Xiangang Luo

List of Publications by Citations

343 papers	13,167 citations	62 h-index	102 g-index
379 ext. papers	15,632 ext. citations	5.2 avg, IF	7.1 L-index

#	Paper	IF	Citations
343	Plasmonic nanoresonators for high-resolution colour filtering and spectral imaging. *Nature Communications*, **2010**, 1, 59	17.4	570
342	Surface plasmon resonant interference nanolithography technique. *Applied Physics Letters*, **2004**, 84, 4780-4782	3.4	444
341	Catenary optics for achromatic generation of perfect optical angular momentum. *Science Advances*, **2015**, 1, e1500396	14.3	422
340	Multicolor 3D meta-holography by broadband plasmonic modulation. *Science Advances*, **2016**, 2, e1601102	14.3	370
339	Efficiency enhancement of organic solar cells using transparent plasmonic Ag nanowire electrodes. *Advanced Materials*, **2010**, 22, 4378-83	24	313
338	Beam manipulating by metallic nano-slits with variant widths. *Optics Express*, **2005**, 13, 6815-20	3.3	304
337	Principles of electromagnetic waves in metasurfaces. *Science China: Physics, Mechanics and Astronomy*, **2015**, 58, 1	3.6	261
336	Engineering the dispersion of metamaterial surface for broadband infrared absorption. *Optics Letters*, **2012**, 37, 2133-5	3	217
335	Design and fabrication of broadband ultralow reflectivity black Si surfaces by laser micro/nanoprocessing. *Light: Science and Applications*, **2014**, 3, e185-e185	16.7	208
334	Design principles for infrared wide-angle perfect absorber based on plasmonic structure. *Optics Express*, **2011**, 19, 17413-20	3.3	178
333	Ultrathin broadband nearly perfect absorber with symmetrical coherent illumination. *Optics Express* , **2012**, 20, 2246-54	3.3	176
332	All-Dielectric Metasurfaces for Simultaneous Giant Circular Asymmetric Transmission and Wavefront Shaping Based on Asymmetric Photonic Spin-Orbit Interactions. *Advanced Functional Materials*, **2017**, 27, 1704295	15.6	174
331	Realizing near-perfect absorption at visible frequencies. *Optics Express*, **2009**, 17, 11039-44	3.3	160
330	Ultrabroadband superoscillatory lens composed by plasmonic metasurfaces for subdiffraction light focusing. *Laser and Photonics Reviews*, **2015**, 9, 713-719	8.3	159
329	Merging Geometric Phase and Plasmon Retardation Phase in Continuously Shaped Metasurfaces for Arbitrary Orbital Angular Momentum Generation. *ACS Photonics*, **2016**, 3, 2022-2029	6.3	156
328	Subwavelength photolithography based on surface-plasmon polariton resonance. *Optics Express*, **2004**, 12, 3055-65	3.3	147
327	A planar chiral meta-surface for optical vortex generation and focusing. *Scientific Reports*, **2015**, 5, 10365	4.9	142

326	Dispersion management of anisotropic metamirror for super-octave bandwidth polarization conversion. *Scientific Reports*, **2015**, 5, 8434	4.9	132
325	Anisotropic meta-mirror for achromatic electromagnetic polarization manipulation. *Applied Physics Letters*, **2013**, 102, 131906	3.4	132
324	A Low-RCS and High-Gain Partially Reflecting Surface Antenna. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 945-949	4.9	131
323	Surface plasmon polariton propagation and combination in Y-shaped metallic channels. *Optics Express*, **2005**, 13, 10795-800	3.3	131
322	Multi-band circular polarizer using planar spiral metamaterial structure. *Optics Express*, **2012**, 20, 16050-8	3.3	129
321	Shaping a Subwavelength Needle with Ultra-long Focal Length by Focusing Azimuthally Polarized Light. *Scientific Reports*, **2015**, 5, 9977	4.9	124
320	Spatially and spectrally engineered spin-orbit interaction for achromatic virtual shaping. *Scientific Reports*, **2015**, 5, 9822	4.9	118
319	Reconfigurable Metasurface for Multifunctional Control of Electromagnetic Waves. *Advanced Optical Materials*, **2017**, 5, 1700485	8.1	117
318	Enhancing aspect profile of half-pitch 32 nm and 22 nm lithography with plasmonic cavity lens. *Applied Physics Letters*, **2015**, 106, 093110	3.4	111
317	Subwavelength Artificial Structures: Opening a New Era for Engineering Optics. *Advanced Materials* , **2019**, 31, e1804680	24	110
316	Directional excitation of surface plasmons with subwavelength slits. *Applied Physics Letters*, **2008**, 92, 101501	3.4	109
315	Orbital Angular Momentum Multiplexing and Demultiplexing by a Single Metasurface. *Advanced Optical Materials*, **2017**, 5, 1600502	8.1	104
314	A plasmonic splitter based on slot cavity. *Optics Express*, **2011**, 19, 13831-8	3.3	103
313	Plasmonic Metasurfaces for Simultaneous Thermal Infrared Invisibility and Holographic Illusion. *Advanced Functional Materials*, **2018**, 28, 1706673	15.6	101
312	Engineering the phase front of light with phase-change material based planar lenses. *Scientific Reports*, **2015**, 5, 8660	4.9	100
311	Subwavelength Optical Engineering with Metasurface Waves. *Advanced Optical Materials*, **2018**, 6, 1701201	8.1	100
310	A refractory metamaterial absorber for ultra-broadband, omnidirectional and polarization-independent absorption in the UV-NIR spectrum. *Nanoscale*, **2018**, 10, 8298-8303	7.7	99
309	A Beam Steering Horn Antenna Using Active Frequency Selective Surface. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 6218-6223	4.9	95

