Weili Zhang

List of Publications by Citations

295 papers	15,094 citations	62 h-index	114 g-index
343 ext. papers	18,095 ext. citations	5.4 avg, IF	6.6 L-index

#	Paper	IF	Citations
295	Active control of electromagnetically induced transparency analogue in terahertz metamaterials. *Nature Communications*, **2012**, 3, 1151	17.4	783
294	Negative refractive index in chiral metamaterials. *Physical Review Letters*, **2009**, 102, 023901	7.4	708
293	Broadband metasurfaces with simultaneous control of phase and amplitude. *Advanced Materials*, **2014**, 26, 5031-6	24	422
292	Ultrasensitive terahertz sensing with high-Q Fano resonances in metasurfaces. *Applied Physics Letters*, **2014**, 105, 171101	3.4	398
291	Thin-film sensing with planar terahertz metamaterials: sensitivity and limitations. *Optics Express*, **2008**, 16, 1786-95	3.3	372
290	Triple-band terahertz metamaterial absorber: Design, experiment, and physical interpretation. *Applied Physics Letters*, **2012**, 101, 154102	3.4	331
289	Experimental demonstration of ultrasensitive sensing with terahertz metamaterial absorbers: A comparison with the metasurfaces. *Applied Physics Letters*, **2015**, 106, 031107	3.4	324
288	Sharp Fano resonances in THz metamaterials. *Optics Express*, **2011**, 19, 6312-9	3.3	310
287	Coupling between a dark and a bright eigenmode in a terahertz metamaterial. *Physical Review B*, **2009**, 79,	3.3	304
286	Anisotropic coding metamaterials and their powerful manipulation of differently polarized terahertz waves. *Light: Science and Applications*, **2016**, 5, e16076	16.7	301
285	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	1.7	287
284	Analogue of electromagnetically induced transparency in a terahertz metamaterial. *Physical Review B*, **2009**, 80,	3.3	283
283	Broadband terahertz wave deflection based on C-shape complex metamaterials with phase discontinuities. *Advanced Materials*, **2013**, 25, 4567-72	24	258
282	A perfect metamaterial polarization rotator. *Applied Physics Letters*, **2013**, 103, 171107	3.4	243
281	Observing metamaterial induced transparency in individual Fano resonators with broken symmetry. *Applied Physics Letters*, **2011**, 99, 201107	3.4	228
280	Low-loss ultra-high-Q dark mode plasmonic Fano metamaterials. *Optics Letters*, **2012**, 37, 3366-8	3	214
279	Convolution Operations on Coding Metasurface to Reach Flexible and Continuous Controls of Terahertz Beams. *Advanced Science*, **2016**, 3, 1600156	13.6	199

278	Electromagnetically induced transparency in terahertz plasmonic metamaterials via dual excitation pathways of the dark mode. *Applied Physics Letters*, **2012**, 100, 131101	3.4	181
277	Acoustic rainbow trapping. *Scientific Reports*, **2013**, 3,	4.9	181
276	Manipulating the plasmon-induced transparency in terahertz metamaterials. *Optics Express*, **2011**, 19, 8912-9	3.3	174
275	Active graphene-silicon hybrid diode for terahertz waves. *Nature Communications*, **2015**, 6, 7082	17.4	168
274	Highly flexible broadband terahertz metamaterial quarter-wave plate. *Laser and Photonics Reviews*, **2014**, 8, 626-632	8.3	165
273	Terahertz transmission properties of thin, subwavelength metallic hole arrays. *Optics Letters*, **2004**, 29, 896-8	3	164
272	A graphene based tunable terahertz sensor with double Fano resonances. *Nanoscale*, **2015**, 7, 12682-8	7.7	154
271	Plasmon-induced transparency in metamaterials: Active near field coupling between bright superconducting and dark metallic mode resonators. *Applied Physics Letters*, **2013**, 103, 101106	3.4	154
270	Multispectral terahertz sensing with highly flexible ultrathin metamaterial absorber. *Journal of Applied Physics*, **2015**, 118, 083103	2.5	142
269	Highly tunable optical activity in planar achiral terahertz metamaterials. *Optics Express*, **2010**, 18, 13425-30	3.3	135
268	A Broadband Metasurface-Based Terahertz Flat-Lens Array. *Advanced Optical Materials*, **2015**, 3, 779-785	8.1	127
267	Manifestation of PT symmetry breaking in polarization space with terahertz metasurfaces. *Physical Review Letters*, **2014**, 113, 093901	7.4	125
266	Fano Resonances in Terahertz Metasurfaces: A Figure of Merit Optimization. *Advanced Optical Materials*, **2015**, 3, 1537-1543	8.1	125
265	Reflective chiral meta-holography: multiplexing holograms for circularly polarized waves. *Light: Science and Applications*, **2018**, 7, 25	16.7	123
264	Transmission properties of terahertz pulses through subwavelength double split-ring resonators. *Optics Letters*, **2006**, 31, 634-6	3	120
263	Efficient flat metasurface lens for terahertz imaging. *Optics Express*, **2014**, 22, 25931-9	3.3	117
262	Sharp Toroidal Resonances in Planar Terahertz Metasurfaces. *Advanced Materials*, **2016**, 28, 8206-8211	24	115
261	Broadband metasurface holograms: toward complete phase and amplitude engineering. *Scientific Reports*, **2016**, 6, 32867	4.9	103

