

Lingling Huang

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.

95
papers

4,794
citations

28
h-index

68
g-index

111
ext. papers

6,020
ext. citations

7.1
avg, IF

5.76
L-index

#	Paper	IF	Citations
95	Fast-Response Oxygen Optical Fiber Sensor based on PEA SnI Perovskite with Extremely Low Limit of Detection.. <i>Advanced Science</i> , 2022 , e2104708	13.6	3
94	Efficient Frequency Conversion with Geometric Phase Control in Optical Metasurfaces.. <i>Advanced Science</i> , 2022 , e2104508	13.6	0
93	Magnetically controllable holographic encryption based on a magneto-optical metasurface.. <i>Optics Express</i> , 2022 , 30, 8366-8375	3.3	0
92	Three-dimensional Dirac semimetal metamaterial enabled by negative couplings. <i>New Journal of Physics</i> , 2022 , 24, 033025	2.9	1
91	Full-Stokes polarization transformations and time sequence metasurface holographic display. <i>Photonics Research</i> , 2022 , 10, 1031	6	5
90	BST-silicon hybrid terahertz meta-modulator for dual-stimuli-triggered opposite transmission amplitude control. <i>Nanophotonics</i> , 2022 ,	6.3	7
89	Arbitrary amplitude and phase control in visible by dielectric metasurface.. <i>Optics Express</i> , 2022 , 30, 13530-13539	3.3	13539
88	Multiplexed Generation of Generalized Vortex Beams with On-Demand Intensity Profiles Based on Metasurfaces. <i>Laser and Photonics Reviews</i> , 2022 , 16, 2100451	8.3	7
87	Single-shot phase retrieval based on anisotropic metasurface. <i>Applied Physics Letters</i> , 2022 , 120, 161702	3.4	0
86	Multifunctional acoustic holography based on compact acoustic geometric-phase meta-array. <i>Journal of Applied Physics</i> , 2022 , 131, 185108	2.5	3
85	Experimental verification of the acoustic geometric phase. <i>Applied Physics Letters</i> , 2022 , 120, 211702	3.4	2
84	Terahertz switchable VO ₂ -Au hybrid active metasurface holographic encryption. <i>Optics Express</i> , 2022 , 30, 20750	3.3	0
83	Thermally Reconfigurable Hologram Fabricated by Spatially Modulated Femtosecond Pulses on a Heat-Shrinkable Shape Memory Polymer for Holographic Multiplexing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 51736-51745	9.5	5
82	Fiber-optic meta-tip with multi-sensitivity resonance dips for humidity sensing. <i>Sensors and Actuators B: Chemical</i> , 2021 , 130957	8.5	3
81	Compact magnetic field sensor based on plasmonic fiber-tip. <i>Optics Express</i> , 2021 , 29, 38904-38914	3.3	0
80	Nonlinear Bicolor Holography Using Plasmonic Metasurfaces. <i>ACS Photonics</i> , 2021 , 8, 1013-1019	6.3	5
79	Liquid crystal integrated metadvice for reconfigurable hologram displays and optical encryption. <i>Optics Express</i> , 2021 , 29, 9553-9564	3.3	3

