

Zhenzhen Huang

List of Publications by Year in descending order

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38
papers

700
citations

471509

17
h-index

580821

25
g-index

38
all docs

38
docs citations

38
times ranked

1023
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-Specific DNA-Programmed Growth of Fluorescent and Functional Silver Nanoclusters. <i>Chemistry - A European Journal</i> , 2011, 17, 3774-3780.	3.3	85
2	Copper-Cysteamine Nanoparticles as a Heterogeneous Fenton-Like Catalyst for Highly Selective Cancer Treatment. <i>ACS Applied Bio Materials</i> , 2020, 3, 1804-1814.	4.6	69
3	Versatile Logic Devices Based on Programmable DNA-Regulated Silver-Nanocluster Signal Transducers. <i>Chemistry - A European Journal</i> , 2012, 18, 6663-6669.	3.3	67
4	Gold Nanoparticle-Based Facile Detection of Human Serum Albumin and Its Application as an INHIBIT Logic Gate. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8990-8998.	8.0	43
5	Aggregation-Enhanced Emission of Gold Nanoclusters Induced by Serum Albumin and Its Application to Protein Detection and Fabrication of Molecular Logic Gates. <i>ACS Omega</i> , 2018, 3, 12763-12769.	3.5	28
6	Investigation of efficient synergistic and protective effects of chitosan on copper nanoclusters: Construction of highly active and stable nanozyme for colorimetric and fluorometric dual-signal biosensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 332, 129522.	7.8	27
7	Electrostatically confined in-situ preparation of stable glutathione-capped copper nanoclusters for fluorescence detection of lysozyme. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128305.	7.8	26
8	Citrate-Regulated Surface Morphology of SiO ₂ @Au Particles To Control the Surface Plasmonic Properties. <i>Journal of Physical Chemistry C</i> , 2016, 120, 377-385.	3.1	25
9	Molecular crowding-facilitated synthesis of DNA-templated Ag nanoclusters with enhanced fluorescence emission and quantum yield. <i>Chemical Communications</i> , 2013, 49, 10856.	4.1	24
10	Gold Nanoclusters-Decorated Zeolitic Imidazolate Frameworks with Reactive Oxygen Species Generation for Photoenhanced Antibacterial Study. <i>Bioconjugate Chemistry</i> , 2020, 31, 2439-2445.	3.6	23
11	The exploration of novel fluorescent copper-cysteamine nanosheets for sequential detection of Fe ³⁺ and dopamine and fabrication of molecular logic circuits. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12935-12942.	5.5	23
12	Glutathione-facilitated design and fabrication of gold nanoparticle-based logic gates and keypad lock. <i>Nanoscale</i> , 2014, 6, 8300-8305.	5.6	22
13	Effects of Nanoparticle Size and Radiation Energy on Copper-Cysteamine Nanoparticles for X-ray Induced Photodynamic Therapy. <i>Nanomaterials</i> , 2020, 10, 1087.	4.1	22
14	Confining copper nanoclusters on exfoliation-free 2D boehmite nanosheets: Fabrication of ultra-sensitive sensing platform for Î±-glucosidase activity monitoring and natural anti-diabetes drug screening. <i>Biosensors and Bioelectronics</i> , 2021, 182, 113198.	10.1	21
15	Size-selective separation of DNA fragments by using lysine-functionalized silica particles. <i>Scientific Reports</i> , 2016, 6, 22029.	3.3	20
16	One-pot synthesis of size-tunable hollow gold nanoshells via APTES-in-water suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 502, 6-12.	4.7	20
17	Dual-emitting zein-protected gold nanoclusters for ratiometric fluorescence detection of Hg ²⁺ /Ag ⁺ ions in both aqueous solution and self-assembled protein film. <i>New Journal of Chemistry</i> , 2019, 43, 14678-14683.	2.8	19
18	A reversible DNA-silver nanoclusters-based molecular fluorescence switch and its use for logic gate operation. <i>Molecular BioSystems</i> , 2012, 8, 921.	2.9	14

