

# Xiangang Luo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Emerging Long-Range Order from Freeform Disordered Metasurface.. <i>Advanced Materials</i> , <b>2022</b> , e2108709	1.4	5
342	Flexible and broadband absorbing woven fabric using carbon-based resistive frequency selective surface. <i>Composite Structures</i> , <b>2022</b> , 285, 115262	5.3	1
341	Planar Hyperspectral Imager With Small Smile and Keystone Based on Two Metasurfaces. <i>IEEE Photonics Journal</i> , <b>2022</b> , 14, 1-8	1.8	
340	All-metallic high-efficiency generalized Pancharatnam-Berry phase metasurface with chiral meta-atoms. <i>Nanophotonics</i> , <b>2022</b> ,	6.3	2
339	Single-layer metalens for achromatic focusing with wide field of view in the visible range. <i>Journal Physics D: Applied Physics</i> , <b>2022</b> , 55, 235106	3	
338	Synthetic vector optical fields with spatial and temporal tunability. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2022</b> , 65, 1	3.6	6
337	Polarization multiplexing metasurface for dual-band achromatic focusing.. <i>Optics Express</i> , <b>2022</b> , 30, 120693, 12079	5.3	12079
336	Independent Manipulation of Reflection Amplitude and Phase by a Single-Layer Reconfigurable Metasurface. <i>Advanced Optical Materials</i> , <b>2022</b> , 10, 2101551	8.1	4
335	Broadband and high-efficiency photonic spin-Hall effect with all-metallic metasurfaces.. <i>Optics Express</i> , <b>2022</b> , 30, 14938-14947	3.3	0
334	Vector optical field manipulation via structural functional materials: Tutorial. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 181101	2.5	2
333	Optically transparent infrared selective emitter for visible-infrared compatible camouflage. <i>Optics Express</i> , <b>2022</b> , 30, 17259	3.3	0
332	Numerical and experimental analysis of patterning multi-period and multi-radius metasurfaces. <i>Materials Today Advances</i> , <b>2022</b> , 14, 100247	7.4	
331	Recent advances of wide-angle metalenses: principle, design, and applications. <i>Nanophotonics</i> , <b>2021</b> ,	6.3	3
330	Extraordinary Young's Interferences and Super-Diffraction Laser Lithography <b>2021</b> , 1249-1287		
329	Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	8
328	Spin-decoupled metasurface for simultaneous detection of spin and orbital angular momenta via momentum transformation. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 63	16.7	61
327	Waveguide evanescent waves based structured illumination microscopy with compact structure and flexible design. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 215101	3	0

326	Topology-optimized catenary-like metasurface for wide-angle and high-efficiency deflection: from a discrete to continuous geometric phase. <i>Optics Express</i> , <b>2021</b> , 29, 10181-10191	3.3	8
325	Super-oscillatory metasurface doublet for sub-diffraction focusing with a large incident angle. <i>Optics Express</i> , <b>2021</b> , 29, 9991-9999	3.3	3
324	Generalized Pancharatnam-Berry Phase in Rotationally Symmetric Meta-Atoms. <i>Physical Review Letters</i> , <b>2021</b> , 126, 183902	7.4	29
323	Polarization-dependent spatial channel multiplexing dynamic hologram in the visible band. <i>Optics Express</i> , <b>2021</b> , 29, 18351-18361	3.3	1
322	Efficient design of a dielectric metasurface with transfer learning and genetic algorithm. <i>Optical Materials Express</i> , <b>2021</b> , 11, 1852	2.6	9
321	Active Transmission/Absorption Frequency Selective Surface With Dynamical Modulation of Amplitude. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 3593-3598	4.9	7
320	Simultaneous Control of Absorbing Frequency and Amplitude Using Graphene Capacitor and Active Frequency-Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 1793-1798	4.9	10
319	Graphene-Driven Metadevice for Active Microwave Camouflage with High-Efficiency Transmission Window.. <i>Small Methods</i> , <b>2021</b> , 5, e2000918	12.8	10
318	Monolithic-Integrated Multiplexed Devices Based on Metasurface-Driven Guided Waves. <i>Advanced Theory and Simulations</i> , <b>2021</b> , 4, 2000239	3.5	7
