

# Changlong Hao

## List of Publications by Year in descending order

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68  
papers

3,409  
citations

117571

34  
h-index

149623

56  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Molecule-mediated Porous Cu <sub>x</sub> O Nanoparticle Clusters with Antioxidation Activity for Ameliorating Parkinson's Disease. <i>Journal of the American Chemical Society</i> , 2019, 141, 1091-1099.	6.6	264
2	Enantiomer-dependent immunological response to chiral nanoparticles. <i>Nature</i> , 2022, 601, 366-373.	13.7	243
3	Site-selective photoinduced cleavage and profiling of DNA by chiral semiconductor nanoparticles. <i>Nature Chemistry</i> , 2018, 10, 821-830.	6.6	189
4	Chiral Core-Shell Upconversion Nanoparticle@MOF Nanoassemblies for Quantification and Bioimaging of Reactive Oxygen Species <i>in Vivo</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 19373-19378.	6.6	139
5	Unusual Circularly Polarized Photocatalytic Activity in Nanogapped Gold-Silver Chiroplasmonic Nanostructures. <i>Advanced Functional Materials</i> , 2015, 25, 5816-5822.	7.8	117
6	Environmentally responsive plasmonic nanoassemblies for biosensing. <i>Chemical Society Reviews</i> , 2018, 47, 4677-4696.	18.7	116
7	Artificial Chiral Probes and Bioapplications. <i>Advanced Materials</i> , 2020, 32, e1802075.	11.1	99
8	Stimulation of neural stem cell differentiation by circularly polarized light transduced by chiral nanoassemblies. <i>Nature Biomedical Engineering</i> , 2021, 5, 103-113.	11.6	98
9	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	4.2	88
10	Circular Polarized Light Activated Chiral Satellite Nanoprobes for the Imaging and Analysis of Multiple Metal Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3913-3917.	7.2	87
11	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent Amyloidopathy <i>In Vivo</i> . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7131-7138.	7.2	85
12	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles. <i>Nature Nanotechnology</i> , 2022, 17, 408-416.	15.6	83
13	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7371-7374.	7.2	82
14	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.	3.3	82
15	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.	7.8	75
16	Oligonucleotide-based fluorogenic sensor for simultaneous detection of heavy metal ions. <i>Biosensors and Bioelectronics</i> , 2012, 36, 174-178.	5.3	74
17	Chiral Plasmonic Triangular Nanorings with SERS Activity for Ultrasensitive Detection of Amyloid Proteins in Alzheimer's Disease. <i>Advanced Materials</i> , 2021, 33, e2102337.	11.1	68
18	Direct observation of selective autophagy induction in cells and tissues by self-assembled chiral nanodevice. <i>Nature Communications</i> , 2018, 9, 4494.	5.8	67