78	Magnetically controllable metasurface and its application. <i>Frontiers of Optoelectronics</i> , 2021 , 14, 154-169.	2.8	8
77	Tailoring Circular Dichroism for Simultaneous Control of Amplitude and Phase via Ohmic Dissipation Metasurface. <i>Advanced Optical Materials</i> , 2021 , 9, 2100140	8.1	9
76	Polarization and Holography Recording in Real- and k-Space Based on Dielectric Metasurface. <i>Advanced Functional Materials</i> , 2021 , 31, 2100406	15.6	16
75	Type-I Weyl points induced by negative coupling in photonic crystal. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	1
74	Spin-selective corner reflector for retro-reflection and absorption by a circular dichroitic manner. <i>Photonics Research</i> , 2021 , 9, 726	6	3
73	Optical secret sharing with cascaded metasurface holography. <i>Science Advances</i> , 2021 , 7,	14.3	30
72	Generation of Airy beam arrays in real and K spaces based on a dielectric metasurface. <i>Optics Express</i> , 2021 , 29, 18781-18790	3.3	7
71	Dynamic Display of Full-Stokes Vectorial Holography Based on Metasurfaces. <i>ACS Photonics</i> , 2021 , 8, 1746-1753	6.3	7
70	Code Division Multiplexing Inspired Dynamic Metasurface Holography. <i>Advanced Functional Materials</i> , 2021 , 31, 2103326	15.6	7
69	High-efficiency fabrication of computer-generated holograms in silica glass using a femtosecond Bessel beam. <i>Optics and Laser Technology</i> , 2021 , 135, 106729	4.2	1
68	Soil bacterial and fungal communities and associated nutrient cycling in relation to rice cultivation history after reclamation of natural wetland. <i>Land Degradation and Development</i> , 2021 , 32, 1287-1300	4.4	2
67	Achieving Broadband Spin-Correlated Asymmetric Reflection Using a Circular Dichroitic Meta-Mirror. <i>Annalen Der Physik</i> , 2021 , 533, 2000515	2.6	3
66	A deep learning approach for trustworthy high-fidelity computational holographic orbital angular momentum communication. <i>Applied Physics Letters</i> , 2021 , 119, 044104	3.4	4
65	Controllable Photonic Structures on Silicon-on-Insulator Devices Fabricated Using Femtosecond Laser Lithography. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43622-43631	9.5	2
64	Roadmap on Recent Progress in FINCH Technology. <i>Journal of Imaging</i> , 2021 , 7,	3.1	13
63	Stability enhancement of Cs ₃ Cu ₂ I ₅ powder with high blue emission realized by Na ⁺ doping strategy. <i>Journal of Luminescence</i> , 2021 , 239, 118333	3.8	6
62	Simultaneous control of amplitude and phase via shifting isotropy to anisotropy for achieving holographic meta-mirror. <i>Optics Express</i> , 2021 , 29, 43745	3.3	1
61	Switchable active phase modulation and holography encryption based on hybrid metasurfaces. <i>Nanophotonics</i> , 2020 , 9, 905-912	6.3	16

60	Optical wavefront shaping based on functional metasurfaces. <i>Nanophotonics</i> , 2020 , 9, 987-1002	6.3	17
59	Strongly Emissive Lead-Free 0D Cs ₃ Cu ₂ I ₅ Perovskites Synthesized by a Room Temperature Solvent Evaporation Crystallization for Down-Conversion Light-Emitting Devices and Fluorescent Inks. <i>Advanced Optical Materials</i> , 2020 , 8, 1901723	8.1	60
58	Nonlinear Wavefront Control by Geometric-Phase Dielectric Metasurfaces: Influence of Mode Field and Rotational Symmetry. <i>Advanced Optical Materials</i> , 2020 , 8, 1902050	8.1	13
57	Polarization-Encrypted Orbital Angular Momentum Multiplexed Metasurface Holography. <i>ACS Nano</i> , 2020 , 14, 5553-5559	16.7	65
56	All-dielectric bifocal isotropic metalens for a single-shot hologram generation device. <i>Optics Express</i> , 2020 , 28, 21549-21559	3.3	12
55	Creating a three-dimensional surface with antireflective properties by using femtosecond-laser Bessel-beam-assisted thermal oxidation. <i>Optics Letters</i> , 2020 , 45, 2989-2992	3	5
54	Highly luminescent and stable lead-free cesium copper halide perovskite powders for UV-pumped phosphor-converted light-emitting diodes. <i>Photonics Research</i> , 2020 , 8, 768	6	53
53	High-quality micropattern printing by interlacing-pattern holographic femtosecond pulses. <i>Nanophotonics</i> , 2020 , 9, 2895-2904	6.3	5
52	Giant polarization anisotropic optical response from anodic aluminum oxide templates embedded with plasmonic metamaterials. <i>Optics Express</i> , 2020 , 28, 29513-29528	3.3	
51	Stable blue-emissive aluminum acetylacetonate nanocrystals with high quantum yield of over 80% and embedded in polymer matrix for remote UV-pumped white light-emitting diodes. <i>Nanophotonics</i> , 2020 , 9, 1509-1518	6.3	1
50	Quantitatively Correlated Amplitude Holography Based on Photon Sieves. <i>Advanced Optical Materials</i> , 2020 , 8, 1901169	8.1	21
49	Second harmonic imaging of plasmonic Pancharatnam-Berry phase metasurfaces coupled to monolayers of WS ₂ . <i>Nanophotonics</i> , 2020 , 9, 351-360	6.3	12
48	A complex-amplitude hologram using an ultra-thin dielectric metasurface. <i>Nanoscale</i> , 2020 , 12, 24162-24168	7.1	12
47	Recent advances in multi-dimensional metasurfaces holographic technologies. <i>PhotoniX</i> , 2020 , 1,	19	72
46	Versatile Polarization Generation and Manipulation Using Dielectric Metasurfaces. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000116	8.3	49
45	Polarization Multiplexing Terahertz Metasurfaces through Spatial Femtosecond Laser-Shaping Fabrication. <i>Advanced Optical Materials</i> , 2020 , 8, 2000136	8.1	10
44	Probing the Photonic Spin-Orbit Interactions in the Near Field of Nanostructures. <i>Advanced Functional Materials</i> , 2019 , 29, 1902286	15.6	6
43	A Free-Space Orbital Angular Momentum Multiplexing Communication System Based on a Metasurface. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1800278	8.3	21

