Chen Zhou

List of Publications by Year in Descending Order

46 papers	3,177 citations	22 h-index	47 g-index
47 ext. papers	3,495 ext. citations	7.6 avg, IF	5.27 L-index

#	Paper	IF	Citations
46	Combination of Photothermal Conversion and Photocatalysis toward Water Purification. *Industrial & Engineering Chemistry Research*, **2022**, 61, 4579-4587	3.9	2
45	Renal-Clearable Dye-Conjugated Silver Nanoparticles for in Vivo Plasma Biothiol Sensing Through Urinalysis. *Sensors and Actuators B: Chemical*, **2022**, 131908	8.5	1
44	A new Ni-diaminoglyoxime-g-CN complex towards efficient photocatalytic ethanol splitting via a ligand-to-metal charge transfer (LMCT) mechanism. *Chemical Communications*, **2020**, 56, 7171-7174	5.8	9
43	Engineering trace AuNPs on monodispersed carbonized organosilica microspheres drives highly efficient and low-cost solar water purification. *Journal of Materials Chemistry A*, **2020**, 8, 13311-13319	13	20
42	Structurally Ordered 3N4/GO Membranes toward Solar-Driven Freshwater Generation. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 4362-4370	8.3	18
41	Renal Clearable Gold Nanoparticle-Functionalized Silk Film for Fluorescent Temperature Mapping. *Frontiers in Chemistry*, **2020**, 8, 364	5	3
40	Ternary noble-metal-free heterostructured NiS□uS□3N4 with near-infrared response for enhanced photocatalytic hydrogen evolution. *International Journal of Hydrogen Energy*, **2020**, 45, 4084-4094	6.7	21
39	Gold nanoparticles-biomembrane interactions: From fundamental to simulation. *Colloids and Surfaces B: Biointerfaces*, **2020**, 196, 111312	6	21
38	Microwave-assisted synthesis of AuNPs/CdS composite nanorods for enhanced photocatalytic hydrogen evolution. *Journal of Materials Science*, **2019**, 54, 6930-6942	4.3	20
37	Visible light-driven the splitting of ethanol into hydrogen and acetaldehyde catalyzed by fibrous AgNPs/CdS hybrids at room temperature. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 102, 182-189	5.3	12
36	Synergistic Effect of Dual Particle-Size AuNPs on TiO□for Efficient Photocatalytic Hydrogen Evolution. *Nanomaterials*, **2019**, 9,	5.4	11
35	In-situ hydrothermal fabrication of CdS/g-C3N4 nanocomposites for enhanced photocatalytic water splitting. *Materials Letters*, **2019**, 240, 128-131	3.3	27
34	One-step synthesis of hierarchical AuNPs/Cd0.5Zn0.5S nanoarchitectures and their application as an efficient photocatalyst for hydrogen production. *Journal of Industrial and Engineering Chemistry*, **2019**, 72, 338-345	6.3	12
33	Photoinitiated Interfacial Thiol-ene Click Chemistry for the Synthesis of Luminescent Hollow Polymer Colloids by Synchronously Anchoring CdTe Nanocrystals. *Chemistry Letters*, **2018**, 47, 1194-1196	1.7	1
32	Luminescent gold nanoparticles as dual-modality sensors for selective copper (II) ion detection. *Materials Letters*, **2018**, 232, 70-73	3.3	7
31	Hydrogen Generation from Photoelectrochemical Water Splitting **2018**, 121-157		
30	Effect of Hydrophobicity on Nano-Bio Interactions of Zwitterionic Luminescent Gold Nanoparticles at the Cellular Level. *Bioconjugate Chemistry*, **2018**, 29, 1841-1846	6.3	15

