

# Zhiqiang Guan

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,422  
citations

430874

18  
h-index

454955

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1604  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Raman Probing of Hot-Electron Transfer at Gold-Graphene Interfaces with Atomic Layer Accuracy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24
2	Multifold Integration of Printed and Holographic Meta-Image Displays Enabled by Dual-Degeneracy. <i>Small</i> , 2022, 18, e2106148.	10.0	22
3	A high speed electrically switching reflective structural color display with large color gamut. <i>Nanoscale</i> , 2021, 13, 1164-1171.	5.6	8
4	Controlling the immobilization process of an optically enhanced protein microarray for highly reproducible immunoassay. <i>Nanoscale</i> , 2021, 13, 4269-4277.	5.6	1
5	Single-celled multifunctional metasurfaces merging structural-color nanoprinting and holography. <i>Optics Express</i> , 2021, 29, 10737.	3.4	20
6	Ultrathin, broadband, omnidirectional, and polarization-independent infrared absorber using all-dielectric refractory materials. <i>Nanophotonics</i> , 2021, 10, 1683-1690.	6.0	16
7	Asymmetric hologram with a single-size nanostructured metasurface. <i>Optics Express</i> , 2021, 29, 19964.	3.4	17
8	Switchable Electrically Driven Optical Antenna Based on Ultrathin Amorphous Silica. <i>Advanced Optical Materials</i> , 2021, 9, 2100191.	7.3	5
9	Non-orthogonal polarization multiplexed metasurfaces for tri-channel polychromatic image displays and information encryption. <i>Nanophotonics</i> , 2021, 10, 2903-2914.	6.0	31
10	Multiplexing meta-hologram with separate control of amplitude and phase. <i>Optics Express</i> , 2021, 29, 27696.	3.4	16
11	A top-down fabricated gold nanostrip on a silicon-on-insulator wafer: a promising building block towards ultra-compact optical devices. <i>Nanoscale</i> , 2021, 13, 1904-1914.	5.6	1
12	Giant photothermoelectric effect in silicon nanoribbon photodetectors. <i>Light: Science and Applications</i> , 2020, 9, 120.	16.6	24
13	A Single-Celled Tri-Functional Metasurface Enabled with Triple Manipulations of Light. <i>Advanced Functional Materials</i> , 2020, 30, 2003990.	14.9	71
14	Malus-metasurface-assisted polarization multiplexing. <i>Light: Science and Applications</i> , 2020, 9, 101.	16.6	176
15	In Situ Raman Monitoring and Manipulating of Interfacial Hydrogen Spillover by Precise Fabrication of Au/TiO <sub>2</sub> /Pt Sandwich Structures. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10343-10347.	13.8	70
16	In Situ Raman Monitoring and Manipulating of Interfacial Hydrogen Spillover by Precise Fabrication of Au/TiO <sub>2</sub> /Pt Sandwich Structures. <i>Angewandte Chemie</i> , 2020, 132, 10429-10433.	2.0	44
17	Multiplexed Anticounterfeiting Meta-image Displays with Single-Sized Nanostructures. <i>Nano Letters</i> , 2020, 20, 1830-1838.	9.1	142
18	Three-Channel Metasurfaces for Simultaneous Meta-Holography and Meta-Nanoprinting: A Single-Cell Design Approach. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000032.	8.7	110

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19	Zero-order-free meta-holograms in a broadband visible range. <i>Photonics Research</i> , 2020, 8, 723.	7.0	34
20	Spatial Frequency Multiplexed Meta-Holography and Meta-Nanoprinting. <i>ACS Nano</i> , 2019, 13, 9237-9246.	14.6	76
21	Real-time Raman detection by the cavity mode enhanced Raman scattering. <i>Nano Research</i> , 2019, 12, 1643-1649.	10.4	21
22	Electrically Driven Highly Tunable Cavity Plasmons. <i>ACS Photonics</i> , 2019, 6, 823-829.	6.6	26
23	A plasmon modulated photothermoelectric photodetector in silicon nanostripes. <i>Nanoscale</i> , 2019, 11, 4918-4924.	5.6	16
24	Electrically Driven Optical Antennas Based on Template Dielectrophoretic Trapping. <i>ACS Nano</i> , 2019, 13, 14041-14047.	14.6	19
25	Probing the limits of plasmonic enhancement using a two-dimensional atomic crystal probe. <i>Light: Science and Applications</i> , 2018, 7, 56.	16.6	94
26	Mechanism of resonant perfect optical absorption in dielectric film supporting metallic grating structures. <i>Optics Express</i> , 2016, 24, 19435.	3.4	11
27	Mechanism of resonant perfect optical absorber, design rules, and applications. , 2016, , .		0
28	Thermal detection of surface plasmons on gold nanohole arrays. <i>Science Bulletin</i> , 2012, 57, 68-71.	1.7	3
29	Surface-enhanced Raman scattering on dual-layer metallic grating structures. <i>Science Bulletin</i> , 2010, 55, 2643-2648.	1.7	9
30	Effect of a proximal substrate on plasmon propagation in silver nanowires. <i>Physical Review B</i> , 2010, 82, .	3.2	67
31	Surface-Enhanced Raman Spectroscopy and Nanogeometry: The Plasmonic Origin of SERS. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17985-17988.	3.1	248