42	Nonreciprocal Asymmetric Polarization Encryption by Layered Plasmonic Metasurfaces. <i>Nano Letters</i> , 2019 , 19, 3976-3980	11.5	57
41	Silicon Metasurfaces for Third Harmonic Geometric Phase Manipulation and Multiplexed Holography. <i>Nano Letters</i> , 2019 , 19, 6585-6591	11.5	41
40	Four-Wave Mixing Holographic Multiplexing Based on Nonlinear Metasurfaces. <i>Advanced Optical Materials</i> , 2019 , 7, 1900782	8.1	18
39	Cylindrically Focused Nonablative Femtosecond Laser Processing of Long-Range Uniform Periodic Surface Structures with Tunable Diffraction Efficiency. <i>Advanced Optical Materials</i> , 2019 , 7, 1900706	8.1	25
38	Flash Ablation of Tunable and Deep-Subwavelength Nanogap by Using a Spatially Modulated Femtosecond Laser Pulse for Plasmonic Application. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4933-4941	5.6	4
37	High-efficiency Bessel beam array generation by Huygens metasurfaces. <i>Nanophotonics</i> , 2019 , 8, 1079-1085	8.5	29
36	Simultaneous Spectral and Spatial Modulation for Color Printing and Holography Using All-Dielectric Metasurfaces. <i>Nano Letters</i> , 2019 , 19, 8964-8971	11.5	63
35	Dynamic control of mode modulation and spatial multiplexing using hybrid metasurfaces. <i>Optics Express</i> , 2019 , 27, 18740-18750	3.3	10
34	Reconfigurable metasurface hologram by utilizing addressable dynamic pixels. <i>Optics Express</i> , 2019 , 27, 21153-21162	3.3	9
33	Soil bacterial community structure and extracellular enzyme activities under different land use types in a long-term reclaimed wetland. <i>Journal of Soils and Sediments</i> , 2019 , 19, 2543-2557	3.4	15
32	Near-field plasmonic beam engineering with complex amplitude modulation based on metasurface. <i>Applied Physics Letters</i> , 2018 , 112, 073104	3.4	20
31	Selective Diffraction with Complex Amplitude Modulation by Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2018 , 6, 1701181	8.1	36
30	Metasurface holography: from fundamentals to applications. <i>Nanophotonics</i> , 2018 , 7, 1169-1190	6.3	158
29	Nanoscale Polarization Manipulation and Encryption Based on Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2018 , 6, 1800490	8.1	32
28	Illusion and cloaking using dielectric conformal metasurfaces. <i>Optics Express</i> , 2018 , 26, 31625-31635	3.3	21
27	Multichannel vectorial holographic display and encryption. <i>Light: Science and Applications</i> , 2018 , 7, 95	16.7	167
26	Flexible Gray-Scale Surface Patterning Through Spatiotemporal-Interference-Based Femtosecond Laser Shaping. <i>Advanced Optical Materials</i> , 2018 , 6, 1801021	8.1	5
25	Controlled Synthesis and Flexible Self-Assembly of Monodisperse [email[protected]] Core/Shell Hetero-Nanocrystals into Diverse Superstructures. <i>Chemistry of Materials</i> , 2017 , 29, 2355-2363	9.6	29