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19	Tailoring Chiroptical Activity of Iron Disulfide Quantum Dot Hydrogels with Circularly Polarized Light. <i>Advanced Materials</i> , 2019, 31, e1903200.	11.1	65
20	Spiny Nanorod and Upconversion Nanoparticle Satellite Assemblies for Ultrasensitive Detection of Messenger RNA in Living Cells. <i>Analytical Chemistry</i> , 2018, 90, 5414-5421.	3.2	64
21	Au@gap@AuAg Nanorod Side-by-Side Assemblies for Ultrasensitive SERS Detection of Mercury and its Transformation. <i>Small</i> , 2019, 15, e1901958.	5.2	62
22	Chiral Shell Core-Satellite Nanostructures for Ultrasensitive Detection of Mycotoxin. <i>Small</i> , 2018, 14, e1703931.	5.2	60
23	Rapid, ultrasensitive and highly specific biosensor for the diagnosis of SARS-CoV-2 in clinical blood samples. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2000-2005.	3.2	60
24	Chiral Cu <sub>x</sub> OS@ZIF-8 Nanostructures for Ultrasensitive Quantification of Hydrogen Sulfide In Vivo. <i>Advanced Materials</i> , 2020, 32, e1906580.	11.1	59
25	Spiky Fe <sub>3</sub> O <sub>4</sub> @Au Supraparticles for Multimodal In Vivo Imaging. <i>Advanced Functional Materials</i> , 2018, 28, 1800310.	7.8	58
26	Tuning of chiral construction, structural diversity, scale transformation and chiroptical applications. <i>Materials Horizons</i> , 2018, 5, 141-161.	6.4	50
27	Heterostructures of MOFs and Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2018, 28, 1805320.	7.8	47
28	A silver enhanced and sensitive strip sensor for Cadmium detection. <i>Food and Agricultural Immunology</i> , 2014, 25, 287-300.	0.7	45
29	Engineering of chiral nanomaterials for biomimetic catalysis. <i>Chemical Science</i> , 2020, 11, 12937-12954.	3.7	45
30	Template-Free Hierarchical Self-Assembly of Iron Diselenide Nanoparticles into Mesoscale Hedgehogs. <i>Journal of the American Chemical Society</i> , 2017, 139, 16630-16639.	6.6	43
31	Assembled Plasmonic Asymmetric Heterodimers with Tailorable Chiroptical Response. <i>Small</i> , 2014, 10, 1805-1812.	5.2	42
32	Plasmonic Core-Satellites Nanostructures with High Chirality and Bioproperty. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2379-2384.	2.1	41
33	The Development of Chiral Nanoparticles to Target NK Cells and CD8 <sup>+</sup> T Cells for Cancer Immunotherapy. <i>Advanced Materials</i> , 2022, 34, e2109354.	11.1	41
34	Rapid quantitative determination of fentanyl in human urine and serum using a gold-based immunochromatographic strip sensor. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8573-8584.	2.9	40
35	Chiral Cu <sub>x</sub> S Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13915-13922.	7.2	40
36	Ultrasmall Magneto-chiral Cobalt Hydroxide Nanoparticles Enable Dynamic Detection of Reactive Oxygen Species <i>in Vivo</i> . <i>Journal of the American Chemical Society</i> , 2022, 144, 1580-1588.	6.6	39

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37	A highly sensitive enzyme-linked immunosorbent assay for copper(II) determination in drinking water. Food and Agricultural Immunology, 2014, 25, 432-442.	0.7	31
38	Circularly Polarized Light Triggers Biosensing Based on Chiral Assemblies. Chemistry - A European Journal, 2019, 25, 12235-12240.	1.7	29
39	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. Angewandte Chemie, 2019, 131, 7449-7452.	1.6	28
40	Chiral Self-Assembled Film from Semiconductor Nanorods with Ultra-Strong Circularly Polarized Luminescence. Angewandte Chemie - International Edition, 2021, 60, 26276-26280.	7.2	28
41	Peptide Mediated Chiral Inorganic Nanomaterials for Combating Gram-Negative Bacteria. Advanced Functional Materials, 2018, 28, 1805112.	7.8	25
42	Circular Polarized Light Activated Chiral Satellite Nanoprobes for the Imaging and Analysis of Multiple Metal Ions in Living Cells. Angewandte Chemie, 2019, 131, 3953-3957.	1.6	25
43	Facet-Dependent Biodegradable Mn <sub>3</sub> O <sub>4</sub> Nanoparticles for Ameliorating Parkinson's Disease. Advanced Healthcare Materials, 2021, 10, e2101316.	3.9	23
44	Improved Reactive Oxygen Species Generation by Chiral Co <sub>3</sub> O <sub>4</sub> Supraparticles under Electromagnetic Fields. Angewandte Chemie - International Edition, 2021, 60, 18240-18246.	7.2	22
45	Immuno-chromatographic test strip for the rapid detection of tricaine in fish samples. Food and Agricultural Immunology, 2020, 31, 687-699.	0.7	20
46	Tailored Chiral Copper Selenide Nanochannels for Ultrasensitive Enantioselective Recognition and Detection. Angewandte Chemie - International Edition, 2021, 60, 24997-25004.	7.2	19
47	Chiral suprananostructures for ultrasensitive endonuclease analysis. Journal of Materials Chemistry B, 2013, 1, 5539.	2.9	16
48	Chiro-magnetic Plasmonic Nanoassemblies with Magnetic Field Modulated Chiral Activity. Small, 2020, 16, e1905734.	5.2	16
49	Immuno-driven plasmonic oligomer sensor for the ultrasensitive detection of antibiotics. RSC Advances, 2013, 3, 17294.	1.7	15
50	Circular Dichroism-Active Interactions between Fipronil and Neuronal Cells. Environmental Science and Technology Letters, 2018, 5, 500-507.	3.9	14
51	Porous Cu <sub>x</sub> Co <sub>y</sub> S Supraparticles for In Vivo Telomerase Imaging and Reactive Oxygen Species Generation. Angewandte Chemie - International Edition, 2019, 58, 19067-19072.	7.2	14
52	Self-Assembled Gold Arrays That Allow Rectification by Nanoscale Selectivity. Angewandte Chemie - International Edition, 2019, 58, 17418-17424.	7.2	14
53	Photoinduced elimination of senescent microglia cells <i>in vivo</i> by chiral gold nanoparticles. Chemical Science, 2022, 13, 6642-6654.	3.7	14
54	Metabolic profile of chiral cobalt oxide nanoparticles <i>in vitro</i> and <i>in vivo</i> . Nano Research, 2021, 14, 2451-2455.	5.8	13

