Mingsong Wang

List of Publications by Year
in descending order

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	Roomâ€Temperature Observation of Nearâ€Intrinsic Exciton Linewidth in Monolayer WS₂. Advanced Materials, 2022, 34, e2108721.	21.0	11
2	Roomâ€Temperature Observation of Nearâ€Intrinsic Exciton Linewidth in Monolayer WS₂ (Adv. Mater. 15/2022). Advanced Materials, 2022, 34, .	21.0	2
3	Spin-orbit-locked hyperbolic polariton vortices carrying reconfigurable topological charges. ELight, 2022, 2, .	23.9	49
4	Nearâ€Field Characterization of Higherâ€Order Topological Photonic States at Optical Frequencies. Advanced Materials, 2021, 33, e2004376.	21.0	24
5	Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres. Advanced Materials, 2021, 33, e2007236.	21.0	15
6	Plasmonic Nanotweezers and Nanosensors for Pointâ€ofâ€Care Applications. Advanced Optical Materials, 2021, 9, 2100050.	7.3	16
7	Dielectric Nanospheres: Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres (Adv. Mater. 20/2021). Advanced Materials, 2021, 33, 2170153.	21.0	1
8	Tailoring Light with Layered and MoirÃ© Metasurfaces. Trends in Chemistry, 2021, 3, 342-358.	8.5	69
9	Plasmonic Nanotweezers and Nanosensors for Pointâ€ofâ€Care Applications (Advanced Optical Materials) Tj ETQq1 1 0.784314 rgBT /C	7.3	0
10	Tunable Chiral Optics in All-Solid-Phase Reconfigurable Dielectric Nanostructures. Nano Letters, 2021, 21, 973-979.	9.1	42
11	Suppressing material loss in the visible and near-infrared range for functional nanophotonics using bandgap engineering. Nature Communications, 2020, 11, 5055.	12.8	29
12	Dark Excitons: Darkâ€Excitonâ€Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS₂ at Room Temperature (Small 31/2019). Small, 2019, 15, 1970164.	10.0	0
13	Darkâ€Excitonâ€Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS₂ at Room Temperature. Small, 2019, 15, e1900982.	10.0	25
14	Optical nanomanipulation on solid substrates via optothermally-gated photon nudging. Nature Communications, 2019, 10, 5672.	12.8	39
15	Tunable Fano Resonance and Plasmonâ€"Exciton Coupling in Single Au Nanotriangles on Monolayer WS₂ at Room Temperature. Advanced Materials, 2018, 30, e1705779.	21.0	88
16	Tunable Resonance Coupling in Single Si Nanoparticleâ€"Monolayer WS₂ Structures. ACS Applied Materials & Interfaces, 2018, 10, 16690-16697.	8.0	82
17	High-Performance Ultrathin Active Chiral Metamaterials. ACS Nano, 2018, 12, 5030-5041.	14.6	89
18	Opto-thermoelectric nanotweezers. Nature Photonics, 2018, 12, 195-201.	31.4	216

#	Article	IF	Citations
19	Fano Resonances: Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS2 at Room Temperature (Adv. Mater. 22/2018). Advanced Materials, 2018, 30, 1870155.	21.0	1
20	Controlling Plasmonâ€Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules. Small, 2017, 13, 1701763.	10.0	15
21	Plasmonâ€“trion and plasmonâ€“exciton resonance energy transfer from a single plasmonic nanoparticle to monolayer MoS2. Nanoscale, 2017, 9, 13947-13955.	5.6	35
22	Plasmonic Nanostructures: Controlling Plasmonâ€Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules (Small 38/2017). Small, 2017, 13, .	10.0	0
23	Molecular-Fluorescence Enhancement via Blue-Shifted Plasmon-Induced Resonance Energy Transfer. Journal of Physical Chemistry C, 2016, 120, 14820-14827.	3.1	38
24	Light-Directed Reversible Assembly of Plasmonic Nanoparticles Using Plasmon-Enhanced Thermophoresis. ACS Nano, 2016, 10, 9659-9668.	14.6	138
25	Photoswitchable Rabi Splitting in Hybrid Plasmonâ€“Waveguide Modes. Nano Letters, 2016, 16, 7655-7663.	9.1	52
26	Plasmofluidics: Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale (Small 35/2015). Small, 2015, 11, 4422-4422.	10.0	1
27	Regioselective Localization and Tracking of Biomolecules on Single Gold Nanoparticles. Advanced Science, 2015, 2, 1500232.	11.2	17
28	Multiphoton Plasmonics: Regioselective Localization and Tracking of Biomolecules on Single Gold Nanoparticles (Adv. Sci. 11/2015). Advanced Science, 2015, 2, .	11.2	1
29	Plasmofluidics: Merging Light and Fluids at the Micro-/Nanoscale. Small, 2015, 11, 4423-4444.	10.0	61
30	Seedless Growth of Palladium Nanocrystals with Tunable Structures: From Tetrahedra to Nanosheets. Nano Letters, 2015, 15, 7519-7525.	9.1	82
31	Lead-free piezoelectric composites with high piezoelectric performance and high dielectric constant caused by percolation phenomenon. Journal of Materials Science: Materials in Electronics, 2014, 25, 4225-4229.	2.2	7
32	Structure and Electrical Properties of (1-<i>x</i>)[(K_{0.5}Na_{0.5})_{0.95}Li_{0.05}](Nb_{0.95}Sb_{0.05})O<su Piezoelectric Ceramics with Improved Temperature Stability. Integrated Ferroelectrics, 2012, 140, 147-154.	0.7	0
33	The Formation of Percolative Composites with a High Dielectric Constant and High Conductivity. Angewandte Chemie - International Edition, 2012, 51, 9123-9127.	13.8	17
34	Raman tensor analysis of (K_{0.5}Na_{0.5})NbO₃â€“LiSbO₃ leadâ€free ceramics and its application to study grain/domain orientation. Journal of Raman Spectroscopy, 2012, 43, 1320-1328.	2.5	16
35	Enhanced ferroelectric properties of 0.95Pb(Sc0.5Ta0.5)O3â€“0.05PbTiO3 thin films with Pb(Zr0.52,Ti0.48)O3 seed layer. Ceramics International, 2012, 38, S233-S236.	4.8	6
36	Effects of K/Na ratio on the phase structure and electrical properties of 0.98(KxNa1â^'x)NbO3â€“0.02BiScO3 lead-free ceramics. Ceramics International, 2012, 38, S347-S350.	4.8	6

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37	Effects of CuO doping on the electrical properties of 0.98K0.5Na0.5NbO3â€“0.02BiScO3 lead-free piezoelectric ceramics. Materials Letters, 2011, 65, 948-950.	2.6	23
38	Dielectric and Piezoelectric Properties of (K_{0.48}Na_{0.52})(Nb_{0.98}Sb_{0.02})O₃â€“BiScO₃ Lead-Free Ceramics. Japanese Journal of Applied Physics, 2011, 50, 120207.	1.5	3
39	BiScO3-modified (K0.475Na0.475Li0.05)(Nb0.95Sb0.05)O3 lead-free piezoelectric ceramics. Journal of Alloys and Compounds, 2010, 499, L1-L4.	5.5	28