

Qian Wang

List of Publications by Year in descending order

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39
papers

2,988
citations

394421

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docs citations

39
times ranked

3847
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarization-Controlled Tunable Directional Coupling of Surface Plasmon Polaritons. <i>Science</i> , 2013, 340, 331-334.	12.6	1,021
2	Optically reconfigurable metasurfaces and photonic devices based on phase change materials. <i>Nature Photonics</i> , 2016, 10, 60-65.	31.4	918
3	Tunable and reconfigurable metasurfaces and metadevices. <i>Opto-Electronic Advances</i> , 2018, 1, 18000901-18000925.	13.3	272
4	On-chip photonic Fourier transform with surface plasmon polaritons. <i>Light: Science and Applications</i> , 2016, 5, e16034-e16034.	16.6	58
5	Beam engineering of quantum cascade lasers. <i>Laser and Photonics Reviews</i> , 2012, 6, 24-46.	8.7	56
6	1.7 Gbit/in.2 gray-scale continuous-phase-change femtosecond image storage. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	55
7	Surface plasmon polaritons generated by optical vortex beams. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	50
8	High-resolution wide-field standing-wave surface plasmon resonance fluorescence microscopy with optical vortices. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	50
9	Mapping plasmonic near-field profiles and interferences by surface-enhanced Raman scattering. <i>Scientific Reports</i> , 2013, 3, 3064.	3.3	47
10	Photonâ€nâ€nanosieve for ultrabroadband and largeâ€nâ€angleâ€nâ€ofâ€nâ€view holograms. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700025.	8.7	43
11	Ultra-high extinction-ratio light modulation by electrically tunable metasurface using dual epsilon-near-zero resonances. <i>Opto-Electronic Advances</i> , 2021, 4, 200088-200088.	13.3	32
12	Subwavelength-Sized Plasmonic Structures for Wide-Field Optical Microscopic Imaging with Super-Resolution. <i>Plasmonics</i> , 2012, 7, 427-433.	3.4	29
13	High-resolution 2D plasmonic fan-out realized by subwavelength slit arrays. <i>Optics Express</i> , 2010, 18, 2662.	3.4	28
14	Phase modulation of surface plasmon polaritons by surface relief dielectric structures. <i>Optics Express</i> , 2008, 16, 19271.	3.4	25
15	Analysis of surface plasmon interference pattern formed by optical vortex beams. <i>Optics Express</i> , 2008, 16, 18451.	3.4	23
16	Phase singularity of surface plasmon polaritons generated by optical vortices. <i>Optics Letters</i> , 2011, 36, 3287.	3.3	23
17	Controlling thermal emission of phonon by magnetic metasurfaces. <i>Scientific Reports</i> , 2017, 7, 41858.	3.3	23
18	Manipulation of surface plasmon polaritons by phase modulation of incident light. <i>Optics Express</i> , 2011, 19, 224.	3.4	22

#	ARTICLE	IF	CITATIONS
19	Reconfigurable phase-change photomask for grayscale photolithography. Applied Physics Letters, 2017, 110, .	3.3	22
20	Experimental study of plasmonic structures with variant periods for sub-wavelength focusing: analyses of characterization errors. Journal of Modern Optics, 2009, 56, 1550-1556.	1.3	19
21	A dynamic plasmonic manipulation technique assisted by phase modulation of an incident optical vortex beam. Nanotechnology, 2012, 23, 385204.	2.6	18
22	Multistate Tuning of Third Harmonic Generation in Fano-Resonant Hybrid Dielectric Metasurfaces. Advanced Functional Materials, 2021, 31, 2104627.	14.9	17
23	Singular diffraction-free surface plasmon beams generated by overlapping phase-shifted sources. Optics Letters, 2013, 38, 1182.	3.3	16
24	Mode-matching metasurfaces: coherent reconstruction and multiplexing of surface waves. Scientific Reports, 2015, 5, 10529.	3.3	16
25	Reconfigurable optical manipulation by phase change material waveguides. Nanoscale, 2017, 9, 6895-6900.	5.6	15
26	Dynamic generation of plasmonic Moiré fringes using phase-engineered optical vortex beam. Optics Letters, 2012, 37, 2715.	3.3	14
27	Self-imaging generation of plasmonic void arrays. Optics Letters, 2013, 38, 2783.	3.3	14
28	Coherently tunable metalens tweezers for optofluidic particle routing. Optics Express, 2020, 28, 38949.	3.4	14
29	Electrostatically Tunable Near-Infrared Plasmonic Resonances in Solution-Processed Atomically Thin NbSe ₂ . Advanced Materials, 2021, 33, e2101950.	21.0	11
30	Dynamic surface plasmon patterns generated by reconfigurable cogwheel-shaped beams. Applied Physics Letters, 2008, 93, 181102.	3.3	10
31	Surface plasmon converging and diverging properties modulated by polymer refractive structures on metal films. Optics Express, 2009, 17, 11315.	3.4	7
32	Germanium-Carbon Surface Phonon-Polariton Infrared Metamaterial. Advanced Optical Materials, 2021, 9, 2001652.	7.3	7
33	Controllable Polarization-Insensitive and Large-Angle Beam Switching with Phase-Change Metasurfaces. Advanced Optical Materials, 2022, 10, .	7.3	7
34	Deterministic relief dielectric structures to realize phase modulation of surface-plasmon polaritons. Optics Letters, 2010, 35, 4196.	3.3	3
35	Spin-to-orbital angular momentum conversion in symmetric dielectric nanorings. Applied Physics Letters, 2021, 118, 161106.	3.3	3
36	Binary surface plasmon hologram: An in-plane Airy plasmon generator. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	WATER-IMMERSION DEEP-SUBWAVELENGTH SURFACE PLASMON VIRTUAL PROBES. Journal of Molecular and Engineering Materials, 2014, 02, 1440010.	1.8	0
38	2D cognitive optical data processing with phase change materials. , 2014, , .		0
39	Far-field controllable excitation of phonon polariton via nanostructure engineering. Optics Express, 2020, 28, 39156.	3.4	0