Maozhong Sun

List of Publications by Citations

62 papers	2,577 citations	29 h-index	50 g-index
70 ext. papers	3,351 ext. citations	14.8 avg, IF	5.42 L-index

#	Paper	IF	Citations
62	Dual-Mode Ultrasensitive Quantification of MicroRNA in Living Cells by Chiroplasmonic Nanopyramids Self-Assembled from Gold and Upconversion Nanoparticles. *Journal of the American Chemical Society*, **2016**, 138, 306-12	16.4	329
61	Hierarchical Plasmonic Nanorods and Upconversion Core-Satellite Nanoassemblies for Multimodal Imaging-Guided Combination Phototherapy. *Advanced Materials*, **2016**, 28, 898-904	24	215
60	Dual Quantification of MicroRNAs and Telomerase in Living Cells. *Journal of the American Chemical Society*, **2017**, 139, 11752-11759	16.4	209
59	Chiral Molecule-mediated Porous Cu O Nanoparticle Clusters with Antioxidation Activity for Ameliorating Parkinson□s Disease. *Journal of the American Chemical Society*, **2019**, 141, 1091-1099	16.4	134
58	Site-selective photoinduced cleavage and profiling of DNA by chiral semiconductor nanoparticles. *Nature Chemistry*, **2018**, 10, 821-830	17.6	120
57	A Chiral-Nanoassemblies-Enabled Strategy for Simultaneously Profiling Surface Glycoprotein and MicroRNA in Living Cells. *Advanced Materials*, **2017**, 29, 1703410	24	102
56	Hybrid Nanoparticle Pyramids for Intracellular Dual MicroRNAs Biosensing and Bioimaging. *Advanced Materials*, **2017**, 29, 1606086	24	91
55	Gold-Quantum Dot Core-Satellite Assemblies for Lighting Up MicroRNA In Vitro and In Vivo. *Small*, **2016**, 12, 4662-8	11	77
54	Intracellular localization of nanoparticle dimers by chirality reversal. *Nature Communications*, **2017**, 8, 1847	17.4	76
53	Chiral Core-Shell Upconversion Nanoparticle@MOF Nanoassemblies for Quantification and Bioimaging of Reactive Oxygen Species. *Journal of the American Chemical Society*, **2019**, 141, 19373-19378	16.4	73
52	A Singlet Oxygen Generating Agent by Chirality-dependent Plasmonic Shell-Satellite Nanoassembly. *Advanced Materials*, **2017**, 29, 1606864	24	71
51	Tuning the interactions between chiral plasmonic films and living□cells. *Nature Communications*, **2017**, 8, 2007	17.4	65
50	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. *Angewandte Chemie - International Edition*, **2019**, 58, 7371-7374	16.4	55
49	Biocompatible Cup-Shaped Nanocrystal with Ultrahigh Photothermal Efficiency as Tumor Therapeutic Agent. *Advanced Functional Materials*, **2017**, 27, 1700605	15.6	52
48	Quantitative zeptomolar imaging of miRNA cancer markers with nanoparticle assemblies. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 3391-3400	11.5	52
47	Photoactive Hybrid AuNR-Pt@Ag2S Core□Satellite Nanostructures for Near-Infrared Quantitive Cell Imaging. *Advanced Functional Materials*, **2017**, 27, 1703408	15.6	45
46	Spiky Fe3O4@Au Supraparticles for Multimodal In Vivo Imaging. *Advanced Functional Materials*, **2018**, 28, 1800310	15.6	44

45	Chirality on Hierarchical Self-Assembly of Au@AuAg Yolk–Shell Nanorods into Core–Satellite Superstructures for Biosensing in Human Cells. *Advanced Functional Materials*, **2018**, 28, 1802372	15.6	43
44	Direct observation of selective autophagy induction in cells and tissues by self-assembled chiral nanodevice. *Nature Communications*, **2018**, 9, 4494	17.4	42
43	Scissor-Like Chiral Metamolecules for Probing Intracellular Telomerase Activity. *Advanced Functional Materials*, **2016**, 26, 7352-7358	15.6	41
42	Chiral Shell Core-Satellite Nanostructures for Ultrasensitive Detection of Mycotoxin. *Small*, **2018**, 14, e1703931	11	40
41	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent Amyloidopathy In Vivo. *Angewandte Chemie - International Edition*, **2020**, 59, 7131-7138	16.4	38
40	Tuning of chiral construction, structural diversity, scale transformation and chiroptical applications. *Materials Horizons*, **2018**, 5, 141-161	14.4	37
39	Enantiomer-dependent immunological response to chiral nanoparticles.. *Nature*, **2022**, 601, 366-373	50.4	36
38	Stimulation of neural stem cell differentiation by circularly polarized light transduced by chiral nanoassemblies. *Nature Biomedical Engineering*, **2021**, 5, 103-113	19	36
37	Heterostructures of MOFs and Nanorods for Multimodal Imaging. *Advanced Functional Materials*, **2018**, 28, 1805320	15.6	36
36	Tailoring Chiroptical Activity of Iron Disulfide Quantum Dot Hydrogels with Circularly Polarized Light. *Advanced Materials*, **2019**, 31, e1903200	24	34
35	A self-assembled chiral-aptasensor for ATP activity detection. *Nanoscale*, **2016**, 8, 15008-15	7.7	32
34	Chiral Cu OS@ZIF-8 Nanostructures for Ultrasensitive Quantification of Hydrogen Sulfide In Vivo. *Advanced Materials*, **2020**, 32, e1906580	24	29
33	2D Chiroptical Nanostructures for High-Performance Photooxidants. *Advanced Functional Materials*, **2018**, 28, 1707237	15.6	26
32	Biological Molecules-Governed Plasmonic Nanoparticle Dimers with Tailored Optical Behaviors. *Journal of Physical Chemistry Letters*, **2017**, 8, 5633-5642	6.4	24
31	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. *Angewandte Chemie*, **2019**, 131, 7449-7452	3.6	22
30	An NIR-Responsive DNA-Mediated Nanotetrahedron Enhances the Clearance of Senescent Cells. *Advanced Materials*, **2020**, 32, e2000184	24	21
29	Tetrahedron Probes for Ultrasensitive Detection of Telomerase and Surface Glycoprotein Activity in Living Cells. *Analytical Chemistry*, **2020**, 92, 2310-2315	7.8	21
28	Chirality of self-assembled metal–semiconductor nanostructures. *Journal of Materials Chemistry C*, **2014**, 2, 2702-2706	7.1	16

