

# Mingsong Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,347  
citations

394421

19  
h-index

345221

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2039  
citing authors

#	ARTICLE	IF	CITATIONS
1	Opto-thermoelectric nanotweezers. <i>Nature Photonics</i> , 2018, 12, 195-201.	31.4	216
2	Light-Directed Reversible Assembly of Plasmonic Nanoparticles Using Plasmon-Enhanced Thermophoresis. <i>ACS Nano</i> , 2016, 10, 9659-9668.	14.6	138
3	High-Performance Ultrathin Active Chiral Metamaterials. <i>ACS Nano</i> , 2018, 12, 5030-5041.	14.6	89
4	Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS <sub>2</sub> at Room Temperature. <i>Advanced Materials</i> , 2018, 30, e1705779.	21.0	88
5	Seedless Growth of Palladium Nanocrystals with Tunable Structures: From Tetrahedra to Nanosheets. <i>Nano Letters</i> , 2015, 15, 7519-7525.	9.1	82
6	Tunable Resonance Coupling in Single Si Nanoparticle-Monolayer WS <sub>2</sub> Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16690-16697.	8.0	82
7	Tailoring Light with Layered and Moiré Metasurfaces. <i>Trends in Chemistry</i> , 2021, 3, 342-358.	8.5	69
8	Plasmo-fluidics: Merging Light and Fluids at the Micro-/Nanoscale. <i>Small</i> , 2015, 11, 4423-4444.	10.0	61
9	Photoswitchable Rabi Splitting in Hybrid Plasmon-Waveguide Modes. <i>Nano Letters</i> , 2016, 16, 7655-7663.	9.1	52
10	Spin-orbit-locked hyperbolic polariton vortices carrying reconfigurable topological charges. <i>ELight</i> , 2022, 2, .	23.9	49
11	Tunable Chiral Optics in All-Solid-Phase Reconfigurable Dielectric Nanostructures. <i>Nano Letters</i> , 2021, 21, 973-979.	9.1	42
12	Optical nanomanipulation on solid substrates via optothermally-gated photon nudging. <i>Nature Communications</i> , 2019, 10, 5672.	12.8	39
13	Molecular-Fluorescence Enhancement via Blue-Shifted Plasmon-Induced Resonance Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14820-14827.	3.1	38
14	Plasmon-trion and plasmon-exciton resonance energy transfer from a single plasmonic nanoparticle to monolayer MoS <sub>2</sub> . <i>Nanoscale</i> , 2017, 9, 13947-13955.	5.6	35
15	Suppressing material loss in the visible and near-infrared range for functional nanophotonics using bandgap engineering. <i>Nature Communications</i> , 2020, 11, 5055.	12.8	29
16	BiScO <sub>3</sub> -modified (K <sub>0.475</sub> Na <sub>0.475</sub> Li <sub>0.05</sub> )(Nb <sub>0.95</sub> Sb <sub>0.05</sub> )O <sub>3</sub> lead-free piezoelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2010, 499, L1-L4.	5.5	28
17	Dark-Exciton-Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS <sub>2</sub> at Room Temperature. <i>Small</i> , 2019, 15, e1900982.	10.0	25
18	Near-Field Characterization of Higher-Order Topological Photonic States at Optical Frequencies. <i>Advanced Materials</i> , 2021, 33, e2004376.	21.0	24

#	ARTICLE	IF	CITATIONS
19	Effects of CuO doping on the electrical properties of $0.98\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3 \sim 0.02\text{BiScO}_3$ lead-free piezoelectric ceramics. <i>Materials Letters</i> , 2011, 65, 948-950.	2.6	23
20	The Formation of Percolative Composites with a High Dielectric Constant and High Conductivity. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9123-9127.	13.8	17
21	Regioselective Localization and Tracking of Biomolecules on Single Gold Nanoparticles. <i>Advanced Science</i> , 2015, 2, 1500232.	11.2	17
22	Raman tensor analysis of $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3 \sim \text{LiSbO}_3$ lead-free ceramics and its application to study grain/domain orientation. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1320-1328.	2.5	16
23	Plasmonic Nanotweezers and Nanosensors for Point-of-Care Applications. <i>Advanced Optical Materials</i> , 2021, 9, 2100050.	7.3	16
24	Controlling Plasmon-Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules. <i>Small</i> , 2017, 13, 1701763.	10.0	15
25	Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres. <i>Advanced Materials</i> , 2021, 33, e2007236.	21.0	15
26	Room-Temperature Observation of Near-Intrinsic Exciton Linewidth in Monolayer $\text{WS}_2$ . <i>Advanced Materials</i> , 2022, 34, e2108721.	21.0	11
27	Lead-free piezoelectric composites with high piezoelectric performance and high dielectric constant caused by percolation phenomenon. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4225-4229.	2.2	7
28	Enhanced ferroelectric properties of $0.95\text{Pb}(\text{Sc}_{0.5}\text{Ta}_{0.5})\text{O}_3 \sim 0.05\text{PbTiO}_3$ thin films with $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ seed layer. <i>Ceramics International</i> , 2012, 38, S233-S236.	4.8	6
29	Effects of K/Na ratio on the phase structure and electrical properties of $0.98(\text{K}_x\text{Na}_{1-x})\text{NbO}_3 \sim 0.02\text{BiScO}_3$ lead-free ceramics. <i>Ceramics International</i> , 2012, 38, S347-S350.	4.8	6
30	Dielectric and Piezoelectric Properties of $(\text{K}_{0.48}\text{Na}_{0.52})(\text{Nb}_{0.98}\text{Sb}_{0.02})\text{O}_3 \sim \text{BiScO}_3$ Lead-Free Ceramics. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 120207.	13.7	3
31	Room-Temperature Observation of Near-Intrinsic Exciton Linewidth in Monolayer $\text{WS}_2$ (Adv. Mater. 15/2022). <i>Advanced Materials</i> , 2022, 34, .	21.0	2
32	Plasmo-fluidics: Merging Light and Fluids at the Micro-/Nanoscale ( <i>Small</i> 35/2015). <i>Small</i> , 2015, 11, 4422-4422.	10.0	1
33	Multiphoton Plasmonics: Regioselective Localization and Tracking of Biomolecules on Single Gold Nanoparticles (Adv. Sci. 11/2015). <i>Advanced Science</i> , 2015, 2, .	11.2	1
34	Fano Resonances: Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer $\text{WS}_2$ at Room Temperature (Adv. Mater. 22/2018). <i>Advanced Materials</i> , 2018, 30, 1870155.	21.0	1
35	Dielectric Nanospheres: Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres (Adv. Mater. 20/2021). <i>Advanced Materials</i> , 2021, 33, 2170153.	21.0	1
36	Structure and Electrical Properties of $(1-x)[(\text{K}_{0.5}\text{Na}_{0.5})_{0.95}\text{Li}_{0.05}(\text{Nb}_{0.95}\text{Sb}_{0.05})\text{O}_3]$ Piezoelectric Ceramics with Improved Temperature Stability. <i>Integrated Ferroelectrics</i> , 2012, 140, 147-154.	0.7	0

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37	Dark Excitons: Dark Exciton-Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS <sub>2</sub> at Room Temperature (Small 31/2019). Small, 2019, 15, 1970164.	10.0	0
38	Plasmonic Nanotweezers and Nanosensors for Point-of-Care Applications (Advanced Optical Materials) Tj ETQq0,0 0 rgBT <sub>0</sub> /Overlock	9.3	0
39	Plasmonic Nanostructures: Controlling Plasmon-Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules (Small 38/2017). Small, 2017, 13, .	10.0	0