

Maozhong Sun

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Enantiomer-dependent immunological response to chiral nanoparticles.. <i>Nature</i> , 2022 , 601, 366-373	50.4	36
61	Ultrasmall Magneto-chiral Cobalt Hydroxide Nanoparticles Enable Dynamic Detection of Reactive Oxygen Species .. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	4
60	Chirality at nanoscale for bioscience.. <i>Chemical Science</i> , 2022 , 13, 3069-3081	9.4	3
59	An Overview for the Nanoparticles-Based Quantitative Lateral Flow Assay.. <i>Small Methods</i> , 2022 , 6, e2101143	11.3	3
58	An immunochromatographic assay for the rapid detection of oxadixyl in cucumber, tomato and wine samples.. <i>Food Chemistry</i> , 2022 , 379, 132131	8.5	4
57	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles.. <i>Nature Nanotechnology</i> , 2022 ,	28.7	10
56	The development of chiral nanoparticles to target NK cells and CD8 T cells for cancer immunotherapy.. <i>Advanced Materials</i> , 2022 , e2109354	24	4
55	Chiral Nanomaterials for Emerging Biological Effects 2022 , 199-239		
54	Facet-Dependent Biodegradable Mn O Nanoparticles for Ameliorating Parkinson's Disease. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101316	10.1	2
53	Recent Progress on Biomaterials Fighting against Viruses. <i>Advanced Materials</i> , 2021 , 33, e2005424	24	12
52	Ultrasmall Copper (I) Sulfide Nanoparticles Prevent Hepatitis B Virus Infection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13073-13080	16.4	12
51	Ultrasmall Copper (I) Sulfide Nanoparticles Prevent Hepatitis B Virus Infection. <i>Angewandte Chemie</i> , 2021 , 133, 13183-13190	3.6	
50	Improved Reactive Oxygen Species Generation by Chiral Co ₃ O ₄ Supraparticles under Electromagnetic Fields. <i>Angewandte Chemie</i> , 2021 , 133, 18388-18394	3.6	0
49	Stimulation of neural stem cell differentiation by circularly polarized light transduced by chiral nanoassemblies. <i>Nature Biomedical Engineering</i> , 2021 , 5, 103-113	19	36
48	Chiral Nanoprobes and Their Biological Effects. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 25-31	4.9	4
47	Single-Molecule Binding Assay Using Nanopores and Dimeric NP Conjugates. <i>Advanced Materials</i> , 2021 , 33, e2103067	24	8
46	Improved Reactive Oxygen Species Generation by Chiral Co O Supraparticles under Electromagnetic Fields. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18240-18246	16.4	9

45	Self-limiting self-assembly of supraparticles for potential biological applications. <i>Nanoscale</i> , 2021 , 13, 2302-2311	7.7	6
44	Chiral Cu Co S Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13915-13922	16.4	15
43	Chiral CuxCoyS Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. <i>Angewandte Chemie</i> , 2020 , 132, 14019-14026	3.6	7
42	Mitochondria-Targeting Plasmonic Spiky Nanorods Increase the Elimination of Aging Cells in Vivo. <i>Angewandte Chemie</i> , 2020 , 132, 8776-8783	3.6	5
41	An NIR-Responsive DNA-Mediated Nanotetrahedron Enhances the Clearance of Senescent Cells. <i>Advanced Materials</i> , 2020 , 32, e2000184	24	21
40	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent β Amyloidopathy In Vivo. <i>Angewandte Chemie</i> , 2020 , 132, 7197-7204	3.6	6
39	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent β Amyloidopathy In Vivo. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7131-7138	16.4	38
38	Mitochondria-Targeting Plasmonic Spiky Nanorods Increase the Elimination of Aging Cells in Vivo. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8698-8705	16.4	12
37	Chiral Cu OS@ZIF-8 Nanostructures for Ultrasensitive Quantification of Hydrogen Sulfide In Vivo. <i>Advanced Materials</i> , 2020 , 32, e1906580	24	29
36	Tetrahedron Probes for Ultrasensitive Detection of Telomerase and Surface Glycoprotein Activity in Living Cells. <i>Analytical Chemistry</i> , 2020 , 92, 2310-2315	7.8	21
35	Engineering of chiral nanomaterials for biomimetic catalysis. <i>Chemical Science</i> , 2020 , 11, 12937-12954	9.4	13
34	Self-Assembled Gold Arrays That Allow Rectification by Nanoscale Selectivity. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17418-17424	16.4	6
33	Circularly Polarized Light Triggers Biosensing Based on Chiral Assemblies. <i>Chemistry - A European Journal</i> , 2019 , 25, 12235-12240	4.8	13
32	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7371-7374	16.4	55
31	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. <i>Angewandte Chemie</i> , 2019 , 131, 7449-7452	3.6	22
30	Tailoring Chiroptical Activity of Iron Disulfide Quantum Dot Hydrogels with Circularly Polarized Light. <i>Advanced Materials</i> , 2019 , 31, e1903200	24	34
29	Porous Cu Co S Supraparticles for In Vivo Telomerase Imaging and Reactive Oxygen Species Generation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 19067-19072	16.4	10
28	Chiral Core-Shell Upconversion Nanoparticle@MOF Nanoassemblies for Quantification and Bioimaging of Reactive Oxygen Species. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19373-19378	16.4	73