27	Peptide Mediated Chiral Inorganic Nanomaterials for Combating Gram-Negative Bacteria. *Advanced Functional Materials*, **2018**, 28, 1805112	15.6	16
26	Chiral Cu Co S Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. *Angewandte Chemie - International Edition*, **2020**, 59, 13915-13922	16.4	15
25	Circularly Polarized Light Triggers Biosensing Based on Chiral Assemblies. *Chemistry - A European Journal*, **2019**, 25, 12235-12240	4.8	13
24	Engineering of chiral nanomaterials for biomimetic catalysis. *Chemical Science*, **2020**, 11, 12937-12954	9.4	13
23	Mitochondria-Targeting Plasmonic Spiky Nanorods Increase the Elimination of Aging Cells in Vivo. *Angewandte Chemie - International Edition*, **2020**, 59, 8698-8705	16.4	12
22	Recent Progress on Biomaterials Fighting against Viruses. *Advanced Materials*, **2021**, 33, e2005424	24	12
21	Ultrasmall Copper (I) Sulfide Nanoparticles Prevent Hepatitis B Virus Infection. *Angewandte Chemie - International Edition*, **2021**, 60, 13073-13080	16.4	12
20	Porous Cu Co S Supraparticles for In Vivo Telomerase Imaging and Reactive Oxygen Species Generation. *Angewandte Chemie - International Edition*, **2019**, 58, 19067-19072	16.4	10
19	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles.. *Nature Nanotechnology*, **2022**,	28.7	10
18	Improved Reactive Oxygen Species Generation by Chiral Co O Supraparticles under Electromagnetic Fields. *Angewandte Chemie - International Edition*, **2021**, 60, 18240-18246	16.4	9
17	Single-Molecule Binding Assay Using Nanopores and Dimeric NP Conjugates. *Advanced Materials*, **2021**, 33, e2103067	24	8
16	Chiral CuxCoyS Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. *Angewandte Chemie*, **2020**, 132, 14019-14026	3.6	7
15	Self-Assembled Gold Arrays That Allow Rectification by Nanoscale Selectivity. *Angewandte Chemie - International Edition*, **2019**, 58, 17418-17424	16.4	6
14	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent Amyloidopathy In Vivo. *Angewandte Chemie*, **2020**, 132, 7197-7204	3.6	6
13	Self-limiting self-assembly of supraparticles for potential biological applications. *Nanoscale*, **2021**, 13, 2302-2311	7.7	6
12	Mitochondria-Targeting Plasmonic Spiky Nanorods Increase the Elimination of Aging Cells in Vivo. *Angewandte Chemie*, **2020**, 132, 8776-8783	3.6	5
11	Ultrasmall Magneto-chiral Cobalt Hydroxide Nanoparticles Enable Dynamic Detection of Reactive Oxygen Species .. *Journal of the American Chemical Society*, **2022**,	16.4	4
10	An immunochromatographic assay for the rapid detection of oxadixyl in cucumber, tomato and wine samples.. *Food Chemistry*, **2022**, 379, 132131	8.5	4

9	Chiral Nanoprobes and Their Biological Effects. *Chinese Journal of Chemistry*, **2021**, 39, 25-31	4.9	4
8	The development of chiral nanoparticles to target NK cells and CD8 T cells for cancer immunotherapy.. *Advanced Materials*, **2022**, e2109354	24	4
7	Chirality at nanoscale for bioscience.. *Chemical Science*, **2022**, 13, 3069-3081	9.4	3
6	An Overview for the Nanoparticles-Based Quantitative Lateral Flow Assay.. *Small Methods*, **2022**, 6, e2101143	12.4	3
5	Phototherapy: Hierarchical Plasmonic Nanorods and Upconversion Core–Satellite Nanoassemblies for Multimodal Imaging-Guided Combination Phototherapy (Adv. Mater. 5/2016). *Advanced Materials*, **2016**, 28, 897-897	24	3
4	Facet-Dependent Biodegradable Mn O Nanoparticles for Ameliorating Parkinson's Disease. *Advanced Healthcare Materials*, **2021**, 10, e2101316	10.1	2
3	Improved Reactive Oxygen Species Generation by Chiral Co3O4 Supraparticles under Electromagnetic Fields. *Angewandte Chemie*, **2021**, 133, 18388-18394	3.6	0
2	Ultrasmall Copper (I) Sulfide Nanoparticles Prevent Hepatitis B Virus Infection. *Angewandte Chemie* , **2021**, 133, 13183-13190	3.6	
1	Chiral Nanomaterials for Emerging Biological Effects **2022**, 199-239		