317	Ultra-narrow-band Infrared Absorbers Based on Surface Plasmon Resonance. <i>Plasmonics</i> , <b>2021</b> , 16, 1165-1174	11.74	1
316	Graphene-Integrated Reconfigurable Metasurface for Independent Manipulation of Reflection Magnitude and Phase. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001950	8.1	8
315	Broadband Achromatic Transmission/Reflection-Integrated Metasurface Based on Frequency Multiplexing and Dispersion Engineering. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001736	8.1	0
314	Quasi-Continuous Metasurface Beam Splitters Enabled by Vector Iterative Fourier Transform Algorithm. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
313	Angular-multiplexed multichannel optical vortex arrays generators based on geometric metasurface. <i>IScience</i> , <b>2021</b> , 24, 102107	6.1	9
312	Dual-wavelength multilevel diffractive lenses for near-infrared imaging. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 175109	3	0
311	Broadband achromatic metasurfaces for sub-diffraction focusing in the visible. <i>Optics Express</i> , <b>2021</b> , 29, 5947-5958	3.3	10
310	Bloch Surface Wave Assisted Structured Illumination Microscopy for Sub-100 nm Resolution. <i>IEEE Photonics Journal</i> , <b>2021</b> , 13, 1-9	1.8	0
309	Multifunctional and Tunable Radar Absorber Based on Graphene-Integrated Active Metasurface. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2001050	6.8	11

308	Extreme-Angle Silicon Infrared Optics Enabled by Streamlined Surfaces. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008157	24	30
307	Back Cover: Graphene-Driven Metadevice for Active Microwave Camouflage with High-Efficiency Transmission Window (Small Methods 2/2021). <i>Small Methods</i> , <b>2021</b> , 5, 2170007	12.8	
306	Electromagnetic Architectures: Structures, Properties, Functions and Their Intrinsic Relationships in Subwavelength Optics and Electromagnetics. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2100023	1.9	6
305	Symmetric and asymmetric photonic spin-orbit interaction in metasurfaces. <i>Progress in Quantum Electronics</i> , <b>2021</b> , 79, 100344	9.1	5
304	Breaking the Cut-Off Wavelength Limit of GaTe through Self-Driven Oxygen Intercalation in Air.. <i>Advanced Science</i> , <b>2021</b> , e2103429	13.6	2
303	Inversion Symmetry Breaking in Lithium Intercalated Graphitic Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 28561-28567	9.5	6
302	Metasurface waves in digital optics. <i>JPhys Photonics</i> , <b>2020</b> , 2, 041003	2.5	5
301	Simultaneous Full-Color Printing and Holography Enabled by Centimeter-Scale Plasmonic Metasurfaces. <i>Advanced Science</i> , <b>2020</b> , 7, 1903156	13.6	46
300	Dual-Functional Metasurface toward Giant Linear and Circular Dichroism. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1902061	8.1	11
299	Crosstalk reduction of integrated optical waveguides with nonuniform subwavelength silicon strips. <i>Scientific Reports</i> , <b>2020</b> , 10, 4491	4.9	10
298	Full Stokes Polarimetry for Wide-Angle Incident Light. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2020</b> , 14, 2000044	2.5	5
297	High-Performance Multilayer Radiative Cooling Films Designed with Flexible Hybrid Optimization Strategy. <i>Materials</i> , <b>2020</b> , 13,	3.5	7
296	Switchable Quarter-Wave Plate and Half-Wave Plate Based on Phase-Change Metasurface. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-10	1.8	4
295	The Next Breakthroughs of Artificial Intelligence: The Interdisciplinary Nature of AI. <i>Engineering</i> , <b>2020</b> , 6, 245-247	9.7	12
294	Broadband Polarization-Insensitive Tunable Absorber Using Active Frequency Selective Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 982-986	3.8	21
293	Minimized two- and four-step varifocal lens based on silicon photonic integrated nanoapertures. <i>Optics Express</i> , <b>2020</b> , 28, 7943-7952	3.3	8
292	Hierarchical metamaterials for laser-infrared-microwave compatible camouflage. <i>Optics Express</i> , <b>2020</b> , 28, 9445-9453	3.3	32