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55	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent $\beta$ -Amyloidopathy In Vivo. <i>Angewandte Chemie</i> , 2020, 132, 7197-7204.	1.6	11
56	Chiral Cu <sub>x</sub> Co <sub>y</sub> S Supraparticles Ameliorate Parkinson's Disease. <i>CCS Chemistry</i> , 2022, 4, 2440-2451.	4.6	11
57	Systematic comparisons of genetically modified organism DNA separation and purification by various functional magnetic nanoparticles. <i>International Journal of Food Science and Technology</i> , 2012, 47, 910-917.	1.3	10
58	Rapid and Sensitive Immunochromatographic Method-Based Monoclonal Antibody for the Quantitative Detection of Metalaxyl in Tobacco. <i>ACS Omega</i> , 2020, 5, 18168-18175.	1.6	10
59	Chiral Cu <sub>x</sub> Co <sub>y</sub> S Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. <i>Angewandte Chemie</i> , 2020, 132, 14019-14026.	1.6	9
60	Magnetic Field Tuning Ionic Current Generated by Chiro-magnetic Nanofilms. <i>ACS Nano</i> , 2022, 16, 11066-11075.	7.3	9
61	Self-limiting self-assembly of supraparticles for potential biological applications. <i>Nanoscale</i> , 2021, 13, 2302-2311.	2.8	8
62	An Ultrasensitive Electrochemical Immunosensor for Nonylphenol Leachate from Instant Noodle Containers in Southeast Asia. <i>Chemistry - A European Journal</i> , 2019, 25, 7023-7030.	1.7	6
63	Chiral Self-Assembled Film from Semiconductor Nanorods with Ultra-Strong Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2021, 133, 26480.	1.6	4
64	Tailored Chiral Copper Selenide Nanochannels for Ultrasensitive Enantioselective Recognition and Detection. <i>Angewandte Chemie</i> , 2021, 133, 25201-25208.	1.6	3
65	Self-Assembled Gold Arrays That Allow Rectification by Nanoscale Selectivity. <i>Angewandte Chemie</i> , 2019, 131, 17579-17585.	1.6	2
66	Porous Cu <sub>x</sub> Co <sub>y</sub> S Supraparticles for In Vivo Telomerase Imaging and Reactive Oxygen Species Generation. <i>Angewandte Chemie</i> , 2019, 131, 19243-19248.	1.6	2
67	Improved Reactive Oxygen Species Generation by Chiral Co <sub>3</sub> O <sub>4</sub> Supraparticles under Electromagnetic Fields. <i>Angewandte Chemie</i> , 2021, 133, 18388-18394.	1.6	1
68	Frontispiece: Circularly Polarized Light Triggers Biosensing Based on Chiral Assemblies. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0