24	Volumetric Generation of Optical Vortices with Metasurfaces. <i>ACS Photonics</i> , 2017 , 4, 338-346	6.3	77
23	High-efficiency broadband polarization converter based on E-shaped metasurface. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 454001	3	6
22	Broadband Multiplane Holography Based on Plasmonic Metasurface. <i>Advanced Optical Materials</i> , 2017 , 5, 1700434	8.1	53
21	Beam switching and bifocal zoom lensing using active plasmonic metasurfaces. <i>Light: Science and Applications</i> , 2017 , 6, e17016	16.7	210
20	Tunable wave plate based on active plasmonic metasurfaces. <i>Optics Express</i> , 2017 , 25, 4216-4226	3.3	38
19	Nanoscale material redistribution induced by spatially modulated femtosecond laser pulses for flexible high-efficiency surface patterning. <i>Optics Express</i> , 2017 , 25, 31431-31442	3.3	10
18	Tunable Multi-Port Surface Plasmon Polariton Excitation with Nanostructures. <i>Plasmonics</i> , 2016 , 11, 817-823	2.4	1
17	Amplitude- and Phase-Controlled Surface Plasmon Polariton Excitation with Metasurfaces. <i>ACS Photonics</i> , 2016 , 3, 124-129	6.3	39
16	Flux and its seasonal variation of suspended particulate matter in the Bohai Sea, Yellow Sea and East China Sea. <i>Geological Journal</i> , 2016 , 51, 22-34	1.7	13
15	Broadband Hybrid Holographic Multiplexing with Geometric Metasurfaces. <i>Advanced Materials</i> , 2015 , 27, 6444-9	24	136
14	Ultrathin Metasurface Laser Beam Shaper. <i>Advanced Optical Materials</i> , 2014 , 2, 978-982	8.1	55
13	Three-dimensional optical holography using a plasmonic metasurface. <i>Nature Communications</i> , 2013 , 4,	17.4	844
12	Helicity dependent directional surface plasmon polariton excitation using a metasurface with interfacial phase discontinuity. <i>Light: Science and Applications</i> , 2013 , 2, e70-e70	16.7	399
11	Reversible Three-Dimensional Focusing of Visible Light with Ultrathin Plasmonic Flat Lens. <i>Advanced Optical Materials</i> , 2013 , 1, 517-521	8.1	53
10	Dispersionless phase discontinuities for controlling light propagation. <i>Nano Letters</i> , 2012 , 12, 5750-5	11.5	649
9	Dual-polarity plasmonic metalens for visible light. <i>Nature Communications</i> , 2012 , 3, 1198	17.4	745
8	Integrated plasmonic semi-circular launcher for dielectric-loaded surface plasmon-polariton waveguide. <i>Optics Express</i> , 2011 , 19, 6541-8	3.3	20
7	Single-layer one-dimensional nonpolarizing guided-mode resonance filters under normal incidence. <i>Optics Letters</i> , 2011 , 36, 2411-3	3	52

6	Linear birefringence magnitude of artificial self-assembled DNA crystals. <i>Optical Materials Express</i> , 2011 , 1, 936-942	2.6	1
5	Acoustic Geometric-Phase Meta-Array. <i>New Journal of Physics</i> ,	2.9	3
4	Microwave-assisted furfural production from xylose and bamboo hemicellulose in a biphasic medium. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	2
3	Rotational Multiplexing Method Based on Cascaded Metasurface Holography. <i>Advanced Optical Materials</i> ,2102166	8.1	6
2	Controllable Polarization and Diffraction Modulated Multi-Functionality Based on Metasurface. <i>Advanced Optical Materials</i> ,2102596	8.1	5
1	Independent Light Field Manipulation in Diffraction Orders of Metasurface Holography. <i>Laser and Photonics Reviews</i> ,2100592	8.3	6