291	Integrated multispectral real-time imaging system based on metasurfaces. <i>Optics Express</i> , <b>2020</b> , 28, 36445-36454	3.5	34

290	Switchable polarization-multiplexed super-oscillatory metasurfaces for achromatic sub-diffraction focusing. <i>Optics Express</i> , <b>2020</b> , 28, 39024-39037	3.3	6
289	Metallic nanomesh for high-performance transparent electromagnetic shielding. <i>Optical Materials Express</i> , <b>2020</b> , 10, 796	2.6	7
288	Broadband and high-efficiency accelerating beam generation by dielectric catenary metasurfaces. <i>Nanophotonics</i> , <b>2020</b> , 9, 2829-2837	6.3	15
287	Monolithic metasurface spatial differentiator enabled by asymmetric photonic spin-orbit interactions. <i>Nanophotonics</i> , <b>2020</b> , 10, 741-748	6.3	14
286	Off-axis multi-wavelength dispersion controlling metalens for multi-color imaging. <i>Opto-Electronic Advances</i> , <b>2020</b> , 3, 19000501-19000507	6.5	44
285	Extraordinary Young's Interferences and Super-Diffraction Laser Lithography <b>2020</b> , 1-40		3
284	Young's double-slit interference enabled by surface plasmon polaritons: a review. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 053001	3	5
283	Plasmonic lithography for the fabrication of surface nanostructures with a feature size down to 9 nm. <i>Nanoscale</i> , <b>2020</b> , 12, 2415-2421	7.7	21
282	Hybrid octahedral Au nanocrystals and Ag nanohole arrays as substrates for highly sensitive and reproducible surface-enhanced Raman scattering. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 1135-1142	7.1	7
281	Tunable Optical Hooks in the Visible Band Based on Ultra-Thin Metalenses. <i>Annalen Der Physik</i> , <b>2020</b> , 532, 1900396	2.6	5
280	All-metallic geometric metasurfaces for broadband and high-efficiency wavefront manipulation. <i>Nanophotonics</i> , <b>2020</b> , 9, 3209-3215	6.3	12
279	Catenary Functions Meet Electromagnetic Waves: Opportunities and Promises. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2001194	8.1	23
278	Inverse design of broadband metasurface absorber based on convolutional autoencoder network and inverse design network. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 464002	3	16
277	Multistate Switching of Photonic Angular Momentum Coupling in Phase-Change Metadevices. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908194	2.4	51
276	Ultra-broadband low scattering metasurface utilizing mixed-elements based on phase cancellation. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 025102	3	8
275	Broadband and Tunable Radar Absorber Based on Graphene Capacitor Integrated With Resistive Frequency-Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2446-2450	4.9	34
274	Flexible and Tunable Dielectric Color Meta-hologram. <i>Plasmonics</i> , <b>2020</b> , 15, 217-223	2.4	5
273	Polarization-controlled unidirectional excitation of surface plasmon polaritons utilizing catenary apertures. <i>Nanoscale</i> , <b>2019</b> , 11, 3952-3957	7.7	29

272	Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas. <i>Advanced Science</i> , <b>2019</b> , 6, 1801691	13.6	82
271	Asymmetric Transmission and Wavefront Manipulation toward Dual-Frequency Meta-Holograms. <i>ACS Photonics</i> , <b>2019</b> , 6, 1541-1546	6.3	27
270	Polarization-Controlled Broadband Accelerating Beams Generation by Single Catenary-Shaped Metasurface. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900503	8.1	27
269	A Tunable Metasurface Deflector Based on MIM Waveguide Filled with Phase-Change Material. <i>Plasmonics</i> , <b>2019</b> , 14, 1735-1741	2.4	7
268	Broadband and Tunable RCS Reduction using High-order Reflections and Salisbury-type Absorption Mechanisms. <i>Scientific Reports</i> , <b>2019</b> , 9, 9036	4.9	18
267	A Digital Metamaterial of Arbitrary Base Based on Voltage Tunable Liquid Crystal. <i>IEEE Access</i> , <b>2019</b> , 7, 79671-79676	3.5	4
266	High-Efficiency and Tunable Circular-Polarization Beam Splitting with a Liquid-Filled All-Metallic Catenary Meta-Mirror. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900334	6.8	11
