transmission of Electromagnetic Waves. Scientific Reports, 2019, 9, 4097.	1.6	60

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91	Dual-Wavelength Terahertz Metasurfaces with Independent Phase and Amplitude Control at Each Wavelength. Scientific Reports, 2016, 6, 34020.	1.6	59
92	Polarization-Independent Plasmon-Induced Transparency in a Fourfold Symmetric Terahertz Metamaterial. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8400707-8400707.	1.9	58
93	All-Dielectric Meta-Holograms with Holographic Images Transforming Longitudinally. ACS Photonics, 2018, 5, 599-606.	3.2	58
94	Temperatureâ€Controlled Optical Activity and Negative Refractive Index. Advanced Functional Materials, 2021, 31, 2010249.	7.8	58
95	Optical and dielectric properties of ZnO tetrapod structures at terahertz frequencies. Applied Physics Letters, 2006, 89, 031107.	1.5	57
96	Cryogenic temperatures as a path toward high-Q terahertz metamaterials. Applied Physics Letters, 2010, 96, .	1.5	57
97	Probing the transition from an uncoupled to a strong near-field coupled regime between bright and dark mode resonators in metasurfaces. Applied Physics Letters, 2014, 105, .	1.5	57
98	Asymmetric excitation of surface plasmons by dark mode coupling. Science Advances, 2016, 2, e1501142.	4.7	57
99	Coupling between surface plasmons and nonresonant transmission in subwavelength holes at terahertz frequencies. Applied Physics Letters, 2007, 91, .	1.5	56
100	Random terahertz metamaterials. Journal of Optics (United Kingdom), 2010, 12, 015101.	1.0	55
101	Limitation in thin-film sensing with transmission-mode terahertz time-domain spectroscopy. Optics Express, 2014, 22, 972.	1.7	55
102	Polarizationâ€controlled surface plasmon holography. Laser and Photonics Reviews, 2017, 11, 1600212.	4.4	55
103	Endoscopic, rapid near-infrared optical tomography. Optics Letters, 2006, 31, 2876.	1.7	54
104	Anomalous Surface Wave Launching by Handedness Phase Control. Advanced Materials, 2015, 27, 7123-7129.	11.1	54
105	Polarization and Frequency Multiplexed Terahertz Metaâ€Holography. Advanced Optical Materials, 2017, 5, 1700277.	3.6	54
106	Active metasurface terahertz deflector with phase discontinuities. Optics Express, 2015, 23, 27152.	1.7	53
107	Dielectric Metasurfaces for Complete Control of Phase, Amplitude, and Polarization. Advanced Optical Materials, 2022, 10, 2101223.	3.6	53
108	Terahertz dielectric properties of high-resistivity single-crystal ZnO. Applied Physics Letters, 2006, 88, 021103.	1.5	52

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109	Integrated Terahertz Generator-Manipulators Using Epsilon-near-Zero-Hybrid Nonlinear Metasurfaces. Nano Letters, 2021, 21, 7699-7707.	4.5	52
110	Third-order optical nonlinearity in ZnO microcrystallite thin films. Applied Physics Letters, 1999, 75, 3321-3323.	1.5	50
111	Ultrafast optical control of terahertz surface plasmons in subwavelength hole arrays at room temperature. Applied Physics Letters, 2009, 95, 011105.	1.5	50
112	Observation of Hourglass Nodal Lines in Photonics. Physical Review Letters, 2019, 122, 103903.	2.9	50
113	Emission linewidth of laser action in random gain media. Optics Letters, 1995, 20, 961.	1.7	48
114	High-Q lattice mode matched structural resonances in terahertz metasurfaces. Applied Physics Letters, 2016, 109, .	1.5	48
115	Broadband and Robust Metalens with Nonlinear Phase Profiles for Efficient Terahertz Wave Control. Advanced Optical Materials, 2017, 5, 1601084.	3.6	47