308	High-Efficiency and Wide-Angle Beam Steering Based on Catenary Optical Fields in Ultrathin Metalens. *Advanced Optical Materials*, **2018**, 6, 1800592	8.1	92
307	Mixed plasmons coupling for expanding the bandwidth of near-perfect absorption at visible frequencies. *Optics Express*, **2009**, 17, 16745-9	3.3	91
306	Plasmonic beam deflector. *Optics Express*, **2008**, 16, 4753-9	3.3	90
305	Multispectral optical metasurfaces enabled by achromatic phase transition. *Scientific Reports*, **2015**, 5, 15781	4.9	88
304	An Active Metamaterial for Polarization Manipulating. *Advanced Optical Materials*, **2014**, 2, 945-949	8.1	84
303	Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas. *Advanced Science*, **2019**, 6, 1801691	13.6	82
302	Tunable near-infrared plasmonic perfect absorber based on phase-change materials. *Photonics Research*, **2015**, 3, 54	6	82
301	Using Reconfigurable Transmitarray to Achieve Beam-Steering and Polarization Manipulation Applications. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 4801-4810	4.9	82
300	Plasmonic Metasurfaces for Switchable Photonic Spin-Orbit Interactions Based on Phase Change Materials. *Advanced Science*, **2018**, 5, 1800835	13.6	81
299	Dynamical beam manipulation based on 2-bit digitally-controlled coding metasurface. *Scientific Reports*, **2017**, 7, 42302	4.9	80
298	Achromatic flat optical components via compensation between structure and material dispersions. *Scientific Reports*, **2016**, 6, 19885	4.9	80
297	Revisitation of Extraordinary Young Interference: from Catenary Optical Fields to Spin–Orbit Interaction in Metasurfaces. *ACS Photonics*, **2018**, 5, 3198-3204	6.3	79
296	Engineering heavily doped silicon for broadband absorber in the terahertz regime. *Optics Express*, **2012**, 20, 25513-9	3.3	79
295	Far-field imaging device: planar hyperlens with magnification using multi-layer metamaterial. *Optics Express*, **2008**, 16, 21142-8	3.3	79
294	Subwavelength imaging by metallic slab lens with nanoslits. *Applied Physics Letters*, **2007**, 91, 201501	3.4	75
293	Reconfigurable Metasurface Cloak for Dynamical Electromagnetic Illusions. *ACS Photonics*, **2018**, 5, 1718–1725	6.3	74
292	Catenary nanostructures as compact Bessel beam generators. *Scientific Reports*, **2016**, 6, 20524	4.9	70
291	Electromagnetically Induced Transparency-Like Transmission in a Compact Side-Coupled T-Shaped Resonator. *Journal of Lightwave Technology*, **2014**, 32, 1701-1707	4	69

290	Broadband Generation of Photonic Spin-Controlled Arbitrary Accelerating Light Beams in the Visible. *Nano Letters*, **2019**, 19, 1158-1165	11.5	69
289	Extraordinary optical fields in nanostructures: from sub-diffraction-limited optics to sensing and energy conversion. *Chemical Society Reviews*, **2019**, 48, 2458-2494	58.5	67
288	Nanoapertures with ordered rotations: symmetry transformation and wide-angle flat lensing. *Optics Express*, **2017**, 25, 31471-31477	3.3	65
287	Generation and detection of orbital angular momentum via metasurface. *Scientific Reports*, **2016**, 6, 24286	4.9	64
286	Merging plasmonics and metamaterials by two-dimensional subwavelength structures. *Journal of Materials Chemistry C*, **2017**, 5, 4361-4378	7.1	63
285	Fabrication of anisotropically arrayed nano-slots metasurfaces using reflective plasmonic lithography. *Nanoscale*, **2015**, 7, 18805-12	7.7	63
284	Electromagnetically induced transparency (EIT)-like transmission in side-coupled complementary split-ring resonators. *Optics Express*, **2012**, 20, 24348-55	3.3	63
283	A Frequency Reconfigurable Directive Antenna With Wideband Low-RCS Property. *IEEE Transactions on Antennas and Propagation*, **2016**, 64, 1173-1178	4.9	62
282	Spin-decoupled metasurface for simultaneous detection of spin and orbital angular momenta via momentum transformation. *Light: Science and Applications*, **2021**, 10, 63	16.7	61
281	Broadband anomalous reflection based on gradient low-Q meta-surface. *AIP Advances*, **2013**, 3, 052136	1.5	60
280	Subwavelength interference of light on structured surfaces. *Advances in Optics and Photonics*, **2018**, 10, 757	16.7	60
279	Roadmap on superoscillations. *Journal of Optics (United Kingdom)*, **2019**, 21, 053002	1.7	59
278	A Dual Circularly Polarized Horn Antenna in Ku-Band Based on Chiral Metamaterial. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 2307-2311	4.9	59
277	Directional coupler and nonlinear Mach-Zehnder interferometer based on metal-insulator-metal plasmonic waveguide. *Optics Express*, **2010**, 18, 21030-7	3.3	59
276	Engineering Optics 2.0: A Revolution in Optical Materials, Devices, and Systems. *ACS Photonics*, **2018**, 5, 4724-4738	6.3	58
275	Squeezing Bulk Plasmon Polaritons through Hyperbolic Metamaterials for Large Area Deep Subwavelength Interference Lithography. *Advanced Optical Materials*, **2015**, 3, 1248-1256	8.1	57
274	Subwavelength imaging with anisotropic structure comprising alternately layered metal and dielectric films. *Optics Express*, **2008**, 16, 4217-27	3.3	57
273	Actively Tunable Structural Color Rendering with Tensile Substrate. *Advanced Optical Materials*, **2017**, 5, 1600829	8.1	54

272	Dispersion controlling meta-lens at visible frequency. *Optics Express*, **2017**, 25, 21419-21427	3.3	54
271	Deep sub-wavelength imaging lithography by a reflective plasmonic slab. *Optics Express*, **2013**, 21, 20683-91	3.3	54
270	Sub-diffraction-limited interference photolithography with metamaterials. *Optics Express*, **2008**, 16, 13579-84	3.3	54
269	Theory of microscopic meta-surface waves based on catenary optical fields and dispersion. *Optics Express*, **2018**, 26, 19555-19562	3.3	52
268	Multi-Channel Vortex Beam Generation by Simultaneous Amplitude and Phase Modulation with Two-Dimensional Metamaterial. *Advanced Materials Technologies*, **2017**, 2, 1600201	6.8	52
267	Dual-band asymmetry chiral metamaterial based on planar spiral structure. *Applied Physics Letters*, **2012**, 101, 161901	3.4	51
266	Multistate Switching of Photonic Angular Momentum Coupling in Phase-Change Metadevices. *Advanced Materials*, **2020**, 32, e1908194	24	51
265	Combining FSS and EBG Surfaces for High-Efficiency Transmission and Low-Scattering Properties. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 1628-1632	4.9	50
264	Achromatic Broadband Super-Resolution Imaging by Super-Oscillatory Metasurface. *Laser and Photonics Reviews*, **2018**, 12, 1800064	8.3	50
263	Single-layer circular polarizer using metamaterial and its application in antenna. *Microwave and Optical Technology Letters*, **2012**, 54, 1770-1774	1.2	50
262	Strong enhancement of light absorption and highly directive thermal emission in graphene. *Optics Express*, **2013**, 21, 11618-27	3.3	49
261	Wideband Radar Cross-Section Reduction of a Stacked Patch Array Antenna Using Metasurface. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 1369-1372	3.8	48
260	Color display and encryption with a plasmonic polarizing metamirror. *Nanophotonics*, **2018**, 7, 323-331	6.3	48
259	Investigation of Fano resonance in planar metamaterial with perturbed periodicity. *Optics Express*, **2013**, 21, 992-1001	3.3	48
258	Colorful Metahologram with Independently Controlled Images in Transmission and Reflection Spaces. *Advanced Functional Materials*, **2019**, 29, 1809145	15.6	47
257	Surface Plasmon Polaritons and Its Applications. *IEEE Photonics Journal*, **2012**, 4, 590-595	1.8	47
256	Simultaneous Full-Color Printing and Holography Enabled by Centimeter-Scale Plasmonic Metasurfaces. *Advanced Science*, **2020**, 7, 1903156	13.6	46
255	Dual-band vortex beam generation with different OAM modes using single-layer metasurface. *Optics Express*, **2019**, 27, 34-44	3.3	45