260	Tailoring the slow light behavior in terahertz metasurfaces. *Applied Physics Letters*, **2015**, 106, 181101	3.4	100
259	Hiding a realistic object using a broadband terahertz invisibility cloak. *Scientific Reports*, **2011**, 1, 78	4.9	99
258	Terahertz superconductor metamaterial. *Applied Physics Letters*, **2010**, 97, 071102	3.4	95
257	High-Efficiency Dielectric Metasurfaces for Polarization-Dependent Terahertz Wavefront Manipulation. *Advanced Optical Materials*, **2018**, 6, 1700773	8.1	92
256	Strong influence of packing density in terahertz metamaterials. *Applied Physics Letters*, **2010**, 97, 241108	3.4	89
255	Asymmetric planar terahertz metamaterials. *Optics Express*, **2010**, 18, 13044-50	3.3	87
254	Optically thin terahertz metamaterials. *Optics Express*, **2008**, 16, 6537-43	3.3	87
253	Defect-Induced Fano Resonances in Corrugated Plasmonic Metamaterials. *Advanced Optical Materials*, **2017**, 5, 1600960	8.1	84
252	Resonant terahertz transmission in subwavelength metallic hole arrays of sub-skin-depth thickness. *Optics Letters*, **2005**, 30, 2945-7	3	84
251	A Tunable Dispersion-Free Terahertz Metadevice with Pancharatnam-Berry-Phase-Enabled Modulation and Polarization Control. *Advanced Materials*, **2015**, 27, 6630-6	24	83
250	Monolayer graphene sensing enabled by the strong Fano-resonant metasurface. *Nanoscale*, **2016**, 8, 17278-17284	7.7	82
249	Manipulating polarization states of terahertz radiation using metamaterials. *New Journal of Physics*, **2012**, 14, 115013	2.9	81
248	Broadband plasmon induced transparency in terahertz metamaterials. *Nanotechnology*, **2013**, 24, 214003	3.4	79
247	Thermally Dependent Dynamic Meta-Holography Using a Vanadium Dioxide Integrated Metasurface. *Advanced Optical Materials*, **2019**, 7, 1900175	8.1	78
246	The Fano Resonance in Symmetry Broken Terahertz Metamaterials. *IEEE Transactions on Terahertz Science and Technology*, **2013**, 3, 820-826	3.4	78
245	Ultrahigh-Q Fano Resonances in Terahertz Metasurfaces: Strong Influence of Metallic Conductivity at Extremely Low Asymmetry. *Advanced Optical Materials*, **2016**, 4, 457-463	8.1	75
244	Plasmon-induced transparency in twisted Fano terahertz metamaterials. *Optical Materials Express*, **2011**, 1, 391	2.6	75
243	Effect of metal permittivity on resonant properties of terahertz metamaterials. *Optics Letters*, **2008**, 33, 1506-8	3	74