116	Broadband terahertz wave generation from an epsilon-near-zero material. Light: Science and Applications, 2021, 10, 11.	7.7	47
117	Ultrathin metasurface-based carpet cloak for terahertz wave. Optics Express, 2017, 25, 15635.	1.7	46
118	Radiative recombination and ultralong exciton photoluminescence lifetime in GaN freestanding film via two-photon excitation. Applied Physics Letters, 2006, 89, 022108.	1.5	45
119	Modulating the fundamental inductive-capacitive resonance in asymmetric double-split ring terahertz metamaterials. Applied Physics Letters, 2011, 98, 121114.	1.5	45
120	Switchable Chiral Mirrors. Advanced Optical Materials, 2020, 8, 2000247.	3.6	45
121	Broadband terahertz rotator with an all-dielectric metasurface. Photonics Research, 2018, 6, 1056.	3.4	45
122	Active Control of Asymmetric Fano Resonances with Grapheneâ€“Siliconâ€Integrated Terahertz Metamaterials. Advanced Materials Technologies, 2020, 5, 1900840.	3.0	44
123	Dual-band dichroic asymmetric transmission of linearly polarized waves in terahertz chiral metamaterial. Nanophotonics, 2020, 9, 3235-3242.	2.9	44
124	The anti-icing and mechanical properties of a superhydrophobic coating on asphalt pavement. Construction and Building Materials, 2018, 190, 83-94.	3.2	43
125	Far-infrared optical and dielectric response of ZnS measured by terahertz time-domain spectroscopy. Applied Physics Letters, 2005, 86, 131111.	1.5	42
126	Magnetic and magnetothermal tunabilities of subwavelength-hole arrays in a semiconductor sheet. Optics Letters, 2009, 34, 1465.	1.7	42

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127	An active hybrid plasmonic metamaterial. Optical Materials Express, 2012, 2, 31.	1.6	42
128	Regular, period-doubling, quasi-periodic, and chaotic behavior in a self-mode-locked Ti:sapphire laser. Optics Communications, 1999, 162, 71-74.	1.0	41
129	Far-Infrared Characteristics of ZnS Nanoparticles Measured by Terahertz Time-Domain Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 1989-1993.	1.2	41
130	Terahertz Dielectric Properties of MgO Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 17512-17516.	1.5	41
131	Dynamic mode coupling in terahertz metamaterials. Scientific Reports, 2015, 5, 10823.	1.6	41
132	Coherent Control of Optical Spinâ€toâ€Orbital Angular Momentum Conversion in Metasurface. Advanced Materials, 2017, 29, 1604252.	11.1	40
133	Pancharatnamâ€“Berry Phase Induced Spinâ€Selective Transmission in Herringbone Dielectric Metamaterials. Advanced Materials, 2016, 28, 9567-9572.	11.1	39
134	Tailoring the plasmon-induced transparency resonances in terahertz metamaterials. Optics Express, 2017, 25, 19844.	1.7	39
135	Terahertz metasurfaces with a high refractive index enhanced by the strong nearest neighbor coupling. Optics Express, 2015, 23, 29222.	1.7	38
136	A New Ba_{0.6}Sr_{0.4}TiO₃â€“Silicon Hybrid Metamaterial Device in Terahertz Regime. Small, 2016, 12, 2610-2615.	5.2	38
137	Pulse splitting in a self-mode-locked Ti:sapphire laser. Optics Communications, 1997, 137, 89-92.	1.0	37
138	Freeâ€Standing Metasurfaces for Highâ€Efficiency Transmitarrays for Controlling Terahertz Waves. Advanced Optical Materials, 2016, 4, 384-390.	3.6	37
139	Dual-Functional Terahertz Waveplate Based on All-Dielectric Metamaterial. Physical Review Applied, 2020, 13, .	1.5	37
140	Terahertz bound states in the continuum with incident angle robustness induced by a dual period metagrating. Photonics Research, 2022, 10, 810.	3.4	37
141	Dielectric response of soft mode in ferroelectric SrTiO3. Applied Physics Letters, 2007, 90, 031104.	1.5	36