254	All-metallic wide-angle metasurfaces for multifunctional polarization manipulation. *Opto-Electronic Advances*, **2019**, 2, 18002301-18002306	6.5	45
253	Off-axis multi-wavelength dispersion controlling metalens for multi-color imaging. *Opto-Electronic Advances*, **2020**, 3, 19000501-19000507	6.5	44
252	Super-resolution optical telescopes with local light diffraction shrinkage. *Scientific Reports*, **2015**, 5, 18485	4.9	43
251	Multi-spectral Metasurface for Different Functional Control of Reflection Waves. *Scientific Reports*, **2016**, 6, 23291	4.9	42
250	Ultra-Broadband Terahertz Absorbers Based on 4 □4 Cascaded Metal-Dielectric Pairs. *Plasmonics*, **2014**, 9, 951-957	2.4	42
249	Dual-Wavelength Carpet Cloak Using Ultrathin Metasurface. *Advanced Optical Materials*, **2018**, 6, 1800778	8.1	41
248	Batch Fabrication of Metasurface Holograms Enabled by Plasmonic Cavity Lithography. *Advanced Optical Materials*, **2017**, 5, 1700429	8.1	41
247	Perfect Absorption of Light by Coherently Induced Plasmon Hybridization in Ultrathin Metamaterial Film. *Plasmonics*, **2012**, 7, 733-738	2.4	41
246	Flexible and Transparent Microwave□Infrared Bistealth Structure. *Advanced Materials Technologies*, **2019**, 4, 1900063	6.8	39
245	Ultrahigh-capacity dynamic holographic displays via anisotropic nanoholes. *Nanoscale*, **2017**, 9, 1409-1415	7.7	38
244	Combining the absorptive and radiative loss in metasurfaces for multi-spectral shaping of the electromagnetic scattering. *Scientific Reports*, **2016**, 6, 21462	4.9	37
243	Truncated spherical voids for nearly omnidirectional optical absorption. *Optics Express*, **2011**, 19, 20642-9	3.3	37
242	Metasurface-based broadband hologram with high tolerance to fabrication errors. *Scientific Reports* , **2016**, 6, 19856	4.9	37
241	Quasi-continuous metasurface for ultra-broadband and polarization-controlled electromagnetic beam deflection. *Scientific Reports*, **2015**, 5, 17733	4.9	36
240	Nanofocusing beyond the near-field diffraction limit via plasmonic Fano resonance. *Nanoscale*, **2016**, 8, 1635-41	7.7	36
239	Conversion of broadband energy to narrowband emission through double-sided metamaterials. *Optics Express*, **2013**, 21, 32207-16	3.3	36
238	Broadband metamaterial as an □invisible□radiative cooling coat. *Optics Communications*, **2018**, 407, 204-207	2.7	35
237	Super-resolution imaging with a Bessel lens realized by a geometric metasurface. *Optics Express*, **2017**, 25, 13933-13943	3.3	35

236	Nanofocusing of circularly polarized Bessel-type plasmon polaritons with hyperbolic metamaterials. *Materials Horizons*, **2017**, 4, 290-296	14.4	34
235	A Frequency and Pattern Reconfigurable Antenna Array Based on Liquid Crystal Technology. *IEEE Photonics Journal*, **2017**, 9, 1-7	1.8	34
234	Chip-Integrated Geometric Metasurface As a Novel Platform for Directional Coupling and Polarization Sorting by Spin□Orbit Interaction. *IEEE Journal of Selected Topics in Quantum Electronics*, **2018**, 24, 1-7	3.8	34
233	1-Bit Reconfigurable Circularly Polarized Transmitarray in X-Band. *IEEE Antennas and Wireless Propagation Letters*, **2016**, 15, 448-451	3.8	34
232	Broadband and Tunable Radar Absorber Based on Graphene Capacitor Integrated With Resistive Frequency-Selective Surface. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 2446-2450	4.9	34
231	A Dual Linearly Polarized Transmitarray Element With 1-Bit Phase Resolution in X-Band. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 167-170	3.8	33
230	Ultra-broadband large-scale infrared perfect absorber with optical transparency. *Applied Physics Express*, **2017**, 10, 112601	2.4	33
229	Active microwave absorber with the dual-ability of dividable modulation in absorbing intensity and frequency. *AIP Advances*, **2013**, 3, 022114	1.5	33
228	Quasi-Talbot effect of orbital angular momentum beams for generation of optical vortex arrays by multiplexing metasurface design. *Nanoscale*, **2018**, 10, 666-671	7.7	33
227	Going far beyond the near-field diffraction limit via plasmonic cavity lens with high spatial frequency spectrum off-axis illumination. *Scientific Reports*, **2015**, 5, 15320	4.9	32
226	Hierarchical metamaterials for laser-infrared-microwave compatible camouflage. *Optics Express*, **2020**, 28, 9445-9453	3.3	32
225	Young's interference of double metallic nanoslit with different widths. *Optics Express*, **2007**, 15, 11321-7	3.3	31
224	Broadband Functional Metasurfaces: Achieving Nonlinear Phase Generation toward Achromatic Surface Cloaking and Lensing. *Advanced Optical Materials*, **2019**, 7, 1801480	8.1	31
223	Meta-Chirality: Fundamentals, Construction and Applications. *Nanomaterials*, **2017**, 7,	5.4	30
222	Low-Loss Circularly Polarized Transmitarray for Beam Steering Application. *IEEE Transactions on Antennas and Propagation*, **2016**, 64, 4471-4476	4.9	30
221	Extreme-Angle Silicon Infrared Optics Enabled by Streamlined Surfaces. *Advanced Materials*, **2021**, 33, e2008157	24	30
220	Polarization-controlled unidirectional excitation of surface plasmon polaritons utilizing catenary apertures. *Nanoscale*, **2019**, 11, 3952-3957	7.7	29
219	Dynamical manipulation of electromagnetic polarization using anisotropic meta-mirror. *Scientific Reports*, **2016**, 6, 30771	4.9	29