242	Polarization Control in Terahertz Metasurfaces with the Lowest Order Rotational Symmetry. *Advanced Optical Materials*, **2015**, 3, 1176-1183	8.1	72
241	Direct observation of a transition of a surface plasmon resonance from a photonic crystal effect. *Physical Review Letters*, **2007**, 98, 183901	7.4	71
240	Transmission properties of terahertz pulses through an ultrathin subwavelength silicon hole array. *Applied Physics Letters*, **2005**, 86, 141102	3.4	71
239	Effect of dielectric properties of metals on terahertz transmission subwavelength hole arrays. *Optics Letters*, **2006**, 31, 2637-9	3	68
238	Terahertz studies of carrier dynamics and dielectric response of n-type, freestanding epitaxial GaN. *Applied Physics Letters*, **2003**, 82, 2841-2843	3.4	68
237	Polarization-independent and angle-insensitive broadband absorber with a target-patterned graphene layer in the terahertz regime. *Optics Express*, **2018**, 26, 25558-25566	3.3	68
236	Robust large dimension terahertz cloaking. *Advanced Materials*, **2012**, 24, 916-21	24	64
235	Increased frequency shifts in high aspect ratio terahertz split ring resonators. *Applied Physics Letters*, **2009**, 94, 064102	3.4	64
234	Dual control of active graphene–silicon hybrid metamaterial devices. *Carbon*, **2015**, 90, 146-153	10.4	63
233	Additive Manufacturing of a 3D Terahertz Gradient-Refractive Index Lens. *Advanced Optical Materials*, **2016**, 4, 1034-1040	8.1	60
232	Spiral-type terahertz antennas and the manifestation of the Mushiake principle. *Optics Express*, **2009**, 17, 9971-80	3.3	60
231	Broadband resonant terahertz transmission in a composite metal-dielectric structure. *Optics Express*, **2009**, 17, 16527-34	3.3	59
230	Far-infrared signature of animal tissues characterized by terahertz time-domain spectroscopy. *Optics Communications*, **2006**, 259, 389-392	2	59
229	Frequency-agile electromagnetically induced transparency analogue in terahertz metamaterials. *Optics Letters*, **2016**, 41, 4562-4565	3	58
228	Ultra-high Q even eigenmode resonance in terahertz metamaterials. *Applied Physics Letters*, **2015**, 106, 011102	3.4	57
227	Electromagnetically induced absorption in a three-resonator metasurface system. *Scientific Reports* , **2015**, 5, 10737	4.9	55
226	Controlling metamaterial resonances via dielectric and aspect ratio effects. *Applied Physics Letters*, **2010**, 97, 191906	3.4	55
225	The impact of nearest neighbor interaction on the resonances in terahertz metamaterials. *Applied Physics Letters*, **2009**, 94, 021116	3.4	55

224	Terahertz surface plasmonic waves: a review. *Advanced Photonics*, **2020**, 2, 1	8.1	55
223	Thermal broadband tunable Terahertz metamaterials. *Optics Communications*, **2011**, 284, 3129-3133	2	54
222	A close-ring pair terahertz metamaterial resonating at normal incidence. *Optics Express*, **2009**, 17, 20307-12	3.3	53
221	Terahertz superconducting plasmonic hole array. *Optics Letters*, **2010**, 35, 3586-8	3	52
220	Bilayer-fish-scale ultrabroad terahertz bandpass filter. *Optics Letters*, **2012**, 37, 906-8	3	52
219	Optical and dielectric properties of ZnO tetrapod structures at terahertz frequencies. *Applied Physics Letters*, **2006**, 89, 031107	3.4	52
218	Terahertz spoof surface-plasmon-polariton subwavelength waveguide. *Photonics Research*, **2018**, 6, 18	6	50
217	Coupling between surface plasmons and nonresonant transmission in subwavelength holes at terahertz frequencies. *Applied Physics Letters*, **2007**, 91, 071122	3.4	50
216	Direct polarization measurement using a multiplexed PancharatnamBerry metahologram. *Optica*, **2019**, 6, 1190	8.6	50
215	Cryogenic temperatures as a path toward high-Q terahertz metamaterials. *Applied Physics Letters*, **2010**, 96, 071114	3.4	49
214	Random terahertz metamaterials. *Journal of Optics (United Kingdom)*, **2010**, 12, 015101	1.7	48
213	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, 081108	3.4	47
212	Third-order optical nonlinearity in ZnO microcrystallite thin films. *Applied Physics Letters*, **1999**, 75, 3321-3323	3.4	47
211	Polarization-independent all-silicon dielectric metasurfaces in the terahertz regime. *Photonics Research*, **2018**, 6, 24	6	46
210	Full-State Controls of Terahertz Waves Using Tensor Coding Metasurfaces. *ACS Applied Materials & Interfaces*, **2017**, 9, 21503-21514	9.5	46
209	Dual-Wavelength Terahertz Metasurfaces with Independent Phase and Amplitude Control at Each Wavelength. *Scientific Reports*, **2016**, 6, 34020	4.9	45
208	Broadband non-polarizing terahertz beam splitters with variable split ratio. *Applied Physics Letters*, **2017**, 111, 071101	3.4	45
207	Limitation in thin-film sensing with transmission-mode terahertz time-domain spectroscopy. *Optics Express*, **2014**, 22, 972-86	3.3	45