142	Resonant terahertz reflection of periodic arrays of subwavelength metallic rectangles. Applied Physics Letters, 2008, 92, 121103.	1.5	36
143	A dynamically tunable terahertz metamaterial absorber based on an electrostatic MEMS actuator and electrical dipole resonator array. Journal of Micromechanics and Microengineering, 2016, 26, 025006.	1.5	36
144	Bandwidth broadening of a linear polarization converter by near-field metasurface coupling. Scientific Reports, 2017, 7, 6817.	1.6	35

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145	Anomalous terahertz transmission in bow-tie plasmonic antenna apertures. Optics Letters, 2011, 36, 2901.	1.7	33
146	Mapping the near-field propagation of surface plasmons on terahertz metasurfaces. Applied Physics Letters, 2015, 107, 021105.	1.5	33
147	Polarization-controlled asymmetric excitation of surface plasmons. Optica, 2017, 4, 1044.	4.8	33
148	Terahertz transmission in subwavelength holes of asymmetric metal-dielectric interfaces: The effect of a dielectric layer. Journal of Applied Physics, 2008, 103, .	1.1	32
149	A Broadband THz-TDS System Based on DSTMS Emitter and LTG InGaAs/InAlAs Photoconductive Antenna Detector. Scientific Reports, 2016, 6, 26949.	1.6	32
150	Tailoring the Electromagnetically Induced Transparency and Absorbance in Coupled Fanoâ€“Lorentzian Metasurfaces: A Classical Analog of a Fourâ€Łevel Tripod Quantum System. Advanced Optical Materials, 2016, 4, 1179-1185.	3.6	32
151	Near Field Coupling in Passive and Active Terahertz Metamaterial Devices. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 783-790.	2.0	31
152	Nonlinear THzâ€Nano Metasurfaces. Advanced Functional Materials, 2021, 31, 2100463.	7.8	31
153	Growth and laser properties of Nd:Ca4YO(BO3)3 crystal. Optics Communications, 1999, 160, 273-276.	1.0	30
154	Membrane metamaterial resonators with a sharp resonance: A comprehensive study towards practical terahertz filters and sensors. AIP Advances, 2012, 2, .	0.6	30
155	Terahertz Dielectric Properties and Low-Frequency Phonon Resonances of ZnO Nanostructures. Journal of Physical Chemistry C, 2007, 111, 13000-13006.	1.5	29
156	Coherent Perfect Diffraction in Metagratings. Advanced Materials, 2020, 32, e2002341.	11.1	29
157	Broadband Terahertz Wave Deflection Based on Câ€shape Complex Metamaterials with Phase Discontinuities (Adv. Mater. 33/2013). Advanced Materials, 2013, 25, 4566-4566.	11.1	28
158	A Metamaterial-Based Terahertz Low-Pass Filter With Low Insertion Loss and Sharp Rejection. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 832-837.	2.0	28
159	Active control of polarization-dependent near-field coupling in hybrid metasurfaces. Applied Physics Letters, 2018, 113, .	1.5	28
160	Far-Infrared Characteristics of Bulk and Nanostructured Wide-Bandgap Semiconductors. Journal of Nanoelectronics and Optoelectronics, 2007, 2, 222-233.	0.1	28
161	Resonance tuning due to Coulomb interaction in strong near-field coupled metamaterials. Journal of Applied Physics, 2015, 118, .	1.1	27
162	Near-field surface plasmons on quasicrystal metasurfaces. Scientific Reports, 2016, 6, 26.	1.6	27

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163	Achromatic Dielectric Metasurface with Linear Phase Gradient in the Terahertz Domain. Advanced Optical Materials, 2021, 9, 2001403.	3.6	27
164	Localized Plasmonic Properties of Subwavelength Geometries Resonating at Terahertz Frequencies. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 119-129.	1.9	26
