

# Yunlong Zhou

## List of Publications by Year in descending order

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44  
papers

3,581  
citations

201674

27  
h-index

233421

45  
g-index

46  
all docs

46  
docs citations

46  
times ranked

5019  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible Plasmonic Circular Dichroism of Au Nanorod and DNA Assemblies. <i>Journal of the American Chemical Society</i> , 2012, 134, 3322-3325.	13.7	307
2	Similar Topological Origin of Chiral Centers in Organic and Nanoscale Inorganic Structures: Effect of Stabilizer Chirality on Optical Isomerism and Growth of CdTe Nanocrystals. <i>Journal of the American Chemical Society</i> , 2010, 132, 6006-6013.	13.7	243
3	Chiral inorganic nanoparticles: origin, optical properties and bioapplications. <i>Nanoscale</i> , 2011, 3, 1374.	5.6	215
4	Full Assessment of Fate and Physiological Behavior of Quantum Dots Utilizing <i>Caenorhabditis elegans</i> as a Model Organism. <i>Nano Letters</i> , 2011, 11, 3174-3183.	9.1	212
5	Chirality of Glutathione Surface Coating Affects the Cytotoxicity of Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5860-5864.	13.8	210
6	Manipulation of Collective Optical Activity in One-Dimensional Plasmonic Assembly. <i>ACS Nano</i> , 2012, 6, 2326-2332.	14.6	209
7	Highly-sensitive organophosphorous pesticide biosensors based on nanostructured films of acetylcholinesterase and CdTe quantum dots. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3081-3085.	10.1	191
8	Gold Nanorod@Chiral Mesoporous Silica Core-shell Nanoparticles with Unique Optical Properties. <i>Journal of the American Chemical Society</i> , 2013, 135, 9659-9664.	13.7	182
9	Glucose Biosensor Based on Nanocomposite Films of CdTe Quantum Dots and Glucose Oxidase. <i>Langmuir</i> , 2009, 25, 6580-6586.	3.5	174
10	Optical Coupling Between Chiral Biomolecules and Semiconductor Nanoparticles: Size-Dependent Circular Dichroism Absorption. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11456-11459.	13.8	126
11	Highly Sensitive Flexible Iontronic Pressure Sensor for Fingertip Pulse Monitoring. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001023.	7.6	106
12	Biomimetic Hierarchical Assembly of Helical Supraparticles from Chiral Nanoparticles. <i>ACS Nano</i> , 2016, 10, 3248-3256.	14.6	104
13	Study on the factors of affecting the immobilization of heavy metals in fly ash-based geopolymers. <i>Materials Letters</i> , 2006, 60, 820-822.	2.6	101
14	Circularly polarized luminescence in chiral materials. <i>Matter</i> , 2022, 5, 837-875.	10.0	100
15	Resolution of Oligomeric Species during the Aggregation of $A\beta^{1-40}$ Using $^{19}F$ NMR. <i>Biochemistry</i> , 2013, 52, 1903-1912.	2.5	97
16	Bioconjugation of Gold Nanobipyramids for SERS Detection and Targeted Photothermal Therapy in Breast Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 608-618.	5.2	97
17	NIR enhanced peroxidase-like activity of Au@CeO <sub>2</sub> hybrid nanozyme by plasmon-induced hot electrons and photothermal effect for bacteria killing. <i>Applied Catalysis B: Environmental</i> , 2021, 295, 120317.	20.2	96
18	Unknown Aspects of Self-Assembly of PbS Microscale Superstructures. <i>ACS Nano</i> , 2012, 6, 3800-3812.	14.6	92