218	Spoof Plasmonic Metasurfaces with Catenary Dispersion for Two-Dimensional Wide-Angle Focusing and Imaging. *IScience*, **2019**, 21, 145-156	6.1	29
217	Metamaterial Superstrate and Electromagnetic Band-Gap Substrate for High Directive Antenna. *Journal of Infrared, Millimeter and Terahertz Waves*, **2008**, 29, 493-498		29
216	Sub-100-nm Photolithography Based on Plasmon Resonance. *Japanese Journal of Applied Physics*, **2004**, 43, 4017-4021	1.4	29
215	Generalized Pancharatnam-Berry Phase in Rotationally Symmetric Meta-Atoms. *Physical Review Letters*, **2021**, 126, 183902	7.4	29
214	Sub-diffraction demagnification imaging lithography by hyperlens with plasmonic reflector layer. *RSC Advances*, **2016**, 6, 95973-95978	3.7	29
213	Plasmonic Structures, Materials and Lenses for Optical Lithography beyond the Diffraction Limit: A Review. *Micromachines*, **2016**, 7,	3.3	28
212	Asymmetric Transmission and Wavefront Manipulation toward Dual-Frequency Meta-Holograms. *ACS Photonics*, **2019**, 6, 1541-1546	6.3	27
211	Polarization-Controlled Broadband Accelerating Beams Generation by Single Catenary-Shaped Metasurface. *Advanced Optical Materials*, **2019**, 7, 1900503	8.1	27
210	Staked Graphene for Tunable Terahertz Absorber with Customized Bandwidth. *Plasmonics*, **2016**, 11, 1201-1206	2.4	26
209	Large area deep subwavelength interference lithography with a 35 nm half-period based on bulk plasmon polaritons. *Optical Materials Express*, **2018**, 8, 199	2.6	26
208	Dual-band wide-angle metamaterial perfect absorber based on the combination of localized surface plasmon resonance and Helmholtz resonance. *Scientific Reports*, **2017**, 7, 5652	4.9	26
207	Dynamic Control of the Extraordinary Optical Scattering in Semicontinuous 2D Metamaterials. *Advanced Optical Materials*, **2016**, 4, 659-663	8.1	25
206	Characteristics of Plasmonic Filters with a Notch Located Along Rectangular Resonators. *Plasmonics*, **2013**, 8, 167-171	2.4	25
205	Structured lens formed by a 2D square hole array in a metallic film. *Optics Letters*, **2008**, 33, 753-5	3	25
204	Midinfrared real-time polarization imaging with all-dielectric metasurfaces. *Applied Physics Letters*, **2019**, 114, 161904	3.4	24
203	Taming the Electromagnetic Boundaries via Metasurfaces: From Theory and Fabrication to Functional Devices. *International Journal of Antennas and Propagation*, **2015**, 2015, 1-80	1.2	24
202	Heat Resisting Metallic Meta-Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field. *Advanced Materials Technologies*, **2019**, 4, 1800612	6.8	24
201	Catenary Optics **2019**,		24

200	[INVITED] Coherent perfect absorption of electromagnetic wave in subwavelength structures. *Optics and Laser Technology*, **2018**, 101, 499-506	4.2	23
199	Catenary Functions Meet Electromagnetic Waves: Opportunities and Promises. *Advanced Optical Materials*, **2020**, 8, 2001194	8.1	23
198	Broadband Polarization-Insensitive Tunable Absorber Using Active Frequency Selective Surface. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 982-986	3.8	21
197	Controlling Beamwidth of Antenna Using Frequency Selective Surface Superstrate. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 213-216	3.8	21
196	Grooves-Assisted Surface Wave Modulation in Two-Slot Array for Mutual Coupling Reduction and Gain Enhancement. *IEEE Antennas and Wireless Propagation Letters*, **2009**, 8, 912-915	3.8	21
195	Plasmonic lithography for the fabrication of surface nanostructures with a feature size down to 9 nm. *Nanoscale*, **2020**, 12, 2415-2421	7.7	21
194	Plasmonic metalens for nanofabrication. *National Science Review*, **2018**, 5, 137-138	10.8	20
193	Dynamic manipulation of polarization states using anisotropic meta-surface. *Optics Communications* , **2014**, 319, 14-16	2	20
192	Super-Resolution Long-Depth Focusing by Radially Polarized Light Irradiation Through Plasmonic Lens in Optical Meso-field. *Plasmonics*, **2014**, 9, 55-60	2.4	20
191	A High-Gain Antenna Consisting of Two Slot Elements With a Space Larger Than a Wavelength. *IEEE Antennas and Wireless Propagation Letters*, **2010**, 9, 159-162	3.8	20
190	Broadband low-scattering metasurface using a combination of phase cancellation and absorption mechanisms. *Optics Express*, **2019**, 27, 23368-23377	3.3	20
189	Methodologies for On-Demand Dispersion Engineering of Waves in Metasurfaces. *Advanced Optical Materials*, **2019**, 7, 1801376	8.1	19
188	Polarization-independent broadband meta-holograms via polarization-dependent nanoholes. *Nanoscale*, **2018**, 10, 9304-9310	7.7	19
187	Experimental demonstration of a continuous varifocal metalens with large zoom range and high imaging resolution. *Applied Physics Letters*, **2019**, 115, 163103	3.4	19
186	Subwavelength Demagnification Imaging and Lithography Using Hyperlens with a Plasmonic Reflector Layer. *Plasmonics*, **2013**, 8, 1065-1072	2.4	19
185	Broadband and Tunable RCS Reduction using High-order Reflections and Salisbury-type Absorption Mechanisms. *Scientific Reports*, **2019**, 9, 9036	4.9	18
184	Far field observation and theoretical analyses of light directional imaging in metamaterial with stacked metal-dielectric films. *Applied Physics Letters*, **2013**, 103, 031911	3.4	18
183	Wavelength-selective orbital angular momentum generation based on a plasmonic metasurface. *Nanoscale*, **2016**, 8, 12267-71	7.7	18