265	Flexible and Transparent Microwave/Infrared Bistech Structure. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900063	6.8	39
264	Roadmap on superoscillations. <i>Journal of Optics (United Kingdom)</i> , <b>2019</b> , 21, 053002	1.7	59
263	Midinfrared real-time polarization imaging with all-dielectric metasurfaces. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 161904	3.4	24
262	Extraordinary optical fields in nanostructures: from sub-diffraction-limited optics to sensing and energy conversion. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 2458-2494	58.5	67
261	Methodologies for On-Demand Dispersion Engineering of Waves in Metasurfaces. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801376	8.1	19
260	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). <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1970012	6.8	
259	Subdiffraction nanofocusing of circularly polarized light with a plasmonic cavity lens. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5615-5623	7.1	4
258	Colorful Metahologram with Independently Controlled Images in Transmission and Reflection Spaces. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1809145	15.6	47
257	Catenary Optics: Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas (Adv. Sci. 7/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970038	13.6	1
256	Tunable Absorbers Based on an Electrically Controlled Resistive Layer. <i>Plasmonics</i> , <b>2019</b> , 14, 327-333	2.4	5
255	Large-Area and Low-Cost Nanoslit-Based Flexible Metasurfaces for Multispectral Electromagnetic Wave Manipulation. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900657	8.1	7

254	Experimental demonstration of a continuous varifocal metalens with large zoom range and high imaging resolution. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 163103	3.4	19
253	Spoof Plasmonic Metasurfaces with Catenary Dispersion for Two-Dimensional Wide-Angle Focusing and Imaging. <i>IScience</i> , <b>2019</b> , 21, 145-156	6.1	29
252	Dual-band and ultra-broadband photonic spin-orbit interaction for electromagnetic shaping based on single-layer silicon metasurfaces. <i>Photonics Research</i> , <b>2019</b> , 7, 586	6	7
251	Dual-band vortex beam generation with different OAM modes using single-layer metasurface. <i>Optics Express</i> , <b>2019</b> , 27, 34-44	3.3	45
250	Cascaded metasurface for simultaneous control of transmission and reflection. <i>Optics Express</i> , <b>2019</b> , 27, 9061-9070	3.3	15
249	Broadband low-scattering metasurface using a combination of phase cancellation and absorption mechanisms. <i>Optics Express</i> , <b>2019</b> , 27, 23368-23377	3.3	20
248	Ultra-broadband microwave metamaterial absorber with tetramethylurea inclusion. <i>Optics Express</i> , <b>2019</b> , 27, 25595-25602	3.3	12
247	Highly reproducible and stable surface-enhanced Raman scattering substrates of graphene-Ag nanohole arrays fabricated by sub-diffraction plasmonic lithography. <i>OSA Continuum</i> , <b>2019</b> , 2, 582	1.4	7
246	All-metallic wide-angle metasurfaces for multifunctional polarization manipulation. <i>Opto-Electronic Advances</i> , <b>2019</b> , 2, 18002301-18002306	6.5	45
245	Catenary Plasmons for Sub-diffraction-Limited Imaging and Nanolithography <b>2019</b> , 117-171		
244	Catenary Optical Fields and Dispersion for Perfect Absorption of Light <b>2019</b> , 273-321		
243	Catenary Structures for Spin-Dependent Coupling of Waveguide Modes <b>2019</b> , 93-116		
242	Spin-Controlled Beam Shaping with Catenary Subwavelength Structures <b>2019</b> , 41-92		
241	Catenary Plasmons for Flat Lensing, Beam Deflecting, and Shaping <b>2019</b> , 173-228		
240	Beam Shaping via Microscopic Meta-surface-wave <b>2019</b> , 229-272		
239	Catenary Optical Fields for Thermal Emission Engineering <b>2019</b> , 323-354		
238	From Catenary Optics to Engineering Optics 2.0 <b>2019</b> , 355-376		0
237	Application of vector diffraction theory in geometric phase based metasurfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2019</b> , 36, E42	1.7	1

