

Chen Zhou

List of Publications by Year in descending order

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44
papers

3,777
citations

201575

27
h-index

223716

46
g-index

47
all docs

47
docs citations

47
times ranked

5158
citing authors

#	ARTICLE	IF	CITATIONS
1	Different sized luminescent gold nanoparticles. <i>Nanoscale</i> , 2012, 4, 4073.	2.8	554
2	Passive Tumor Targeting of Renal-Clearable Luminescent Gold Nanoparticles: Long Tumor Retention and Fast Normal Tissue Clearance. <i>Journal of the American Chemical Society</i> , 2013, 135, 4978-4981.	6.6	534
3	Luminescent Gold Nanoparticles with Efficient Renal Clearance. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3168-3172.	7.2	401
4	Luminescent Gold Nanoparticles with Mixed Valence States Generated from Dissociation of Polymeric Au(I) Thiolates. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7727-7732.	1.5	277
5	Renal clearable inorganic nanoparticles: a new frontier of bionanotechnology. <i>Materials Today</i> , 2013, 16, 477-486.	8.3	276
6	PEGylation and Zwitterionization: Pros and Cons in the Renal Clearance and Tumor Targeting of Near-Infrared Emitting Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12572-12576.	7.2	237
7	Near-Infrared Emitting Radioactive Gold Nanoparticles with Molecular Pharmacokinetics. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10118-10122.	7.2	184
8	Luminescent Gold Nanoparticles with pH-Dependent Membrane Adsorption. <i>Journal of the American Chemical Society</i> , 2011, 133, 11014-11017.	6.6	179
9	Renal Clearance and Degradation of Glutathione-Coated Copper Nanoparticles. <i>Bioconjugate Chemistry</i> , 2015, 26, 511-519.	1.8	78
10	Photoluminescent carbon nanoparticles produced by confined combustion of aromatic compounds. <i>Carbon</i> , 2012, 50, 1298-1302.	5.4	61
11	Single Ag Nanoparticle Spectroelectrochemistry via Dark-Field Scattering and Fluorescence Microscopies. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6760-6768.	1.5	57
12	Grain size effects in polycrystalline gold nanoparticles. <i>Nanoscale</i> , 2012, 4, 4228.	2.8	51
13	Interactions of Renal-Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4314-4319.	7.2	51
14	Engineering trace AuNPs on monodispersed carbonized organosilica microspheres drives highly efficient and low-cost solar water purification. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13311-13319.	5.2	48
15	Glutathione-Coated Luminescent Gold Nanoparticles: A Surface Ligand for Minimizing Serum Protein Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11829-11833.	4.0	47
16	In-situ hydrothermal fabrication of CdS/g-C ₃ N ₄ nanocomposites for enhanced photocatalytic water splitting. <i>Materials Letters</i> , 2019, 240, 128-131.	1.3	44
17	Luminescent gold nanoparticles: A new class of nanoprobes for biomedical imaging. <i>Experimental Biology and Medicine</i> , 2013, 238, 1199-1209.	1.1	41
18	Gold nanoparticles' biomembrane interactions: From fundamental to simulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111312.	2.5	40

