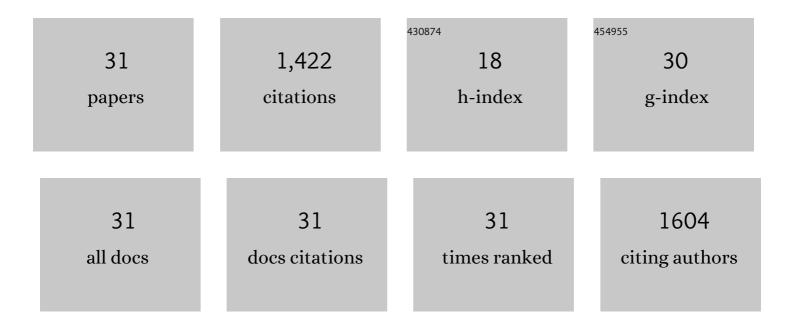
## **Zhiqiang Guan**

List of Publications by Year in descending order

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**ZHIOLANC CHAN** 

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

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