182	Fano resonance induced by mode coupling in all-dielectric nanorod array. *Applied Physics Express*, **2014**, 7, 032002	2.4	17
181	Planar binary-phase lens for super-oscillatory optical hollow needles. *Scientific Reports*, **2017**, 7, 4697	4.9	17
180	Generation of Polarization-Sensitive Modulated Optical Vortices with All-Dielectric Metasurfaces. *ACS Photonics*, **2019**, 6, 628-633	6.3	17
179	Near-field collimation of light carrying orbital angular momentum with bull's-eye-assisted plasmonic coaxial waveguides. *Scientific Reports*, **2015**, 5, 12108	4.9	16
178	Circular dichroism of graphene-based absorber in static magnetic field. *Journal of Applied Physics*, **2014**, 115, 154312	2.5	16
177	An Amplifying Tunable Transmitarray Element. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 702-705	3.8	16
176	Pushing the plasmonic imaging nanolithography to nano-manufacturing. *Optics Communications*, **2017**, 404, 62-72	2	16
175	Surface-plasmon polariton interference nanolithography based on end-fire coupling. *Microelectronic Engineering*, **2007**, 84, 1037-1040	2.5	16
174	Inverse design of broadband metasurface absorber based on convolutional autoencoder network and inverse design network. *Journal Physics D: Applied Physics*, **2020**, 53, 464002	3	16
173	Tight focusing of radially and azimuthally polarized light with plasmonic metalens. *Optics Communications*, **2015**, 356, 445-450	2	15
172	Application of Bull's eye corrugated grooves integrated with artificially soft surfaces structure in the patch antenna to improve radiation performance. *Microwave and Optical Technology Letters*, **2009**, 51, 1676-1679	1.2	15
171	Cascaded metasurface for simultaneous control of transmission and reflection. *Optics Express*, **2019** , 27, 9061-9070	3.3	15
170	Broadband and high-efficiency accelerating beam generation by dielectric catenary metasurfaces. *Nanophotonics*, **2020**, 9, 2829-2837	6.3	15
169	Engineering Optics 2.0 **2019**,		15
168	Metasurface-Based Lens for Antenna Gain Enhancement and Radar Cross Section Reduction. *IEEE Photonics Journal*, **2019**, 11, 1-9	1.8	15
167	Ultra-broadband spin-controlled directional router based on single optical catenary integrated on silicon waveguide. *Applied Physics Express*, **2018**, 11, 092202	2.4	14
166	Monolithic metasurface spatial differentiator enabled by asymmetric photonic spin-orbit interactions. *Nanophotonics*, **2020**, 10, 741-748	6.3	14
165	Helicity Multiplexed Spin-Orbit Interaction in Metasurface for Colorized and Encrypted Holographic Display. *Annalen Der Physik*, **2017**, 529, 1700248	2.6	14

164	Dispersion engineering in metamaterials and metasurfaces. *Journal Physics D: Applied Physics*, **2018**, 51, 054002	3	13
163	Forming Sub-32-nm High-Aspect Plasmonic Spot via Bowtie Aperture Combined with Metal-Insulator-Metal Scheme. *Plasmonics*, **2015**, 10, 1607-1613	2.4	13
162	A method for uniform demagnification imaging beyond the diffraction limit: cascaded planar hyperlens. *Applied Physics B: Lasers and Optics*, **2014**, 114, 545-550	1.9	13
161	Design of a patch antenna with dual-band radar cross-section reduction. *Microwave and Optical Technology Letters*, **2012**, 54, 2516-2520	1.2	13
160	Reducing side lobe level of antenna using frequency selective surface superstrate. *Microwave and Optical Technology Letters*, **2015**, 57, 1971-1975	1.2	12
159	Elongating the Air Working Distance of Near-Field Plasmonic Lens by Surface Plasmon Illumination. *Plasmonics*, **2015**, 10, 51-56	2.4	12
158	The Next Breakthroughs of Artificial Intelligence: The Interdisciplinary Nature of AI. *Engineering*, **2020**, 6, 245-247	9.7	12
157	Improving Imaging Contrast of Non-Contacted Plasmonic Lens by Off-Axis Illumination with High Numerical Aperture. *Plasmonics*, **2014**, 9, 699-706	2.4	12
156	Polarization and Transmission Properties of Metamaterial-Based Three-Dimensional Plasmonic Structure. *IEEE Photonics Journal*, **2011**, 3, 400-406	1.8	12
155	The Rectangular Waveguide Board Wall Slot Array Antenna Integrated with One Dimensional Subwavelength Periodic Corrugated Grooves and Artificially Soft Surface Structure. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2009**, 30, 357-366	2.2	12
154	Hybrid metallic nanoparticles for excitation of surface plasmon resonance. *Journal of Applied Physics*, **2007**, 101, 064701	2.5	12
153	High-efficiency transmission of nanoscale information by surface plasmon polaritons from near field to far field. *Journal of Applied Physics*, **2007**, 102, 074301	2.5	12
152	Ultra-broadband microwave metamaterial absorber with tetramethylurea inclusion. *Optics Express*, **2019**, 27, 25595-25602	3.3	12
151	All-metallic geometric metasurfaces for broadband and high-efficiency wavefront manipulation. *Nanophotonics*, **2020**, 9, 3209-3215	6.3	12
150	Enhanced Far-Field Focusing by Plasmonic Lens Under Radially Polarized Beam Illumination. *Plasmonics*, **2016**, 11, 109-115	2.4	11
149	High-Efficiency and Tunable Circular-Polarization Beam Splitting with a Liquid-Filled All-Metallic Catenary Meta-Mirror. *Advanced Materials Technologies*, **2019**, 4, 1900334	6.8	11
148	Dual-Functional Metasurface toward Giant Linear and Circular Dichroism. *Advanced Optical Materials*, **2020**, 8, 1902061	8.1	11
147	Large area and deep sub-wavelength interference lithography employing odd surface plasmon modes. *Scientific Reports*, **2016**, 6, 30450	4.9	11

146	Enhanced Focusing Properties Using Surface Plasmon Multilayer Gratings. *IEEE Photonics Journal*, **2012**, 4, 57-64	1.8	11
145	Dual Band Dual Polarization Directive Patch Antenna Using Rectangular Metallic Grids Metamaterial. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2009**, 30, 700-708	2.2	11
144	193 nm interference nanolithography based on SPP. *Microelectronic Engineering*, **2008**, 85, 754-757	2.5	11
143	Plasmonic Interference Lithography for Low-Cost Fabrication of Dense Lines with Sub-50 nm Half-Pitch. *ACS Applied Nano Materials*, **2019**, 2, 489-496	5.6	11
142	Multifunctional and Tunable Radar Absorber Based on Graphene-Integrated Active Metasurface. *Advanced Materials Technologies*, **2021**, 6, 2001050	6.8	11
141	Crosstalk reduction of integrated optical waveguides with nonuniform subwavelength silicon strips. *Scientific Reports*, **2020**, 10, 4491	4.9	10
140	Negative and Positive Impact of Roughness and Loss on Subwavelength Imaging for Superlens Structures. *Plasmonics*, **2014**, 9, 103-110	2.4	10
139	Modeling and experimental study of plasmonic lens imaging with resolution enhanced methods. *Optics Express*, **2016**, 24, 27115-27126	3.3	10
138	Simultaneous Control of Absorbing Frequency and Amplitude Using Graphene Capacitor and Active Frequency-Selective Surface. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 1793-1798	4.9	10
137	Graphene-Driven Metadevice for Active Microwave Camouflage with High-Efficiency Transmission Window.. *Small Methods*, **2021**, 5, e2000918	12.8	10
136	Broadband achromatic metasurfaces for sub-diffraction focusing in the visible. *Optics Express*, **2021**, 29, 5947-5958	3.3	10
135	Far-Field Super-Resolution Imaging of Nano-transparent Objects by Hyperlens with Plasmonic Resonant Cavity. *Plasmonics*, **2016**, 11, 475-481	2.4	9
134	Off Axis Illumination Planar Hyperlens for Non-contacted Deep Subwavelength Demagnifying Lithography. *Plasmonics*, **2014**, 9, 1333-1339	2.4	9
133	Efficient design of a dielectric metasurface with transfer learning and genetic algorithm. *Optical Materials Express*, **2021**, 11, 1852	2.6	9
132	Angular-multiplexed multichannel optical vortex arrays generators based on geometric metasurface. *IScience*, **2021**, 24, 102107	6.1	9
131	Ultra-wideband manipulation of electromagnetic waves by bilayer scattering engineered gradient metasurface.. *RSC Advances*, **2018**, 8, 13061-13066	3.7	8
130	Functional metasurfaces based on metallic and dielectric subwavelength slits and stripes array. *Journal of Physics Condensed Matter*, **2018**, 30, 144003	1.8	8
129	Improved near field lithography by surface plasmon resonance in groove-patterned masks. *Journal of Optics*, **2009**, 11, 125003		8