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19	Structurally Ordered AgNPs@C ₃ N ₄ /GO Membranes toward Solar-Driven Freshwater Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4362-4370.	3.2	39
20	A europium(III)-based PARACEST agent for sensing singlet oxygen by MRI. <i>Dalton Transactions</i> , 2013, 42, 8066.	1.6	35
21	Synthesis and Characterization of Telluride Aerogels: Effect of Gelation on Thermoelectric Performance of Bi ₂ Te ₃ and Bi ₂ Sb ₃ Te ₃ Nanostructures. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17431-17439.	1.5	34
22	One-Step Interfacial Synthesis and Assembly of Ultrathin Luminescent AuNPs/Silica Membranes. <i>Advanced Materials</i> , 2012, 24, 3218-3222.	11.1	31
23	Ternary noble-metal-free heterostructured NiS ₂ -CuS ₂ -C ₃ N ₄ with near-infrared response for enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4084-4094.	3.8	30
24	Microwave-assisted synthesis of AuNPs/CdS composite nanorods for enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Science</i> , 2019, 54, 6930-6942.	1.7	29
25	Effect of Hydrophobicity on Nano-Bio Interactions of Zwitterionic Luminescent Gold Nanoparticles at the Cellular Level. <i>Bioconjugate Chemistry</i> , 2018, 29, 1841-1846.	1.8	26
26	Synthesis of Five-Membered Osmacycloallenes and Conversion into Six-Membered Osmacycloallenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13361-13364.	7.2	22
27	One-step synthesis of hierarchical AuNPs/Cd _{0.5} Zn _{0.5} S nanoarchitectures and their application as an efficient photocatalyst for hydrogen production. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 72, 338-345.	2.9	22
28	A new Ni ^{II} -diaminoglyoxime-g-C ₃ N ₄ complex towards efficient photocatalytic ethanol splitting via a ligand-to-metal charge transfer (LMCT) mechanism. <i>Chemical Communications</i> , 2020, 56, 7171-7174.	2.2	20
29	Visible light-driven the splitting of ethanol into hydrogen and acetaldehyde catalyzed by fibrous AgNPs/CdS hybrids at room temperature. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 182-189.	2.7	17
30	Interactions of Renal-Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. <i>Angewandte Chemie</i> , 2017, 129, 4378-4383.	1.6	16
31	Synergistic Effect of Dual Particle-Size AuNPs on TiO ₂ for Efficient Photocatalytic Hydrogen Evolution. <i>Nanomaterials</i> , 2019, 9, 499.	1.9	14
32	Glutathione-triggered luminescent silver nanoparticle: A urinary clearable nanoparticle for potential clinical practice. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 751-755.	2.5	13
33	Glutathione-Mediated Cu(I)/Cu(II) Complexes: Valence-Dependent Effects on Clearance and In Vivo Imaging Application. <i>Nanomaterials</i> , 2017, 7, 132.	1.9	11
34	Combination of Photothermal Conversion and Photocatalysis toward Water Purification. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4579-4587.	1.8	10
35	Luminescent gold nanoparticles as dual-modality sensors for selective copper (II) ion detection. <i>Materials Letters</i> , 2018, 232, 70-73.	1.3	9
36	Surface-Chemistry Effect on Cellular Response of Luminescent Plasmonic Silver Nanoparticles. <i>Bioconjugate Chemistry</i> , 2014, 25, 453-459.	1.8	7

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37	Renal Clearable Gold Nanoparticle-Functionalized Silk Film for in vivo Fluorescent Temperature Mapping. <i>Frontiers in Chemistry</i> , 2020, 8, 364.	1.8	5
38	Synthesis of gold nanoclusters: a fluorescent marker for water-soluble TiO ₂ nanotubes. <i>Nanotechnology</i> , 2011, 22, 065601.	1.3	4
39	Resonance zones and quasi-linear diffusion coefficients for radiation belt energetic electron interaction with oblique chorus waves in the Dungey magnetosphere. <i>Physics of Plasmas</i> , 2012, 19, 072904.	0.7	3
40	Renal-clearable dye-conjugated silver nanoparticles for in vivo plasma biothiolsensing through urinalysis. <i>Sensors and Actuators B: Chemical</i> , 2022, 365, 131908.	4.0	3
41	Photoinitiated Interfacial Thiol-ene Click Chemistry for the Synthesis of Luminescent Hollow Polymer Colloids by Synchronously Anchoring CdTe Nanocrystals. <i>Chemistry Letters</i> , 2018, 47, 1194-1196.	0.7	2
42	Editorial: The Golden Era: Gold Nanomaterials for Bioapplications. <i>Frontiers in Chemistry</i> , 2020, 8, 780.	1.8	2
43	Decomposition of Amino Acids Catalyzed by Plasmonic Gold Nanoparticles. <i>Science of Advanced Materials</i> , 2012, 4, 813-818.	0.1	2
44	Hydrogen Generation from Photoelectrochemical Water Splitting. , 2018, , 121-157.		0