

Sheng Liu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

3,686
citations

394421

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713466

21
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23
all docs

23
docs citations

23
times ranked

3348
citing authors

#	ARTICLE	IF	CITATIONS
1	Manipulation of quantum dot emission with semiconductor metasurfaces exhibiting magnetic quadrupole resonances. Optics Express, 2021, 29, 5567.	3.4	6
2	Dark-State-Based Low-Loss Metasurfaces with Simultaneous Electric and Magnetic Resonant Response. ACS Photonics, 2020, 7, 241-248.	6.6	3
3	Nonlinear and ultrafast effects. , 2020, , 223-248.		2
4	Frequency Conversion in a Time-Variant Dielectric Metasurface. Nano Letters, 2020, 20, 7052-7058.	9.1	45
5	Low-Power Absorption Saturation in Semiconductor Metasurfaces. ACS Photonics, 2019, 6, 2797-2806.	6.6	25
6	All-optical tuning of symmetry protected quasi bound states in the continuum. Applied Physics Letters, 2019, 115, .	3.3	36
7	All-Dielectric Metasurfaces: Optical Nonlinearities and Emission Control. , 2019, , .		0
8	Enhanced Second-Harmonic Generation Using Broken Symmetry IIIâ€™V Semiconductor Fano Metasurfaces. ACS Photonics, 2018, 5, 1685-1690.	6.6	204
9	Polarization-Dependent Second Harmonic Diffraction from Resonant GaAs Metasurfaces. ACS Photonics, 2018, 5, 1786-1793.	6.6	74
10	Light-Emitting Metasurfaces: Simultaneous Control of Spontaneous Emission and Far-Field Radiation. Nano Letters, 2018, 18, 6906-6914.	9.1	126
11	An all-dielectric metasurface as a broadband optical frequency mixer. Nature Communications, 2018, 9, 2507.	12.8	173
12	Ultrafast all-optical tuning of direct-gap semiconductor metasurfaces. Nature Communications, 2017, 8, 17.	12.8	300
13	Huygensâ€™ Metasurfaces Enabled by Magnetic Dipole Resonance Tuning in Split Dielectric Nanoresonators. Nano Letters, 2017, 17, 4297-4303.	9.1	66
14	IIIâ€™V Semiconductor Nanoresonatorsâ€™ A New Strategy for Passive, Active, and Nonlinear Allâ€™Dielectric Metamaterials. Advanced Optical Materials, 2016, 4, 1457-1462.	7.3	82
15	Resonantly Enhanced Second-Harmonic Generation Using IIIâ€™V Semiconductor All-Dielectric Metasurfaces. Nano Letters, 2016, 16, 5426-5432.	9.1	341
16	Broken Symmetry Dielectric Resonators for High Quality Factor Fano Metasurfaces. ACS Photonics, 2016, 3, 2362-2367.	6.6	271
17	Efficient Polarization-Insensitive Complex Wavefront Control Using Huygensâ€™ Metasurfaces Based on Dielectric Resonant Meta-atoms. ACS Photonics, 2016, 3, 514-519.	6.6	229
18	Shaping Photoluminescence Spectra with Magnetoelectric Resonances in All-Dielectric Nanoparticles. ACS Photonics, 2015, 2, 172-177.	6.6	120

#	ARTICLE	IF	CITATIONS
19	Phased-array sources based on nonlinear metamaterial nanocavities. Nature Communications, 2015, 6, 7667.	12.8	115
20	Polarization-Independent Silicon Metadevices for Efficient Optical Wavefront Control. Nano Letters, 2015, 15, 5369-5374.	9.1	344
21	Optical magnetic mirrors without metals. Optica, 2014, 1, 250.	9.3	188
22	Tailoring Directional Scattering through Magnetic and Electric Resonances in Subwavelength Silicon Nanodisks. ACS Nano, 2013, 7, 7824-7832.	14.6	917
23	Realization of tellurium-based all dielectric optical metamaterials using a multi-cycle deposition-etch process. Applied Physics Letters, 2013, 102, 161905.	3.3	19