- 236 Tunable beam manipulation based on phase-change metasurfaces. *Applied Optics*, **2019**, 58, 7996-8001 1.7 1
- 235 Engineering Optics 2.0 **2019**, 15
- 234 Introduction to Engineering Optics 2.0 **2019**, 1-47
- 233 Generation and Manipulation of Special Light Beams **2019**, 439-481
- 232 Structural Colors and Meta-holographic Display **2019**, 483-530
- 231 Polarization Manipulation, Detection, and Imaging **2019**, 531-585 1
- 230 Perfect Absorption of Light **2019**, 587-643 1
- 229 Radiation Engineering and Optical Phased Array **2019**, 645-690 0
- 228 Theoretical Basis **2019**, 49-105
- 227 Material Basis **2019**, 107-148
- 226 Numerical Modeling and Intelligent Designs **2019**, 149-177
- 225 Super-resolution Microscopy **2019**, 243-292
- 224 Sub-Diffraction-Limited Nanolithography **2019**, 293-350
- 223 Sub-Diffraction-Limited Telescopes **2019**, 351-377 1
- 222 Metalenses and Meta-mirrors **2019**, 379-438
- 221 Metasurface-Based Lens for Antenna Gain Enhancement and Radar Cross Section Reduction. *IEEE Photonics Journal*, **2019**, 11, 1-9 1.8 15
- 220 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
- 219 Broadband Generation of Photonic Spin-Controlled Arbitrary Accelerating Light Beams in the Visible. *Nano Letters*, **2019**, 19, 1158-1165 11.5 69



218	Subwavelength Artificial Structures: Opening a New Era for Engineering Optics. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804680	24	110
217	Directional Coupling and Spin Routing in Catenary-Shaped SOI Waveguide. <i>IEEE Photonics Technology Letters</i> , <b>2019</b> , 31, 415-418	2.2	3
216	Plasmonic Interference Lithography for Low-Cost Fabrication of Dense Lines with Sub-50 nm Half-Pitch. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 489-496	5.6	11
215	Generation of Polarization-Sensitive Modulated Optical Vortices with All-Dielectric Metasurfaces. <i>ACS Photonics</i> , <b>2019</b> , 6, 628-633	6.3	17
214	Catenary Optics <b>2019</b> ,		24
213	Broadband Functional Metasurfaces: Achieving Nonlinear Phase Generation toward Achromatic Surface Cloaking and Lensing. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801480	8.1	31
212	Refined Model for Plasmon Ruler Based on Catenary-Shaped Optical Fields. <i>Plasmonics</i> , <b>2019</b> , 14, 845-850	4	4
211	Dual-Wavelength Carpet Cloak Using Ultrathin Metasurface. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800078	3.1	41
210	Polarization-independent broadband meta-holograms via polarization-dependent nanoholes. <i>Nanoscale</i> , <b>2018</b> , 10, 9304-9310	7.7	19
209	Ultra-wideband manipulation of electromagnetic waves by bilayer scattering engineered gradient metasurface.. <i>RSC Advances</i> , <b>2018</b> , 8, 13061-13066	3.7	8
208	Subwavelength Optical Engineering with Metasurface Waves. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701201	20.1	100
207	Plasmonic Metasurfaces for Simultaneous Thermal Infrared Invisibility and Holographic Illusion. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706673	15.6	101
206	Combining FSS and EBG Surfaces for High-Efficiency Transmission and Low-Scattering Properties. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1628-1632	4.9	50
205	Surface imaging microscopy with tunable penetration depth as short as 20 nm by employing hyperbolic metamaterials. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 1797-1805	7.1	6
204	Functional metasurfaces based on metallic and dielectric subwavelength slits and stripes array. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 144003	1.8	8
203	[INVITED] Coherent perfect absorption of electromagnetic wave in subwavelength structures. <i>Optics and Laser Technology</i> , <b>2018</b> , 101, 499-506	4.2	23
202	Dispersion engineering in metamaterials and metasurfaces. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 054002	3	13
201	Plasmonic metalens for nanofabrication. <i>National Science Review</i> , <b>2018</b> , 5, 137-138	10.8	20

