

# Junjie Li

## List of Publications by Citations

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84  
papers

1,776  
citations

26  
h-index

39  
g-index

87  
ext. papers

2,273  
ext. citations

7.7  
avg, IF

4.93  
L-index

#	Paper	IF	Citations
84	Simultaneous Control of Light Polarization and Phase Distributions Using Plasmonic Metasurfaces. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 704-710	15.6	150
83	High-Quality-Factor Mid-Infrared Toroidal Excitation in Folded 3D Metamaterials. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606298	24	89
82	Directly patterned substrate-free plasmonic nanograting structures with unusual Fano resonances. <i>Light: Science and Applications</i> , <b>2015</b> , 4, e308-e308	16.7	84
81	Demonstration of Orbital Angular Momentum Multiplexing and Demultiplexing Based on a Metasurface in the Terahertz Band. <i>ACS Photonics</i> , <b>2018</b> , 5, 1726-1732	6.3	61
80	Three Dimensional Hybrids of Vertical Graphene-nanosheet Sandwiched by Ag-nanoparticles for Enhanced Surface Selectively Catalytic Reactions. <i>Scientific Reports</i> , <b>2015</b> , 5, 16019	4.9	57
79	High-Performance Broadband Circularly Polarized Beam Deflector by Mirror Effect of Multinanoscale Metasurfaces. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 5428-5434	15.6	53
78	Sub-5 nm Metal Nanogaps: Physical Properties, Fabrication Methods, and Device Applications. <i>Small</i> , <b>2019</b> , 15, e1804177	11	53
77	Spin-Selective Transmission in Chiral Folded Metasurfaces. <i>Nano Letters</i> , <b>2019</b> , 19, 3432-3439	11.5	50
76	Robust adhesion of flower-like few-layer graphene nanoclusters. <i>Scientific Reports</i> , <b>2012</b> , 2, 511	4.9	49
75	Single grain boundary break junction for suspended nanogap electrodes with gapwidth down to 1-2 nm by focused ion beam milling. <i>Advanced Materials</i> , <b>2015</b> , 27, 3002-6	24	46
74	Temperature-dependent Raman investigation on suspended graphene: Contribution from thermal expansion coefficient mismatch between graphene and substrate. <i>Carbon</i> , <b>2016</b> , 104, 27-32	10.4	46
73	Broadband diodelike asymmetric transmission of linearly polarized light in ultrathin hybrid metamaterial. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 201103	3.4	45
72	Fano resonance Rabi splitting of surface plasmons. <i>Scientific Reports</i> , <b>2017</b> , 7, 8010	4.9	43
71	Enhanced polarization-sensitive terahertz emission from vertically grown graphene by a dynamical photon drag effect. <i>Nanoscale</i> , <b>2017</b> , 9, 10301-10311	7.7	41
70	Single-Layer Plasmonic Metasurface Half-Wave Plates with Wavelength-Independent Polarization Conversion Angle. <i>ACS Photonics</i> , <b>2017</b> , 4, 2061-2069	6.3	39
69	Thickness-Dependently Enhanced Photodetection Performance of Vertically Grown SnS Nanoflakes with Large Size and High Production. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18073-18081	9.5	39
68	Bidirectional Perfect Absorber Using Free Substrate Plasmonic Metasurfaces. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700152	8.1	36

67	Thick solid electrolyte interphases grown on silicon nanocone anodes during slow cycling and their negative effects on the performance of Li-ion batteries. <i>Nanoscale</i> , <b>2015</b> , 7, 7651-8	7.7	36
66	Graphene/metamaterial hybridization for enhanced terahertz response. <i>Carbon</i> , <b>2014</b> , 78, 102-112	10.4	36
65	3D conductive coupling for efficient generation of prominent Fano resonances in metamaterials. <i>Scientific Reports</i> , <b>2016</b> , 6, 27817	4.9	35
64	Realization of a near-infrared active Fano-resonant asymmetric metasurface by precisely controlling the phase transition of GeSbTe. <i>Nanoscale</i> , <b>2020</b> , 12, 8758-8767	7.7	33
63	Nanocracking and metallization doubly defined large-scale 3D plasmonic sub-10 nm-gap arrays as extremely sensitive SERS substrates. <i>Nanoscale</i> , <b>2018</b> , 10, 3171-3180	7.7	30
62	Excitation of ultrasharp trapped-mode resonances in mirror-symmetric metamaterials. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	30
61	Surface Plasmon Polariton Mediated Multiple Toroidal Resonances in 3D Folding Metamaterials. <i>ACS Photonics</i> , <b>2017</b> , 4, 2650-2658	6.3	28
60	Wafer-scale double-layer stacked Au/Al <sub>2</sub> O <sub>3</sub> @Au nanosphere structure with tunable nanospacing for surface-enhanced Raman scattering. <i>Small</i> , <b>2014</b> , 10, 3933-42	11	28
59	Folding 2D Structures into 3D Configurations at the Micro/Nanoscale: Principles, Techniques, and Applications. <i>Advanced Materials</i> , <b>2019</b> , 31, e1802211	24	27
58	Ultrafast carrier transfer evidencing graphene electromagnetically enhanced ultrasensitive SERS in graphene/Ag-nanoparticles hybrid. <i>Carbon</i> , <b>2017</b> , 122, 98-105	10.4	26
57	Quasi-2D Transport and Weak Antilocalization Effect in Few-layered VSe. <i>Nano Letters</i> , <b>2019</b> , 19, 4551-4559	26	26
56	Simultaneous excitation of extremely high-Q-factor trapped and octupolar modes in terahertz metamaterials. <i>Optics Express</i> , <b>2017</b> , 25, 15938-15946	3.3	25
55	A Well-Defined Silicon Nanocone-Carbon Structure for Demonstrating Exclusive Influences of Carbon Coating on Silicon Anode of Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2806-2814	9.5	24
54	Vertical few-layer graphene/metalized Si-nanocone arrays as 3D electrodes for solid-state supercapacitors with large areal capacitance and superior rate capability. <i>Applied Surface Science</i> , <b>2017</b> , 404, 238-245	6.7	20
53	Effect of inhomogeneity and plasmons on terahertz radiation from GaAs (1 0 0) surface coated with rough Au film. <i>Applied Surface Science</i> , <b>2013</b> , 285, 853-857	6.7	20
52	Electromechanically reconfigurable optical nano-kirigami. <i>Nature Communications</i> , <b>2021</b> , 12, 1299	17.4	19
51	Anisotropic expansion and size-dependent fracture of silicon nanotubes during lithiation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15113-15122	13	18
50	Floral-clustered few-layer graphene nanosheet array as high performance field emitter. <i>Nanoscale</i> , <b>2012</b> , 4, 6383-8	7.7	17