206	Ultrafast optical control of terahertz surface plasmons in subwavelength hole arrays at room temperature. *Applied Physics Letters*, **2009**, 95, 011105	3.4	45
205	Terahertz dielectric properties of high-resistivity single-crystal ZnO. *Applied Physics Letters*, **2006**, 88, 021103	3.4	45
204	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2013**, 19, 8400707-8400707	3.8	44
203	Terahertz sensing of highly absorptive water-methanol mixtures with multiple resonances in metamaterials. *Optics Express*, **2017**, 25, 14089-14097	3.3	43
202	Endoscopic, rapid near-infrared optical tomography. *Optics Letters*, **2006**, 31, 2876-8	3	42
201	Emission linewidth of laser action in random gain media. *Optics Letters*, **1995**, 20, 961	3	42
200	Electrically Tunable Perfect Terahertz Absorber Based on a Graphene Salisbury Screen Hybrid Metasurface. *Advanced Optical Materials*, **2020**, 8, 1900660	8.1	42
199	Active metasurface terahertz deflector with phase discontinuities. *Optics Express*, **2015**, 23, 27152-8	3.3	41
198	Modulating the fundamental inductive-capacitive resonance in asymmetric double-split ring terahertz metamaterials. *Applied Physics Letters*, **2011**, 98, 121114	3.4	41
197	Photonic Weyl points due to broken time-reversal symmetry in magnetized semiconductor. *Nature Physics*, **2019**, 15, 1150-1155	16.2	40
196	Radiative recombination and ultralong exciton photoluminescence lifetime in GaN freestanding film via two-photon excitation. *Applied Physics Letters*, **2006**, 89, 022108	3.4	40
195	Asymmetric excitation of surface plasmons by dark mode coupling. *Science Advances*, **2016**, 2, e1501142	14.3	39
194	All-Dielectric Meta-Holograms with Holographic Images Transforming Longitudinally. *ACS Photonics* , **2018**, 5, 599-606	6.3	39
193	Ultrathin metasurface-based carpet cloak for terahertz wave. *Optics Express*, **2017**, 25, 15635-15642	3.3	38
192	Anomalous Surface Wave Launching by Handedness Phase Control. *Advanced Materials*, **2015**, 27, 7123-9	24	38
191	An active hybrid plasmonic metamaterial. *Optical Materials Express*, **2012**, 2, 31	2.6	37
190	Far-infrared characteristics of ZnS nanoparticles measured by terahertz time-domain spectroscopy. *Journal of Physical Chemistry B*, **2006**, 110, 1989-93	3.4	37
189	Polarization-controlled surface plasmon holography. *Laser and Photonics Reviews*, **2017**, 11, 1600212	8.3	36