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19	Improved activity of immobilized horseradish peroxidase on gold nanoparticles in the presence of bovine serum albumin. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	14
20	Glutathione-Capped Au Nanoclusters Embedded in NaCl Crystals for White Light-Emitting Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 7486-7492.	5.0	13
21	Confining copper nanoclusters in three dimensional mesoporous silica particles: Fabrication of an enhanced emission platform for "turn off-on" detection of acid phosphatase activity. <i>Analytica Chimica Acta</i> , 2022, 1192, 339387.	5.4	13
22	Cancer Treatment: Incorporating Graphene Oxide and Gold Nanoclusters: A Synergistic Catalyst with Surprisingly High Peroxidase-Like Activity Over a Broad pH Range and its Application for Cancer Cell Detection (<i>Adv. Mater.</i> 18/2013). <i>Advanced Materials</i> , 2013, 25, 2510-2510.	21.0	8
23	Molecular crowding-modulated fluorescence emission of gold nanoclusters: Ligand-dependent behaviors and application in improved biosensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129290.	7.8	8
24	Lighting-Up Single-Walled Carbon Nanotubes with Silver Nanoclusters. <i>Chemistry - A European Journal</i> , 2011, 17, 7745-7749.	3.3	7
25	Bovine serum albumin assisted preparation of ultra-stable gold nanoflowers and their selective Raman response to charged dyes. <i>RSC Advances</i> , 2019, 9, 28228-28233.	3.6	7
26	Histidine-directed formation of nearly monodispersed silver nanoflowers and their ultra-high peroxidase-like activity under physiological pH. <i>Applied Surface Science</i> , 2020, 532, 147457.	6.1	7
27	Polyelectrolyte-assisted preparation of gold nanocluster-doped silica particles with high incorporation efficiency and improved stability. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	6
28	Luminescent metal clusters/barium sulfate composites for white light-emitting devices and anti-counterfeiting labels. <i>RSC Advances</i> , 2018, 8, 2866-2871.	3.6	6
29	Effects of Cu ²⁺ on aggregation behavior of poly (l-Glutamic Acid)-functionalized gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	5
30	Fabrication of Bovine Serum Albumin@Au Particles for Colorimetric Detection of Glutathione. <i>ACS Applied Bio Materials</i> , 2020, 3, 9109-9116.	4.6	5
31	Facile Synthesis, Enhanced Photostability, and Long-term Cellular Imaging of Bright Red Luminescent Organosilica Nanoparticles. <i>ACS Applied Bio Materials</i> , 2020, 3, 5438-5445.	4.6	4
32	Construction of a copper nanocluster/MnO ₂ nanosheet-based fluorescent platform for butyrylcholinesterase activity detection and anti-Alzheimer's drug screening. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4783-4788.	5.8	4
33	N-Doped Carbon Dots Embedded in Silica Nanoparticles with Multicolor Luminescence for Light-Emitting Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 13625-13632.	5.0	4
34	3-Aminopropyltriethoxysilane-directed formation of Au popcorns for colorimetric and SERS dual detection of cysteine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129033.	4.7	4
35	Phase Engineering of Hydrophobic Meso-Environments in Silica Particles for Technical Performance Enrichment. <i>Langmuir</i> , 2018, 34, 7428-7435.	3.5	3
36	Au Nanoflowers for Catalyzing and In Situ Surface-Enhanced Raman Spectroscopy Monitoring of the Dimerization of p-Aminothiophenol. <i>ACS Omega</i> , 2021, 6, 25720-25728.	3.5	3

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37	Fabrication of prime number checkers based on colorimetric responses of gold nanoparticles. <i>New Journal of Chemistry</i> , 2019, 43, 8728-8734.	2.8	1
38	Histidine-directed formation of Ag octopods via pseudomorphic transformation of Ag ₂ O. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5478-5485.	5.9	0