200	A refractory metamaterial absorber for ultra-broadband, omnidirectional and polarization-independent absorption in the UV-NIR spectrum. <i>Nanoscale</i> , <b>2018</b> , 10, 8298-8303	7.7	99
199	Chip-Integrated Geometric Metasurface As a Novel Platform for Directional Coupling and Polarization Sorting by Spin-Orbit Interaction. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2018</b> , 24, 1-7	3.8	34
198	Superresolution Focusing Using Metasurface with Circularly Arranged Nanoantennas. <i>Plasmonics</i> , <b>2018</b> , 13, 147-153	2.4	6
197	Reconfigurable Metasurface Cloak for Dynamical Electromagnetic Illusions. <i>ACS Photonics</i> , <b>2018</b> , 5, 1718-1725	7.4	74
196	Broadband metamaterial as an "invisible" radiative cooling coat. <i>Optics Communications</i> , <b>2018</b> , 407, 204-207	3.5	35
195	Color display and encryption with a plasmonic polarizing metamirror. <i>Nanophotonics</i> , <b>2018</b> , 7, 323-331	6.3	48
194	Design of a Structured Bulk Plasmon Illumination Source for Enhancing Plasmonic Cavity Superlens Imaging. <i>Plasmonics</i> , <b>2018</b> , 13, 1387-1392	2.4	3
193	Achromatic Broadband Super-Resolution Imaging by Super-Oscillatory Metasurface. <i>Laser and Photonics Reviews</i> , <b>2018</b> , 12, 1800064	8.3	50
192	Large area deep subwavelength interference lithography with a 35 nm half-period based on bulk plasmon polaritons. <i>Optical Materials Express</i> , <b>2018</b> , 8, 199	2.6	26
191	Theory of microscopic meta-surface waves based on catenary optical fields and dispersion. <i>Optics Express</i> , <b>2018</b> , 26, 19555-19562	3.3	52
190	High-Efficiency and Wide-Angle Beam Steering Based on Catenary Optical Fields in Ultrathin Metalens. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800592	8.1	92
189	Ultra-broadband spin-controlled directional router based on single optical catenary integrated on silicon waveguide. <i>Applied Physics Express</i> , <b>2018</b> , 11, 092202	2.4	14
188	Revisitation of Extraordinary Young's Interference: from Catenary Optical Fields to Spin-Orbit Interaction in Metasurfaces. <i>ACS Photonics</i> , <b>2018</b> , 5, 3198-3204	6.3	79
187	Subwavelength interference of light on structured surfaces. <i>Advances in Optics and Photonics</i> , <b>2018</b> , 10, 757	16.7	60
186	Quasi-Talbot effect of orbital angular momentum beams for generation of optical vortex arrays by multiplexing metasurface design. <i>Nanoscale</i> , <b>2018</b> , 10, 666-671	7.7	33
185	Ultrathin Planar Microlens Arrays Based on Geometric Metasurface. <i>Annalen Der Physik</i> , <b>2018</b> , 530, 1700326	3.6	5
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178	Wide Field-of-view and Broadband Terahertz Beam Steering Based on Gap Plasmon Geodesic Antennas. <i>Scientific Reports</i> , <b>2017</b> , 7, 41642	4.9	4
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173	Actively Tunable Structural Color Rendering with Tensile Substrate. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600829	8.1	54
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171	Proximity correction and resolution enhancement of plasmonic lens lithography far beyond the near field diffraction limit. <i>RSC Advances</i> , <b>2017</b> , 7, 12366-12373	3.7	7
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168	All-Dielectric Metasurfaces for Simultaneous Giant Circular Asymmetric Transmission and Wavefront Shaping Based on Asymmetric Photonic Spin-Orbit Interactions. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1704295	15.6	174
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161	Pushing the plasmonic imaging nanolithography to nano-manufacturing. <i>Optics Communications</i> , <b>2017</b> , 404, 62-72	2	16
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158	Super-resolution imaging with a Bessel lens realized by a geometric metasurface. <i>Optics Express</i> , <b>2017</b> , 25, 13933-13943	3.3	35
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152	Large area and deep sub-wavelength interference lithography employing odd surface plasmon modes. <i>Scientific Reports</i> , <b>2016</b> , 6, 30450	4.9	11