188	Temperature-Controlled Asymmetric Transmission of Electromagnetic Waves. *Scientific Reports*, **2019**, 9, 4097	4.9	36
187	Antireflection-assisted all-dielectric terahertz metamaterial polarization converter. *Applied Physics Letters*, **2018**, 113, 101104	3.4	36
186	Broadband and Robust Metalens with Nonlinear Phase Profiles for Efficient Terahertz Wave Control. *Advanced Optical Materials*, **2017**, 5, 1601084	8.1	35
185	Spin-Decoupled Multifunctional Metasurface for Asymmetric Polarization Generation. *ACS Photonics*, **2019**, 6, 2933-2941	6.3	35
184	Resonant terahertz reflection of periodic arrays of subwavelength metallic rectangles. *Applied Physics Letters*, **2008**, 92, 121103	3.4	35
183	Far-infrared optical and dielectric response of ZnS measured by terahertz time-domain spectroscopy. *Applied Physics Letters*, **2005**, 86, 131111	3.4	35
182	Magnetic and magnetothermal tunabilities of subwavelength-hole arrays in a semiconductor sheet. *Optics Letters*, **2009**, 34, 1465-7	3	34
181	Generation of terahertz vector beams using dielectric metasurfaces via spin-decoupled phase control. *Nanophotonics*, **2020**, 9, 3393-3402	6.3	34
180	Tailoring the plasmon-induced transparency resonances in terahertz metamaterials. *Optics Express*, **2017**, 25, 19844-19855	3.3	33
179	Terahertz metasurfaces with a high refractive index enhanced by the strong nearest neighbor coupling. *Optics Express*, **2015**, 23, 29222-30	3.3	33
178	Dielectric response of soft mode in ferroelectric SrTiO3. *Applied Physics Letters*, **2007**, 90, 031104	3.4	33
177	Polarization and Frequency Multiplexed Terahertz Meta-Holography. *Advanced Optical Materials*, **2017**, 5, 1700277	8.1	33
176	Terahertz Dielectric Properties of MgO Nanocrystals. *Journal of Physical Chemistry C*, **2008**, 112, 17512-17516	3.8	32
175	Broadband terahertz rotator with an all-dielectric metasurface. *Photonics Research*, **2018**, 6, 1056	6	32
174	Dynamic mode coupling in terahertz metamaterials. *Scientific Reports*, **2015**, 5, 10823	4.9	31
173	Regular, period-doubling, quasi-periodic, and chaotic behavior in a self-mode-locked Ti:sapphire laser. *Optics Communications*, **1999**, 162, 71-74	2	31
172	A New Ba0.6 Sr0.4 TiO3 -Silicon Hybrid Metamaterial Device in Terahertz Regime. *Small*, **2016**, 12, 2610-5	11	31
171	Pancharatnam-Berry Phase Induced Spin-Selective Transmission in Herringbone Dielectric Metamaterials. *Advanced Materials*, **2016**, 28, 9567-9572	24	30

170	Pulse splitting in a self-mode-locked Ti:sapphire laser. *Optics Communications*, **1997**, 137, 89-92	2	30
169	High-Q lattice mode matched structural resonances in terahertz metasurfaces. *Applied Physics Letters*, **2016**, 109, 021108	3.4	30
168	Excite Spoof Surface Plasmons with Tailored Wavefronts Using High-Efficiency Terahertz Metasurfaces. *Advanced Science*, **2020**, 7, 2000982	13.6	29
167	Free-Standing Metasurfaces for High-Efficiency Transmitarrays for Controlling Terahertz Waves. *Advanced Optical Materials*, **2016**, 4, 384-390	8.1	29
166	Coherent Control of Optical Spin-to-Orbital Angular Momentum Conversion in Metasurface. *Advanced Materials*, **2017**, 29, 1604252	24	28
165	Anomalous terahertz transmission in bow-tie plasmonic antenna apertures. *Optics Letters*, **2011**, 36, 2901-3	3	28
164	The anti-icing and mechanical properties of a superhydrophobic coating on asphalt pavement. *Construction and Building Materials*, **2018**, 190, 83-94	6.7	27
163	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	2	26
162	Near Field Coupling in Passive and Active Terahertz Metamaterial Devices. *IEEE Transactions on Terahertz Science and Technology*, **2013**, 3, 783-790	3.4	26
161	High-sensitivity and label-free identification of a transgenic genome using a terahertz meta-biosensor. *Optics Express*, **2018**, 26, 31589-31598	3.3	26
160	Broadband Terahertz Wave Deflection Based on C-shape Complex Metamaterials with Phase Discontinuities (Adv. Mater. 33/2013). *Advanced Materials*, **2013**, 25, 4566-4566	24	25
159	Terahertz transmission in subwavelength holes of asymmetric metal-dielectric interfaces: The effect of a dielectric layer. *Journal of Applied Physics*, **2008**, 103, 033108	2.5	25
158	Growth and laser properties of Nd:Ca4YO(BO3)3 crystal. *Optics Communications*, **1999**, 160, 273-276	2	25
157	Tailoring the Electromagnetically Induced Transparency and Absorbance in Coupled Fano–Lorentzian Metasurfaces: A Classical Analog of a Four-Level Tripod Quantum System. *Advanced Optical Materials*, **2016**, 4, 1179-1185	8.1	24
156	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	3.4	24
155	Bandwidth broadening of a linear polarization converter by near-field metasurface coupling. *Scientific Reports*, **2017**, 7, 6817	4.9	24
154	Membrane metamaterial resonators with a sharp resonance: A comprehensive study towards practical terahertz filters and sensors. *AIP Advances*, **2012**, 2, 022109	1.5	24
153	A Broadband THz-TDS System Based on DSTMS Emitter and LTG InGaAs/InAlAs Photoconductive Antenna Detector. *Scientific Reports*, **2016**, 6, 26949	4.9	23