128	Minimized two- and four-step varifocal lens based on silicon photonic integrated nanoapertures. *Optics Express*, **2020**, 28, 7943-7952	3.3	8
127	Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos. *Physical Review Research*, **2021**, 3,	3.9	8
126	Topology-optimized catenary-like metasurface for wide-angle and high-efficiency deflection: from a discrete to continuous geometric phase. *Optics Express*, **2021**, 29, 10181-10191	3.3	8
125	Launching deep subwavelength bulk plasmon polaritons through hyperbolic metamaterials for surface imaging with a tuneable ultra-short illumination depth. *Nanoscale*, **2016**, 8, 17030-17038	7.7	8
124	Ultra-broadband low scattering metasurface utilizing mixed-elements based on phase cancellation. *Journal Physics D: Applied Physics*, **2020**, 53, 025102	3	8
123	Graphene-Integrated Reconfigurable Metasurface for Independent Manipulation of Reflection Magnitude and Phase. *Advanced Optical Materials*, **2021**, 9, 2001950	8.1	8
122	Subdiffraction plasmonic lens lithography prototype in stepper mode. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2017**, 35, 011603	1.3	7
121	Proximity correction and resolution enhancement of plasmonic lens lithography far beyond the near field diffraction limit. *RSC Advances*, **2017**, 7, 12366-12373	3.7	7
120	A Tunable Metasurface Deflector Based on MIM Waveguide Filled with Phase-Change Material. *Plasmonics*, **2019**, 14, 1735-1741	2.4	7
119	High-Performance Multilayer Radiative Cooling Films Designed with Flexible Hybrid Optimization Strategy. *Materials*, **2020**, 13,	3.5	7
118	Large-Area and Low-Cost Nanoslit-Based Flexible Metasurfaces for Multispectral Electromagnetic Wave Manipulation. *Advanced Optical Materials*, **2019**, 7, 1900657	8.1	7
117	Dual-band and ultra-broadband photonic spin-orbit interaction for electromagnetic shaping based on single-layer silicon metasurfaces. *Photonics Research*, **2019**, 7, 586	6	7
116	A low profile polarization reconfigurable dipole antenna using tunable electromagnetic band-gap surface. *Microwave and Optical Technology Letters*, **2014**, 56, 1281-1285	1.2	7
115	Metallic nanomesh for high-performance transparent electromagnetic shielding. *Optical Materials Express*, **2020**, 10, 796	2.6	7
114	Highly reproducible and stable surface-enhanced Raman scattering substrates of graphene-Ag nanohole arrays fabricated by sub-diffraction plasmonic lithography. *OSA Continuum*, **2019**, 2, 582	1.4	7
113	Hybrid octahedral Au nanocrystals and Ag nanohole arrays as substrates for highly sensitive and reproducible surface-enhanced Raman scattering. *Journal of Materials Chemistry C*, **2020**, 8, 1135-1142	7.1	7
112	Active Transmission/Absorption Frequency Selective Surface With Dynamical Modulation of Amplitude. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 3593-3598	4.9	7
111	Subwavelength electromagnetics. *Frontiers of Optoelectronics*, **2016**, 9, 138-150	2.8	7

110	Monolithic-Integrated Multiplexed Devices Based on Metasurface-Driven Guided Waves. *Advanced Theory and Simulations*, **2021**, 4, 2000239	3.5	7
109	Equivalent circuit analysis of □E-shaped split ring resonators. *Journal of Modern Optics*, **2015**, 62, 901-907	1.1	6
108	Inversion Symmetry Breaking in Lithium Intercalated Graphitic Materials. *ACS Applied Materials & Interfaces*, **2020**, 12, 28561-28567	9.5	6
107	Surface imaging microscopy with tunable penetration depth as short as 20 nm by employing hyperbolic metamaterials. *Journal of Materials Chemistry C*, **2018**, 6, 1797-1805	7.1	6
106	Superresolution Focusing Using Metasurface with Circularly Arranged Nanoantennas. *Plasmonics*, **2018**, 13, 147-153	2.4	6
105	Effect of the substrate temperature on the properties of spray-deposited SnO2:F thin films. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 4369-4374	2.1	6
104	Demagnifying far field focusing spot to deep subwavelength scale by truncated hyperlens for nanolithography. *Superlattices and Microstructures*, **2012**, 52, 63-69	2.8	6
103	Subwavelength light focusing of plasmonic lens with dielectric filled nanoslits structures. *Journal of Nanophotonics*, **2014**, 8, 083079	1.1	6
102	A plasma frequency modulation model for constructing structure material with arbitrary cross-section thin metallic wires. *Applied Physics A: Materials Science and Processing*, **2009**, 95, 563-566	2.6	6
101	Switchable polarization-multiplexed super-oscillatory metasurfaces for achromatic sub-diffraction focusing. *Optics Express*, **2020**, 28, 39024-39037	3.3	6
100	An Ultrabroadband THz Absorber Based on Structured Doped Silicon With Antireflection Techniques. *IEEE Photonics Journal*, **2018**, 10, 1-10	1.8	6
99	Electromagnetic Architectures: Structures, Properties, Functions and Their Intrinsic Relationships in Subwavelength Optics and Electromagnetics. *Advanced Photonics Research*, **2021**, 2, 2100023	1.9	6
98	Synthetic vector optical fields with spatial and temporal tunability. *Science China: Physics, Mechanics and Astronomy*, **2022**, 65, 1	3.6	6
97	Metasurface waves in digital optics. *JPhys Photonics*, **2020**, 2, 041003	2.5	5
96	Full Stokes Polarimetry for Wide-Angle Incident Light. *Physica Status Solidi - Rapid Research Letters*, **2020**, 14, 2000044	2.5	5
95	Circular polarization sensitive absorbers based on graphene. *Scientific Reports*, **2016**, 6, 23897	4.9	5
94	Tunable Absorbers Based on an Electrically Controlled Resistive Layer. *Plasmonics*, **2019**, 14, 327-333	2.4	5
93	Design and Theoretical Analyses of Tip□nsulator□Metal Structure with Bottom□p Light Illumination: Formations of Elongated Symmetrical Plasmonic Hot Spot at Sub-10 nm Resolution. *Plasmonics*, **2013**, 8, 1073-1078	2.4	5