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34	The Rectangular Waveguide Board Wall Slot Array Antenna Integrated with One Dimensional Subwavelength Periodic Corrugated Grooves and Artificially Soft Surface Structure. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2009</b> , 30, 357-366	2.2	12
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32	A plasma frequency modulation model for constructing structure material with arbitrary cross-section thin metallic wires. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 95, 563-566	2.6	6
31	The application of adaptive frequency selective surface superstrate in the directive patch antenna <b>2009</b> ,		4
30	Realizing near-perfect absorption at visible frequencies. <i>Optics Express</i> , <b>2009</b> , 17, 11039-44	3.3	160
29	Mixed plasmons coupling for expanding the bandwidth of near-perfect absorption at visible frequencies. <i>Optics Express</i> , <b>2009</b> , 17, 16745-9	3.3	91
28	Grooves-Assisted Surface Wave Modulation in Two-Slot Array for Mutual Coupling Reduction and Gain Enhancement. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2009</b> , 8, 912-915	3.8	21
27	Structured lens formed by a 2D square hole array in a metallic film. <i>Optics Letters</i> , <b>2008</b> , 33, 753-5	3	25
26	Subwavelength imaging with anisotropic structure comprising alternately layered metal and dielectric films. <i>Optics Express</i> , <b>2008</b> , 16, 4217-27	3.3	57
25	Plasmonic beam deflector. <i>Optics Express</i> , <b>2008</b> , 16, 4753-9	3.3	90
24	Sub-diffraction-limited interference photolithography with metamaterials. <i>Optics Express</i> , <b>2008</b> , 16, 13579-84	3.3	54
23	Far-field imaging device: planar hyperlens with magnification using multi-layer metamaterial. <i>Optics Express</i> , <b>2008</b> , 16, 21142-8	3.3	79
22	Directional excitation of surface plasmons with subwavelength slits. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 101501	3.4	109
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18	Method for identifying the surface wave frequency band-gap of EBG structures. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 2668-2672	1.2	5
17	A High Gain and Broadband C-Band Aperture-Coupled Patch Antenna. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2007</b> , 28, 1115-1122		1
16	Surface-plasmon polariton interference nanolithography based on end-fire coupling. <i>Microelectronic Engineering</i> , <b>2007</b> , 84, 1037-1040	2.5	16
15	Hybrid metallic nanoparticles for excitation of surface plasmon resonance. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 064701	2.5	12
14	High-efficiency transmission of nanoscale information by surface plasmon polaritons from near field to far field. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 074301	2.5	12
13	Subwavelength imaging by metallic slab lens with nanoslits. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 201501	3.4	75
12	Young's interference of double metallic nanoslit with different widths. <i>Optics Express</i> , <b>2007</b> , 15, 11321-73.3		31
11	Nanoscopy of near-field distribution on plasmonic nanostructures. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2006</b> , 24, L1		4
10	Plasmon-related optical properties of unpenetrated metallic periodic structures. <i>Optical Materials</i> , <b>2006</b> , 29, 211-215	3.3	2
9	Beam manipulating by metallic nano-slits with variant widths. <i>Optics Express</i> , <b>2005</b> , 13, 6815-20	3.3	304
8	Surface plasmon polariton propagation and combination in Y-shaped metallic channels. <i>Optics Express</i> , <b>2005</b> , 13, 10795-800	3.3	131
7	SPATIAL DISTRIBUTION OF SURFACE PLASMON POLARITON FROM METALLIC NANOSTRUCTURES. <i>Modern Physics Letters B</i> , <b>2005</b> , 19, 599-606	1.6	1
6	Sub-100-nm Photolithography Based on Plasmon Resonance. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 4017-4021	1.4	29
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