152	Terahertz Dielectric Properties and Low-Frequency Phonon Resonances of ZnO Nanostructures. *Journal of Physical Chemistry C*, **2007**, 111, 13000-13006	3.8	23
151	Far-Infrared Characteristics of Bulk and Nanostructured Wide-Bandgap Semiconductors. *Journal of Nanoelectronics and Optoelectronics*, **2007**, 2, 222-233	1.3	23
150	Resonance tuning due to Coulomb interaction in strong near-field coupled metamaterials. *Journal of Applied Physics*, **2015**, 118, 023104	2.5	22
149	Mapping the near-field propagation of surface plasmons on terahertz metasurfaces. *Applied Physics Letters*, **2015**, 107, 021105	3.4	21
148	Polarization-controlled asymmetric excitation of surface plasmons. *Optica*, **2017**, 4, 1044	8.6	21
147	Temperature-Controlled Optical Activity and Negative Refractive Index. *Advanced Functional Materials*, **2021**, 31, 2010249	15.6	21
146	Observation of Hourglass Nodal Lines in Photonics. *Physical Review Letters*, **2019**, 122, 103903	7.4	20
145	Localized Plasmonic Properties of Subwavelength Geometries Resonating at Terahertz Frequencies. *IEEE Journal of Selected Topics in Quantum Electronics*, **2011**, 17, 119-129	3.8	20
144	Switchable Chiral Mirrors. *Advanced Optical Materials*, **2020**, 8, 2000247	8.1	19
143	Dual-band dichroic asymmetric transmission of linearly polarized waves in terahertz chiral metamaterial. *Nanophotonics*, **2020**, 9, 3235-3242	6.3	19
142	Active control of polarization-dependent near-field coupling in hybrid metasurfaces. *Applied Physics Letters*, **2018**, 113, 061111	3.4	19
141	Tailoring terahertz plasmons with silver nanorod arrays. *Scientific Reports*, **2013**, 3,	4.9	19
140	Active Control of Asymmetric Fano Resonances with Graphene–Silicon-Integrated Terahertz Metamaterials. *Advanced Materials Technologies*, **2020**, 5, 1900840	6.8	19
139	. *IEEE Photonics Journal*, **2018**, 10, 1-9	1.8	19
138	Terahertz polarization converter based on all-dielectric high birefringence metamaterial with elliptical air holes. *Optics Communications*, **2018**, 416, 130-136	2	18
137	Broadband Terahertz Transparency in a Switchable Metasurface. *IEEE Photonics Journal*, **2015**, 7, 1-8	1.8	18
136	Broadband Terahertz Pulses Generated by a Compact Femtosecond Photonic Crystal Fiber Amplifier. *IEEE Photonics Technology Letters*, **2010**, 22, 814-816	2.2	18
135	Terahertz localized plasmonic properties of subwavelength ring and coaxial geometries. *Applied Physics Letters*, **2009**, 94, 181106	3.4	18