92	Superlens imaging lithography for high aspect ratio sub-wavelength pattern employing trilayer resist process. *Microelectronic Engineering*, **2013**, 110, 35-39	2.5	5
91	Method for identifying the surface wave frequency band-gap of EBG structures. *Microwave and Optical Technology Letters*, **2007**, 49, 2668-2672	1.2	5
90	Emerging Long-Range Order from Freeform Disordered Metasurface.. *Advanced Materials*, **2022**, e2108709	29	5
89	Young's double-slit interference enabled by surface plasmon polaritons: a review. *Journal Physics D: Applied Physics*, **2020**, 53, 053001	3	5
88	Tunable Optical Hooks in the Visible Band Based on Ultra-Thin Metalenses. *Annalen Der Physik*, **2020**, 532, 1900396	2.6	5
87	Flexible and Tunable Dielectric Color Meta-hologram. *Plasmonics*, **2020**, 15, 217-223	2.4	5
86	Ultrathin Planar Microlens Arrays Based on Geometric Metasurface. *Annalen Der Physik*, **2018**, 530, 1700326	2.6	5
85	Symmetric and asymmetric photonic spin-orbit interaction in metasurfaces. *Progress in Quantum Electronics*, **2021**, 79, 100344	9.1	5
84	Wide Field-of-view and Broadband Terahertz Beam Steering Based on Gap Plasmon Geodesic Antennas. *Scientific Reports*, **2017**, 7, 41642	4.9	4
83	A Digital Metamaterial of Arbitrary Base Based on Voltage Tunable Liquid Crystal. *IEEE Access*, **2019**, 7, 79671-79676	3.5	4
82	Subdiffraction nanofocusing of circularly polarized light with a plasmonic cavity lens. *Journal of Materials Chemistry C*, **2019**, 7, 5615-5623	7.1	4
81	Large scale manipulation of the dark spot by phase modulation of azimuthally polarized light. *Optics Communications*, **2015**, 349, 125-131	2	4
80	Switchable Quarter-Wave Plate and Half-Wave Plate Based on Phase-Change Metasurface. *IEEE Photonics Journal*, **2020**, 12, 1-10	1.8	4
79	The application of adaptive frequency selective surface superstrate in the directive patch antenna **2009**,		4
78	Nanoscopy of near-field distribution on plasmonic nanostructures. *Journal of Vacuum Science & Technology B*, **2006**, 24, L1		4
77	Transmission-Reflection-Integrated Quadratic Phase Metasurface for Multifunctional Electromagnetic Manipulation in Full Space. *Advanced Optical Materials*,2102111	8.1	4
76	Refined Model for Plasmon Ruler Based on Catenary-Shaped Optical Fields. *Plasmonics*, **2019**, 14, 845-850	2.4	4
75	Independent Manipulation of Reflection Amplitude and Phase by a Single-Layer Reconfigurable Metasurface. *Advanced Optical Materials*, **2022**, 10, 2101551	8.1	4

74	Improvement of Focusing Efficiency of Plasmonic Planar Lens by Oil Immersion. *Plasmonics*, **2015**, 10, 539-545	2.4	3
73	Design of a Structured Bulk Plasmon Illumination Source for Enhancing Plasmonic Cavity Superlens Imaging. *Plasmonics*, **2018**, 13, 1387-1392	2.4	3
72	Metasurfaces: All-Dielectric Metasurfaces for Simultaneous Giant Circular Asymmetric Transmission and Wavefront Shaping Based on Asymmetric Photonic Spin□Orbit Interactions (Adv. Funct. Mater. 47/2017). *Advanced Functional Materials*, **2017**, 27, 1770280	15.6	3
71	A sectoral horn antenna based on the electromagnetic band-gap structures. *Microwave and Optical Technology Letters*, **2008**, 50, 965-969	1.2	3
70	Integrated multispectral real-time imaging system based on metasurfaces. *Optics Express*, **2020**, 28, 36445-36454	3.3	3
69	Recent advances of wide-angle metalenses: principle, design, and applications. *Nanophotonics*, **2021**,	6.3	3
68	Extraordinary Young□ Interferences and Super-Diffraction Laser Lithography **2020**, 1-40		3
67	Super-oscillatory metasurface doublet for sub-diffraction focusing with a large incident angle. *Optics Express*, **2021**, 29, 9991-9999	3.3	3
66	Directional Coupling and Spin Routing in Catenary-Shaped SOI Waveguide. *IEEE Photonics Technology Letters*, **2019**, 31, 415-418	2.2	3
65	Wavelength-Dependent Three-Dimensional Volumetric Optical Vortices Modulation Based on Metasurface. *IEEE Photonics Journal*, **2018**, 10, 1-8	1.8	3
64	Misalignments among stacked layers of metamaterial terahertz absorbers. *Frontiers of Optoelectronics*, **2014**, 7, 53-58	2.8	2
63	Plasmon-related optical properties of unpenetrated metallic periodic structures. *Optical Materials*, **2006**, 29, 211-215	3.3	2
62	Photonic Devices: Plasmonic Metasurfaces for Switchable Photonic Spin□Orbit Interactions Based on Phase Change Materials (Adv. Sci. 10/2018). *Advanced Science*, **2018**, 5, 1870063	13.6	2
61	All-metallic high-efficiency generalized Pancharatnam□Berry phase metasurface with chiral meta-atoms. *Nanophotonics*, **2022**,	6.3	2
60	Breaking the Cut-Off Wavelength Limit of GaTe through Self-Driven Oxygen Intercalation in Air.. *Advanced Science*, **2021**, e2103429	13.6	2
59	Vector optical field manipulation via structural functional materials: Tutorial. *Journal of Applied Physics*, **2022**, 131, 181101	2.5	2
58	A Dynamic Thermal Camouflage Metadevice with Microwave Scattering Reduction. *Advanced Science*,2201054	13.6	2
57	Catenary Optics: Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas (Adv. Sci. 7/2019). *Advanced Science*, **2019**, 6, 1970038	13.6	1