27	Quantitative zeptomolar imaging of miRNA cancer markers with nanoparticle assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3391-3400	11.5	52
26	Chiral Molecule-mediated Porous Cu ₂ O Nanoparticle Clusters with Antioxidation Activity for Ameliorating Parkinson's Disease. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1091-1099	16.4	134
25	2D Chiroptical Nanostructures for High-Performance Photooxidants. <i>Advanced Functional Materials</i> , 2018 , 28, 1707237	15.6	26
24	Spiky Fe ₃ O ₄ @Au Supraparticles for Multimodal In Vivo Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1800310	15.6	44
23	Chiral Shell Core-Satellite Nanostructures for Ultrasensitive Detection of Mycotoxin. <i>Small</i> , 2018 , 14, e1703931	11	40
22	Tuning of chiral construction, structural diversity, scale transformation and chiroptical applications. <i>Materials Horizons</i> , 2018 , 5, 141-161	14.4	37
21	Chirality on Hierarchical Self-Assembly of Au@AuAg Yolk-Shell Nanorods into Core-Satellite Superstructures for Biosensing in Human Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1802372	15.6	43
20	Site-selective photoinduced cleavage and profiling of DNA by chiral semiconductor nanoparticles. <i>Nature Chemistry</i> , 2018 , 10, 821-830	17.6	120
19	Heterostructures of MOFs and Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1805320	15.6	36
18	Direct observation of selective autophagy induction in cells and tissues by self-assembled chiral nanodevice. <i>Nature Communications</i> , 2018 , 9, 4494	17.4	42
17	Peptide Mediated Chiral Inorganic Nanomaterials for Combating Gram-Negative Bacteria. <i>Advanced Functional Materials</i> , 2018 , 28, 1805112	15.6	16
16	Hybrid Nanoparticle Pyramids for Intracellular Dual MicroRNAs Biosensing and Bioimaging. <i>Advanced Materials</i> , 2017 , 29, 1606086	24	91
15	A Singlet Oxygen Generating Agent by Chirality-dependent Plasmonic Shell-Satellite Nanoassembly. <i>Advanced Materials</i> , 2017 , 29, 1606864	24	71
14	Biocompatible Cup-Shaped Nanocrystal with Ultrahigh Photothermal Efficiency as Tumor Therapeutic Agent. <i>Advanced Functional Materials</i> , 2017 , 27, 1700605	15.6	52
13	A Chiral-Nanoassemblies-Enabled Strategy for Simultaneously Profiling Surface Glycoprotein and MicroRNA in Living Cells. <i>Advanced Materials</i> , 2017 , 29, 1703410	24	102
12	Photoactive Hybrid AuNR-Pt@Ag ₂ S Core-Satellite Nanostructures for Near-Infrared Quantitative Cell Imaging. <i>Advanced Functional Materials</i> , 2017 , 27, 1703408	15.6	45
11	Dual Quantification of MicroRNAs and Telomerase in Living Cells. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11752-11759	16.4	209
10	Tuning the interactions between chiral plasmonic films and living cells. <i>Nature Communications</i> , 2017 , 8, 2007	17.4	65

9	Intracellular localization of nanoparticle dimers by chirality reversal. <i>Nature Communications</i> , 2017 , 8, 1847	17.4	76
8	Biological Molecules-Governed Plasmonic Nanoparticle Dimers with Tailored Optical Behaviors. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5633-5642	6.4	24
7	Scissor-Like Chiral Metamolecules for Probing Intracellular Telomerase Activity. <i>Advanced Functional Materials</i> , 2016 , 26, 7352-7358	15.6	41
6	A self-assembled chiral-aptasensor for ATP activity detection. <i>Nanoscale</i> , 2016 , 8, 15008-15	7.7	32
5	Hierarchical Plasmonic Nanorods and Upconversion Core-Satellite Nanoassemblies for Multimodal Imaging-Guided Combination Phototherapy. <i>Advanced Materials</i> , 2016 , 28, 898-904	24	215
4	Gold-Quantum Dot Core-Satellite Assemblies for Lighting Up MicroRNA In Vitro and In Vivo. <i>Small</i> , 2016 , 12, 4662-8	11	77
3	Dual-Mode Ultrasensitive Quantification of MicroRNA in Living Cells by Chiroplasmonic Nanopyramids Self-Assembled from Gold and Upconversion Nanoparticles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 306-12	16.4	329
2	Phototherapy: Hierarchical Plasmonic Nanorods and Upconversion Core-Satellite Nanoassemblies for Multimodal Imaging-Guided Combination Phototherapy (Adv. Mater. 5/2016). <i>Advanced Materials</i> , 2016 , 28, 897-897	24	3
1	Chirality of self-assembled metal-semiconductor nanostructures. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2702-2706	7.1	16