134	Self-Q switched self-mode-locked Ti: sapphire laser. *Optics Communications*, **1995**, 119, 113-116	2	18
133	Broadband terahertz metamaterial absorber with two interlaced fishnet layers. *AIP Advances*, **2018**, 8, 025020	1.5	17
132	Surface plasmon enhanced terahertz spectroscopic distinguishing between isotopes. *Chemical Physics Letters*, **2009**, 475, 132-134	2.5	17
131	Tailoring mode interference in plasmon-induced transparency metamaterials. *Journal Physics D: Applied Physics*, **2018**, 51, 174005	3	16
130	Effective properties of terahertz double split-ring resonators at oblique incidence. *Journal of the Optical Society of America B: Optical Physics*, **2009**, 26, B143	1.7	16
129	High-performance and compact broadband terahertz plasmonic waveguide intersection. *Nanophotonics*, **2019**, 8, 1811-1819	6.3	15
128	Dual-Functional Terahertz Waveplate Based on All-Dielectric Metamaterial. *Physical Review Applied*, **2020**, 13,	4.3	15
127	Terahertz electric field modulated mode coupling in graphene-metal hybrid metamaterials. *Optics Express*, **2019**, 27, 2317-2326	3.3	15
126	Efficient Metacoupler for Complex Surface Plasmon Launching. *Advanced Optical Materials*, **2018**, 6, 1701117	8.1	14
125	Terahertz surface plasmon polariton waveguiding with periodic metallic cylinders. *Optics Express*, **2017**, 25, 14397-14405	3.3	14
124	Role of mode coupling on transmission properties of subwavelength composite hole-patch structures. *Applied Physics Letters*, **2010**, 96, 251102	3.4	14
123	Effect of random multiple light scattering on the laser action in a binary-dye mixture. *Optics Letters*, **1995**, 20, 1023	3	14
122	Near-field surface plasmons on quasicrystal metasurfaces. *Scientific Reports*, **2016**, 6, 26	4.9	14
121	Broadband terahertz wave generation from an epsilon-near-zero material. *Light: Science and Applications*, **2021**, 10, 11	16.7	14
120	Plasmonic Analog of Electromagnetically Induced Transparency in Stereo Metamaterials. *IEEE Journal of Selected Topics in Quantum Electronics*, **2017**, 23, 1-7	3.8	13
119	Collective coherence in nearest neighbor coupled metamaterials: A metasurface ruler equation. *Journal of Applied Physics*, **2015**, 118, 163102	2.5	13
118	Large dynamic resonance transition between surface plasmon and localized surface plasmon modes. *Optics Express*, **2010**, 18, 12482-8	3.3	13
117	Transmission field enhancement of terahertz pulses in plasmonic, rectangular coaxial geometries. *Optics Letters*, **2010**, 35, 904-6	3	13

116	Nonlinear THz-Nano Metasurfaces. *Advanced Functional Materials*, **2021**, 31, 2100463	15.6	13
115	Spoof surface plasmon polaritons in terahertz transmission through subwavelength hole arrays analyzed by coupled oscillator model. *Scientific Reports*, **2015**, 5, 16440	4.9	12
114	Equivalent circuit analysis of terahertz metamaterial f ilters (Invited Paper). *Chinese Optics Letters*, **2011**, 9, 110012-110016	2.2	12
113	Ultra-broadband microwave metamaterial absorber with tetramethylurea inclusion. *Optics Express*, **2019**, 27, 25595-25602	3.3	12
112	Coherent Perfect Diffraction in Metagratings. *Advanced Materials*, **2020**, 32, e2002341	24	12
111	Experimental study on the transition of plasmonic resonance modes in double-ring dimers by conductive junctions in the terahertz regime. *Optics Express*, **2016**, 24, 27415-27422	3.3	12
110	Monitoring cis-to-trans isomerization of azobenzene using terahertz time-domain spectroscopy. *Physical Chemistry Chemical Physics*, **2018**, 20, 27205-27213	3.6	12
109	Aperiodic-metamaterial-based absorber. *APL Materials*, **2017**, 5, 096107	5.7	11
108	All-Dielectric Meta-lens Designed for Photoconductive Terahertz Antennas. *IEEE Photonics Journal*, **2017**, 9, 1-9	1.8	11
107	Nonradiative and Radiative Resonances in Coupled Metamolecules. *Advanced Optical Materials*, **2016**, 4, 252-258	8.1	11
106	Stretchable Photonic Fermi Arcs in Twisted Magnetized Plasma. *Laser and Photonics Reviews*, **2018**, 12, 1700226	8.3	11
105	Anomalous Wave Propagation in Topological Transition Metasurfaces. *Advanced Optical Materials*, **2019**, 7, 1801483	8.1	10
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