49	Intrinsic Chirality and Multispectral Spin-Selective Transmission in Folded Eta-Shaped Metamaterials. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901448	8.1	17
48	Diameter-optimized high-order waveguide nanorods for fluorescence enhancement applied in ultrasensitive bioassays. <i>Nanoscale</i> , <b>2019</b> , 11, 14322-14329	7.7	16
47	Broadband cross-polarization conversion by symmetry-breaking ultrathin metasurfaces. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 241108	3.4	16
46	Broadband and Polarization-Insensitive Absorption Based on a Set of Multisized FabryPerot-like Resonators. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 13856-13862	3.8	15
45	Multidimensional Image and Beam Splitter Based on Hyperbolic Metamaterials. <i>Nano Letters</i> , <b>2021</b> , 21, 1792-1799	11.5	13
44	Tunable near-infrared perfect absorber based on the hybridization of phase-change material and nanocross-shaped resonators. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 231103	3.4	13
43	Giant Intrinsic Chirality in Curled Metasurfaces. <i>ACS Photonics</i> , <b>2020</b> , 7, 3415-3422	6.3	12
42	Multispectral plasmon-induced transparency in hyperfine terahertz meta-molecules. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 445002	1.8	11
41	Single-crystal SnO(2) nanoshuttles: shape-controlled synthesis, perfect flexibility and high-performance field emission. <i>Nanotechnology</i> , <b>2011</b> , 22, 505601	3.4	11
40	Titanium dioxide metasurface manipulating high-efficiency and broadband photonic spin Hall effect in visible regime. <i>Nanophotonics</i> , <b>2020</b> , 9, 4327-4335	6.3	10
39	Subwavelength optical localization with toroidal excitations in plasmonic and Mie metamaterials. <i>Information Materials</i> , <b>2021</b> , 3, 577-597	23.1	10
38	Circular-Photon-Drag-Effect-Induced Elliptically Polarized Terahertz Emission from Vertically Grown Graphene. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	9
37	Rapid templated fabrication of large-scale, high-density metallic nanocone arrays and SERS applications. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 9987-9992	7.1	9
36	Large-scale ordered silicon microtube arrays fabricated by Poisson spot lithography. <i>Nanotechnology</i> , <b>2011</b> , 22, 395301	3.4	9
35	Side-by-side observation of the interfacial improvement of vertical graphene-coated silicon nanocone anodes for lithium-ion batteries by patterning technology. <i>Nanoscale</i> , <b>2017</b> , 9, 17241-17247	7.7	9
34	Asymmetrical Chirality in 3D Bended Metasurface. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100689	15.6	9
33	Ultrafast terahertz response in photoexcited, vertically grown few-layer graphene. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 121904	3.4	9
32	Rapid Bending Origami in Micro/Nanoscale toward a Versatile 3D Metasurface. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 1900179	8.3	8

