

# Jun Luo

## List of Publications by Year in descending order

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36  
papers

1,177  
citations

567281

15  
h-index

377865

34  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1320  
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Dielectric Metasurfaces for Simultaneous Giant Circular Asymmetric Transmission and Wavefront Shaping Based on Asymmetric Photonic Spin-Orbit Interactions. <i>Advanced Functional Materials</i> , 2017, 27, 1704295.	14.9	273
2	Multistate Switching of Photonic Angular Momentum Coupling in Phase-Change Metadevices. <i>Advanced Materials</i> , 2020, 32, e1908194.	21.0	88
3	Generation and detection of orbital angular momentum via metasurface. <i>Scientific Reports</i> , 2016, 6, 24286.	3.3	86
4	Multi-Channel Vortex Beam Generation by Simultaneous Amplitude and Phase Modulation with Two-Dimensional Metamaterial. <i>Advanced Materials Technologies</i> , 2017, 2, 1600201.	5.8	85
5	Fabrication of anisotropically arrayed nano-slots metasurfaces using reflective plasmonic lithography. <i>Nanoscale</i> , 2015, 7, 18805-18812.	5.6	74
6	Colorful Metahologram with Independently Controlled Images in Transmission and Reflection Spaces. <i>Advanced Functional Materials</i> , 2019, 29, 1809145.	14.9	65
7	Visible light-activated self-powered photoelectrochemical aptasensor for ultrasensitive chloramphenicol detection based on DFT-proved Z-scheme Ag <sub>2</sub> CrO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> /graphene oxide. <i>Journal of Hazardous Materials</i> , 2021, 401, 123395.	12.4	59
8	Recent Advances towards Ocean Energy Harvesting and Self-Powered Applications Based on Triboelectric Nanogenerators. <i>Advanced Electronic Materials</i> , 2021, 7, 2100277.	5.1	58
9	Novel hollow $\pm$ -Fe <sub>2</sub> O <sub>3</sub> nanofibers via electrospinning for dye adsorption. <i>Nanoscale Research Letters</i> , 2015, 10, 176.	5.7	50
10	Large-area, broadband and high-efficiency near-infrared linear polarization manipulating metasurface fabricated by orthogonal interference lithography. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	45
11	Sedative and hypnotic effects of compound Anshen essential oil inhalation for insomnia. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 306.	3.7	43
12	Broadband Functional Metasurfaces: Achieving Nonlinear Phase Generation toward Achromatic Surface Cloaking and Lensing. <i>Advanced Optical Materials</i> , 2019, 7, 1801480.	7.3	43
13	Wavelength-selective orbital angular momentum generation based on a plasmonic metasurface. <i>Nanoscale</i> , 2016, 8, 12267-12271.	5.6	20
14	Transmission-Reflection-Integrated Quadratic Phase Metasurface for Multifunctional Electromagnetic Manipulation in Full Space. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	20
15	A fast motion estimation algorithm based on adaptive pattern and search priority. <i>Multimedia Tools and Applications</i> , 2015, 74, 11821-11836.	3.9	19
16	A method for axis straightness error evaluation based on improved artificial bee colony algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 71, 1501-1509.	3.0	16
17	Self-assembled metamaterial perfect absorbers at visible wavelengths using core-shell Au@SiO <sub>2</sub> meta-atoms. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12876-12885.	5.5	14
18	An Ultrabroadband THz Absorber Based on Structured Doped Silicon With Antireflection Techniques. <i>IEEE Photonics Journal</i> , 2018, 10, 1-10.	2.0	13

#	ARTICLE	IF	CITATIONS
19	A New Mechanical Resonance Suppression Method for Large Optical Telescope by Using Nonlinear Active Disturbance Rejection Control. <i>IEEE Access</i> , 2019, 7, 94400-94414.	4.2	12
20	Linear and star branched perylene-containing polyimides: Synthesis, characterization, and photovoltaic properties of novel donor-acceptor dyes used in solar cell. <i>Journal of Applied Polymer Science</i> , 2012, 125, 200-211.	2.6	11
21	Switchable Quarter-Wave Plate and Half-Wave Plate Based on Phase-Change Metasurface. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	2.0	11
22	A method for axis straightness error evaluation based on improved differential evolution algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 413-425.	3.0	8
23	Joint connection of experiment and simulation for photocatalytic hydrogen evolution: strength, weakness, validation and complementarity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6749-6774.	10.3	8
24	Effect of salt stress on photosynthesis and related physiological characteristics of <i>Lycium ruthenicum</i> Murr. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2017, 67, 680-692.	0.6	7
25	Reflector automatic acquisition and pointing based on auto-collimation theodolite. <i>Review of Scientific Instruments</i> , 2018, 89, 015101.	1.3	7
26	Effect of Zhenxin Xingshui Yizhi Fang on $\text{AT}^{25-35}$ induced expression of related transporters in HBMEC cell model. <i>Journal of Ethnopharmacology</i> , 2020, 260, 112783.	4.1	7
27	Polarization Filtering and Phase Controlling Metasurfaces Based on a Metal-Insulator-Metal Grating. <i>Plasmonics</i> , 2017, 12, 1797-1803.	3.4	6
28	Ultrathin Planar Microlens Arrays Based on Geometric Metasurface. <i>Annalen Der Physik</i> , 2018, 530, 1700326.	2.4	6
29	Automatic Defect Detection for Small Metal Cylindrical Shell Using Transfer Learning and Logistic Regression. <i>Journal of Nondestructive Evaluation</i> , 2020, 39, 1.	2.4	5
30	Reverse guidance butterfly optimization algorithm integrated with information cross-sharing. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 41, 3463-3484.	1.4	5
31	Metasurfaces: All-Dielectric Metasurfaces for Simultaneous Giant Circular Asymmetric Transmission and Wavefront Shaping Based on Asymmetric Photonic Spin-Orbit Interactions ( <i>Adv. Funct. Mater.</i> ) Tj ETQq1 1 047843144gBT /Ov		
32	Tailoring Infrared Refractory Plasmonic Material to Broadband Circularly Polarized Thermal Emitter. <i>Plasmonics</i> , 2017, 12, 649-654.	3.4	4
33	Catenary Optics: Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas ( <i>Adv. Sci.</i> 7/2019). <i>Advanced Science</i> , 2019, 6, 1970038.	11.2	2
34	Mutual Information-Based Tracking for Multiple Cameras and Multiple Planes. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 3451-3463.	3.0	1
35	High Precision Position Control of Telescope Servo Systems Based on Active Disturbance Rejection Controller. , 2019, , .		1
36	Research on image restoration algorithm for atmospheric turbulence degradation based on serial images. , 2020, , .		1