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19	AuPt Alloy Nanostructures with Tunable Composition and Enzyme-like Activities for Colorimetric Detection of Bisulfide. <i>Scientific Reports</i> , 2017, 7, 40103.	3.3	84
20	Visual detection of mixed organophosphorous pesticide using QD-AChE aerogel based microfluidic arrays sensor. <i>Biosensors and Bioelectronics</i> , 2019, 136, 112-117.	10.1	70
21	Self-Assembly of Copper Sulfide Nanoparticles into Nanoribbons with Continuous Crystallinity. <i>ACS Nano</i> , 2013, 7, 9010-9018.	14.6	62
22	Self-Organization of Plasmonic and Excitonic Nanoparticles into Resonant Chiral Supraparticle Assemblies. <i>Nano Letters</i> , 2014, 14, 6799-6810.	9.1	61
23	Bacterial infection microenvironment-responsive enzymatically degradable multilayer films for multifunctional antibacterial properties. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8532-8541.	5.8	60
24	Synergistic chemotherapy, physiotherapy and photothermal therapy against bacterial and biofilms infections through construction of chiral glutamic acid functionalized gold nanobipyramids. <i>Chemical Engineering Journal</i> , 2020, 393, 124778.	12.7	53
25	Advances in chiral nanozymes: a review. <i>Mikrochimica Acta</i> , 2019, 186, 782.	5.0	35
26	Self-Reorganization of CdTe Nanoparticles into Near-Infrared Hg <sub>1-x</sub> Cd <sub>x</sub> Te Nanowire Networks. <i>Chemistry of Materials</i> , 2009, 21, 3177-3182.	6.7	30
27	Unusual multiscale mechanics of biomimetic nanoparticle hydrogels. <i>Nature Communications</i> , 2018, 9, 181.	12.8	28
28	Ultrasensitive paper-based polyaniline/graphene composite strain sensor for sign language expression. <i>Composites Science and Technology</i> , 2019, 181, 107660.	7.8	26
29	Facile preparation of Cu <sub>2</sub> -xS supernanoparticles with an unambiguous SERS enhancement mechanism. <i>Chemical Engineering Journal</i> , 2022, 434, 134457.	12.7	20
30	Sequence isomerism-dependent self-assembly of glycopeptide mimetics with switchable antibiofilm properties. <i>Chemical Science</i> , 2019, 10, 8171-8178.	7.4	18
31	Asymmetric barrier membranes based on polysaccharide micro-nanocomposite hydrogel: Synthesis, characterization, and their antibacterial and osteogenic activities. <i>Carbohydrate Polymers</i> , 2021, 273, 118525.	10.2	18
32	Silver nanowires for anti-counterfeiting. <i>Journal of Materiomics</i> , 2020, 6, 152-157.	5.7	16
33	Ratiometric sensing of metabolites using dual-emitting ZnS:Mn <sup>2+</sup> quantum dots as sole luminophore via surface chemistry design. <i>Biosensors and Bioelectronics</i> , 2017, 90, 487-493.	10.1	15
34	Reversible modulation of plasmonic chiral signals of achiral gold nanorods using a chiral supramolecular template. <i>Chemical Communications</i> , 2019, 55, 11378-11381.	4.1	15
35	Visual detection of glucose based on quantum dots aerogel in microfluidic chips. <i>Analytical Methods</i> , 2018, 10, 5749-5754.	2.7	11
36	Switchable modulation of bacterial growth and biofilm formation based on supramolecular tripeptide amphiphiles. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6420-6427.	5.8	10

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37	Optical anisotropy and sign reversal in layer-by-layer assembled films from chiral nanoparticles. <i>Faraday Discussions</i> , 2016, 191, 141-157.	3.2	9
38	Streptavidin Inhibits Self-Assembly of CdTe Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3249-3256.	4.6	7
39	Nonsolvent induced reconfigurable bonding configurations of ligands in nanoparticle purification. <i>Nanoscale Horizons</i> , 2019, 4, 1416-1424.	8.0	6
40	Gesture recognition device based on cross reticulated graphene strain sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8410-8417.	2.2	5
41	Nanoparticle Assemblies into Luminescent Dendrites in Shrinking Microdroplets. <i>Langmuir</i> , 2016, 32, 12468-12475.	3.5	3
42	Shape-Dependent Linear Dichroism Spectra of Colloidal Semiconductor Nanocrystals. <i>Langmuir</i> , 2021, 37, 7611-7616.	3.5	3
43	Self-organization of zinc ions with a photosensitizer <i>in vivo</i> for enhanced antibiofilm and infected wound healing. <i>Nanoscale</i> , 2022, 14, 7837-7848.	5.6	3
44	Geometry-Modulated Magnetoplasmonic Circular Dichroism of Gold Nanobipyramids. <i>Journal of Physical Chemistry C</i> , 0, , .	3.1	1