29	Interactions of Renal-Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. *Angewandte Chemie - International Edition*, **2017**, 56, 4314-4319	16.4	42
28	Interactions of Renal-Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. *Angewandte Chemie*, **2017**, 129, 4378-4383	3.6	13
27	Glutathione-Mediated Cu(I)/Cu(II) Complexes: Valence-Dependent Effects on Clearance and In Vivo Imaging Application. *Nanomaterials*, **2017**, 7,	5.4	8
26	Single Ag Nanoparticle Spectroelectrochemistry via Dark-Field Scattering and Fluorescence Microscopies. *Journal of Physical Chemistry C*, **2015**, 119, 6760-6768	3.8	46
25	Glutathione-triggered luminescent silver nanoparticle: A urinary clearable nanoparticle for potential clinical practice. *Colloids and Surfaces B: Biointerfaces*, **2015**, 135, 751-755	6	12
24	Renal clearance and degradation of glutathione-coated copper nanoparticles. *Bioconjugate Chemistry*, **2015**, 26, 511-9	6.3	64
23	Glutathione-coated luminescent gold nanoparticles: a surface ligand for minimizing serum protein adsorption. *ACS Applied Materials & Interfaces*, **2014**, 6, 11829-33	9.5	41
22	Surface-chemistry effect on cellular response of luminescent plasmonic silver nanoparticles. *Bioconjugate Chemistry*, **2014**, 25, 453-9	6.3	3
21	Luminescent gold nanoparticles: a new class of nanoprobes for biomedical imaging. *Experimental Biology and Medicine*, **2013**, 238, 1199-209	3.7	33
20	Renal clearable inorganic nanoparticles: a new frontier of bionanotechnology. *Materials Today*, **2013**, 16, 477-486	21.8	228
19	Passive tumor targeting of renal-clearable luminescent gold nanoparticles: long tumor retention and fast normal tissue clearance. *Journal of the American Chemical Society*, **2013**, 135, 4978-81	16.4	460
18	A europium(III)-based PARACEST agent for sensing singlet oxygen by MRI. *Dalton Transactions*, **2013**, 42, 8066-9	4.3	31
17	Synthesis of five-membered osmacycloallenes and conversion into six-membered osmacycloallenes. *Angewandte Chemie - International Edition*, **2013**, 52, 13361-4	16.4	16
16	PEGylation and zwitterionization: pros and cons in the renal clearance and tumor targeting of near-IR-emitting gold nanoparticles. *Angewandte Chemie - International Edition*, **2013**, 52, 12572-6	16.4	203
15	PEGylation and Zwitterionization: Pros and Cons in the Renal Clearance and Tumor Targeting of Near-IR-Emitting Gold Nanoparticles. *Angewandte Chemie*, **2013**, 125, 12804-12808	3.6	62
14	Synthesis and Characterization of Telluride Aerogels: Effect of Gelation on Thermoelectric Performance of Bi2Te3 and Bi2SbxTe3 Nanostructures. *Journal of Physical Chemistry C*, **2012**, 116, 17431-17439	3.8	27
13	Near-Infrared Emitting Radioactive Gold Nanoparticles with Molecular Pharmacokinetics. *Angewandte Chemie*, **2012**, 124, 10265-10269	3.6	45
12	Near-infrared emitting radioactive gold nanoparticles with molecular pharmacokinetics. *Angewandte Chemie - International Edition*, **2012**, 51, 10118-22	16.4	155

11	One-step interfacial synthesis and assembly of ultrathin luminescent AuNPs/silica membranes. *Advanced Materials*, **2012**, 24, 3218-22	24	29
10	Different sized luminescent gold nanoparticles. *Nanoscale*, **2012**, 4, 4073-83	7.7	493
9	Grain size effects in polycrystalline gold nanoparticles. *Nanoscale*, **2012**, 4, 4228-33	7.7	43
8	Photoluminescent carbon nanoparticles produced by confined combustion of aromatic compounds. *Carbon*, **2012**, 50, 1298-1302	10.4	57
7	Resonance zones and quasi-linear diffusion coefficients for radiation belt energetic electron interaction with oblique chorus waves in the Dungey magnetosphere. *Physics of Plasmas*, **2012**, 19, 072904	2.1	2
6	Decomposition of Amino Acids Catalyzed by Plasmonic Gold Nanoparticles. *Science of Advanced Materials*, **2012**, 4, 813-818	2.3	2
5	Luminescent gold nanoparticles with pH-dependent membrane adsorption. *Journal of the American Chemical Society*, **2011**, 133, 11014-7	16.4	166
4	Luminescent Gold Nanoparticles with Efficient Renal Clearance. *Angewandte Chemie*, **2011**, 123, 3226-3230	3.8	90
3	Luminescent gold nanoparticles with efficient renal clearance. *Angewandte Chemie - International Edition*, **2011**, 50, 3168-72	16.4	348
2	Synthesis of gold nanoclusters: a fluorescent marker for water-soluble TiO2 nanotubes. *Nanotechnology*, **2011**, 22, 065601	3.4	4
1	Luminescent Gold Nanoparticles with Mixed Valence States Generated from Dissociation of Polymeric Au (I) Thiolates. *Journal of Physical Chemistry C*, **2010**, 114, 7727-7732	3.8	253