31	Generation of Airy beam arrays in real and K spaces based on a dielectric metasurface. <i>Optics Express</i> , <b>2021</b> , 29, 18781-18790	3.3	7
30	Dynamic Display of Full-Stokes Vectorial Holography Based on Metasurfaces. <i>ACS Photonics</i> , <b>2021</b> , 8, 1746-1753	6.3	7
29	Direct Experimental Evidence of Biomimetic Surfaces with Chemical Modifications Interfering with Adhesive Protein Adsorption. <i>Molecules</i> , <b>2018</b> , 24,	4.8	7
28	Multiplexed Generation of Generalized Vortex Beams with On-Demand Intensity Profiles Based on Metasurfaces. <i>Laser and Photonics Reviews</i> , <b>2022</b> , 16, 2100451	8.3	7
27	Rapidly fabricating large-scale plasmonic silver nanosphere arrays with sub-20 nm gap on Si-pyramids by inverted annealing for highly sensitive SERS detection. <i>RSC Advances</i> , <b>2017</b> , 7, 11578-11584	3.7	6
26	The design and performance of hydrogen-terminated diamond metal-oxide-semiconductor field-effect transistors with high k oxide HfO <sub>2</sub> . <i>Micro and Nano Engineering</i> , <b>2020</b> , 6, 100046	3.4	6
25	Independent tuning of bright and dark meta-atoms with phase change materials on EIT metasurfaces. <i>Nanoscale</i> , <b>2020</b> , 12, 10065-10071	7.7	6
24	Dual-gate field effect transistor based on ZnO nanowire with high-K gate dielectrics. <i>Microelectronic Engineering</i> , <b>2012</b> , 98, 343-346	2.5	6
23	Independent Light Field Manipulation in Diffraction Orders of Metasurface Holography. <i>Laser and Photonics Reviews</i> , 2100592	8.3	6
22	Multiplexed Nondiffracting Nonlinear Metasurfaces. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910744	15.6	5
21	Controllable Polarization and Diffraction Modulated Multi-Functionality Based on Metasurface. <i>Advanced Optical Materials</i> , 2102596	8.1	5
20	Full-Stokes polarization transformations and time sequence metasurface holographic display. <i>Photonics Research</i> , <b>2022</b> , 10, 1031	6	5
19	Two Kinds of Metastable Structures in an Epitaxial Lanthanum Cobalt Oxide Thin Film. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 13440-13445	5.1	4
18	Plasmonic Hybrids of MoS <sub>2</sub> and 10-nm Nanogap Arrays for Photoluminescence Enhancement. <i>Micromachines</i> , <b>2020</b> , 11,	3.3	3
17	Precise tailoring of multiple nanostructures based on atomic layer assembly via versatile soft-templates. <i>Nano Today</i> , <b>2021</b> , 38, 101145	17.9	3
16	Polarization-Multiplexed Silicon Metasurfaces for Multi-Channel Visible Light Modulation. <i>Advanced Functional Materials</i> , 2200013	15.6	3
15	Thickness dependence of superconductivity in single-crystal Ta <sub>4</sub> Pd <sub>3</sub> Te <sub>16</sub> nanoribbons. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 022603	3.4	2
14	Micro-Defects in Monolayer MoS <sub>2</sub> Studied by Low-Temperature Magneto-Raman Mapping. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 17418-17422	3.8	2

13	Transfer-free synthesis of multilayer graphene on silicon nitride using reusable gallium catalyst. <i>Diamond and Related Materials</i> , <b>2019</b> , 91, 112-118	3.5	2
12	Bond length fluctuation in perovskite chromate SrCrO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 075106	2.5	1
11	High sensitive refractive index sensor based on spatial symmetry breaking Fano metamaterials fabricated by ion beam irradiation. <i>Micro and Nano Engineering</i> , <b>2020</b> , 9, 100076	3.4	1
10	Abnormal Rheological Phenomena in Newtonian Fluids in Electroosmotic Flows in a Nanocapillary. <i>Langmuir</i> , <b>2018</b> , 34, 15203-15210	4	1
9	Arbitrary amplitude and phase control in visible by dielectric metasurface.. <i>Optics Express</i> , <b>2022</b> , 30, 13530-13539	3.5	0
8	Flexible Confinement and Manipulation of Mie Resonances via Nano Rectangular Hollow Metasurfaces. <i>Advanced Optical Materials</i> , 2200185	8.1	1
7	Atomic Layer Assembly Based on Sacrificial Templates for 3D Nanofabrication. <i>Micromachines</i> , <b>2022</b> , 13, 856	3.3	1
6	Plasmonic Effect on the Magneto-Optical Property of Monolayer WS <sub>2</sub> Studied by Polarized-Raman Spectroscopy. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1599	2.6	0
5	Single-shot phase retrieval based on anisotropic metasurface. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 161702	3.4	0
4	Bidirectional Origami Inspiring Versatile 3D Metasurface. <i>Advanced Materials Technologies</i> , 2200373	6.8	0
3	Interdigitated silver nanoelectrode arrays: a surface-enhanced Raman scattering platform for monitoring the reorientation of molecules under an external electric field. <i>Journal of Micromechanics and Microengineering</i> , <b>2019</b> , 29, 124002	2	0
2	Strain lithography for two-dimensional materials by electron irradiation. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 093104	3.4	0
1	Semi-custom methodology to fabricate transmission electron microscopy chip for in situ characterization of nanodevices and nanomaterials. <i>Science China Technological Sciences</i> , 1	3.5	0