56	Sub-diffraction-limited magnified Talbot imaging in cylindrical metamaterial. *Applied Physics A: Materials Science and Processing*, **2015**, 118, 1543-1549	2.6	1
55	Meta-holograms based on evanescent waves for encryption. *RSC Advances*, **2017**, 7, 53611-53616	3.7	1
54	Design of a patch antenna with dual-band radar cross section reduction **2012**,		1
53	Metamaterial assisted antenna array for reduction of sidelobe level **2012**,		1
52	Reply to Comments on A High-Gain Antenna Consisting of Two Slot Elements With a Space Larger Than a Wavelength *IEEE Antennas and Wireless Propagation Letters*, **2010**, 9, 1280-1283	3.8	1
51	Fabrication of Subwavelength Metallic Structures Using Laser Interference Lithography **2011**,		1
50	Design of corrugated ground loaded with medium for directivity enhancement of circular polarized patch antenna **2009**,		1
49	Application of subwavelength corrugated grooves in the antenna field **2009**,		1
48	Dual band directive patch antenna based on the cut wire pairs structure. *Microwave and Optical Technology Letters*, **2010**, 52, 160-163	1.2	1
47	A High Gain and Broadband C-Band Aperture-Coupled Patch Antenna. *Journal of Infrared, Millimeter and Terahertz Waves*, **2007**, 28, 1115-1122		1
46	SPATIAL DISTRIBUTION OF SURFACE PLASMON POLARITON FROM METALLIC NANOSTRUCTURES. *Modern Physics Letters B*, **2005**, 19, 599-606	1.6	1
45	Flexible and broadband absorbing woven fabric using carbon-based resistive frequency selective surface. *Composite Structures*, **2022**, 285, 115262	5.3	1
44	Application of vector diffraction theory in geometric phase based metasurfaces. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, E42	1.7	1
43	Tunable beam manipulation based on phase-change metasurfaces. *Applied Optics*, **2019**, 58, 7996-8001	1.7	1
42	Polarization-dependent spatial channel multiplexing dynamic hologram in the visible band. *Optics Express*, **2021**, 29, 18351-18361	3.3	1
41	Study on focusing properties of broadband range and oblique incidence on the basis of V-shaped nanoantenna. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	1
40	Polarization Manipulation, Detection, and Imaging **2019**, 531-585		1
39	Perfect Absorption of Light **2019**, 587-643		1

38	Sub-Diffraction-Limited Telescopies **2019**, 351-377		1
37	Ultra-narrow-band Infrared Absorbers Based on Surface Plasmon Resonance. *Plasmonics*, **2021**, 16, 1165-1174	3.4	1
36	Quasi-Continuous Metasurface Beam Splitters Enabled by Vector Iterative Fourier Transform Algorithm. *Materials*, **2021**, 14,	3.5	1
35	A large numerical aperture structured lens formed by varying high-refractive-index-dielectric square holes. *Journal of Modern Optics*, **2010**, 57, 570-575	1.1	0
34	From Catenary Optics to Engineering Optics 2.0 **2019**, 355-376		0
33	Waveguide evanescent waves based structured illumination microscopy with compact structure and flexible design. *Journal Physics D: Applied Physics*, **2021**, 54, 215101	3	0
32	Radiation Engineering and Optical Phased Array **2019**, 645-690		0
31	Broadband Achromatic Transmission-Reflection-Integrated Metasurface Based on Frequency Multiplexing and Dispersion Engineering. *Advanced Optical Materials*, **2021**, 9, 2001736	8.1	0
30	Dual-wavelength multilevel diffractive lenses for near-infrared imaging. *Journal Physics D: Applied Physics*, **2021**, 54, 175109	3	0
29	Bloch Surface Wave Assisted Structured Illumination Microscopy for Sub-100 nm Resolution. *IEEE Photonics Journal*, **2021**, 13, 1-9	1.8	0
28	Broadband and high-efficiency photonic spin-Hall effect with all-metallic metasurfaces.. *Optics Express*, **2022**, 30, 14938-14947	3.3	0
27	Optically transparent infrared selective emitter for visible-infrared compatible camouflage. *Optics Express*, **2022**, 30, 17259	3.3	0
26	Optimization on Plasmonic Lenses Based on Generation Efficiency of Surface Plasmon Polaritons at Metallic Nanoslit. *Plasmonics*, **2017**, 12, 545-551	2.4	
25	Catenary Optics: Heat Resisting Metallic Meta-Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field (Adv. Mater. Technol. 2/2019). *Advanced Materials Technologies*, **2019**, 4, 1970012	6.8	
24	High resolution photolithography with sub-wavelength grating. *Applied Physics A: Materials Science and Processing*, **2014**, 115, 69-73	2.6	
23	All-Ceramic Coding Metastructure for High-Temperature RCS Reduction. *Advanced Engineering Materials*,2101503	3.5	
22	Extraordinary Young's Interferences and Super-Diffraction Laser Lithography **2021**, 1249-1287		
21	Planar Hyperspectral Imager With Small Smile and Keystone Based on Two Metasurfaces. *IEEE Photonics Journal*, **2022**, 14, 1-8	1.8	

20 Catenary Plasmons for Sub-diffraction-Limited Imaging and Nanolithography **2019**, 117-171

19 Catenary Optical Fields and Dispersion for Perfect Absorption of Light **2019**, 273-321

18 Catenary Structures for Spin-Dependent Coupling of Waveguide Modes **2019**, 93-116

17 Spin-Controlled Beam Shaping with Catenary Subwavelength Structures **2019**, 41-92

16 Catenary Plasmons for Flat Lensing, Beam Deflecting, and Shaping **2019**, 173-228

15 Beam Shaping via Microscopic Meta-surface-wave **2019**, 229-272

14 Catenary Optical Fields for Thermal Emission Engineering **2019**, 323-354

13 Introduction to Engineering Optics 2.0 **2019**, 1-47

12 Generation and Manipulation of Special Light Beams **2019**, 439-481

11 Structural Colors and Meta-holographic Display **2019**, 483-530

10 Theoretical Basis **2019**, 49-105

9 Material Basis **2019**, 107-148

8 Numerical Modeling and Intelligent Designs **2019**, 149-177

7 Super-resolution Microscopy **2019**, 243-292

6 Sub-Diffraction-Limited Nanolithography **2019**, 293-350

5 Metalenses and Meta-mirrors **2019**, 379-438

4 Back Cover: Graphene-Driven Metadevice for Active Microwave Camouflage with High-Efficiency Transmission Window (Small Methods 2/2021). *Small Methods*, **2021**, 5, 2170007 12.8

3 Single-layer metalens for achromatic focusing with wide field of view in the visible range. *Journal Physics D: Applied Physics*, **2022**, 55, 235106 3

2	Polarization multiplexing metasurface for dual-band achromatic focusing.. *Optics Express*, **2022**, 30, 12069-12079	3.3
1	Numerical and experimental analysis of patterning multi-period and multi-radius metasurfaces. *Materials Today Advances*, **2022**, 14, 100247	7.4