165	Efficient Metacoupler for Complex Surface Plasmon Launching. Advanced Optical Materials, 2018, 6, 1701117.	3.6	25
166	Temperature-controlled terahertz polarization conversion bandwidth. Optics Express, 2021, 29, 21738.	1.7	25
167	Exceptional point in a metal-graphene hybrid metasurface with tunable asymmetric loss. Optics Express, 2020, 28, 20083.	1.7	25
168	Terahertz polarization converter based on all-dielectric high birefringence metamaterial with elliptical air holes. Optics Communications, 2018, 416, 130-136.	1.0	24
169	Anisotropic Plasmonic Response of Black Phosphorus Nanostrips in Terahertz Metamaterials. IEEE Photonics Journal, 2018, 10, 1-9.	1.0	24
170	Multifunctional Allâ€Dielectric Metasurfaces for Terahertz Multiplexing. Advanced Optical Materials, 2021, 9, 2100506.	3.6	24
171	Mechanically reprogrammable Pancharatnamâ€“Berry metasurface for microwaves. Advanced Photonics, 2022, 4, .	6.2	24
172	Surface plasmon enhanced terahertz spectroscopic distinguishing between isotopes. Chemical Physics Letters, 2009, 475, 132-134.	1.2	23
173	Tailoring terahertz plasmons with silver nanorod arrays. Scientific Reports, 2013, 3, .	1.6	23
174	Broadband Terahertz Transparency in a Switchable Metasurface. IEEE Photonics Journal, 2015, 7, 1-8.	1.0	23
175	Aperiodic-metamaterial-based absorber. APL Materials, 2017, 5, .	2.2	23
176	Rotated Pillars for Functional Integrated Onâ€Chip Terahertz Spoof Surfaceâ€Plasmonâ€Polariton Devices. Advanced Optical Materials, 2022, 10, .	3.6	23
177	Broadband Terahertz Pulses Generated by a Compact Femtosecond Photonic Crystal Fiber Amplifier. IEEE Photonics Technology Letters, 2010, 22, 814-816.	1.3	22
178	Tailoring mode interference in plasmon-induced transparency metamaterials. Journal Physics D: Applied Physics, 2018, 51, 174005.	1.3	22
179	High-performance and compact broadband terahertz plasmonic waveguide intersection. Nanophotonics, 2019, 8, 1811-1819.	2.9	22
180	Terahertz electric field modulated mode coupling in graphene-metal hybrid metamaterials. Optics Express, 2019, 27, 2317.	1.7	22

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181	Coupling Plasmonic System for Efficient Wavefront Control. ACS Applied Materials & Interfaces, 2021, 13, 5844-5852.	4.0	22
182	Self-Q switched self-mode-locked Ti: sapphire laser. Optics Communications, 1995, 119, 113-116.	1.0	21
183	Terahertz localized plasmonic properties of subwavelength ring and coaxial geometries. Applied Physics Letters, 2009, 94, 181106.	1.5	20
184	Effective properties of terahertz double split-ring resonators at oblique incidence. Journal of the Optical Society of America B: Optical Physics, 2009, 26, B143.	0.9	20
185	Time-domain terahertz optoacoustics: manipulable water sensing and dampening. Advanced Photonics, 2021, 3, .	6.2	20
186	Ultra-broadband microwave metamaterial absorber with tetramethylurea inclusion. Optics Express, 2019, 27, 25595.	1.7	20
187	Large dynamic resonance transition between surface plasmon and localized surface plasmon modes. Optics Express, 2010, 18, 12482.	1.7	19
188	Superconductive PT-symmetry phase transition in metasurfaces. Applied Physics Letters, 2017, 110, .	1.5	19
189	All-Dielectric Meta-lens Designed for Photoconductive Terahertz Antennas. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	19
190	Broadband terahertz metamaterial absorber with two interlaced fishnet layers. AIP Advances, 2018, 8, .	0.6	19
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