Jianping Xie

List of Publications by Year in descending order

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367	31,670	3334	5120
papers	citations	91 h-index	166 g-index

386	386	386	26947
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protein-Directed Synthesis of Highly Fluorescent Gold Nanoclusters. Journal of the American Chemical Society, 2009, 131, 888-889.	13.7	2,298
2	From Aggregation-Induced Emission of Au(I)â€“Thiolate Complexes to Ultrabright Au(0)@Au(I)â€“Thiolate Coreâ€“Shell Nanoclusters. Journal of the American Chemical Society, 2012, 134, 16662-16670.	13.7	1,340
3	Highly selective and ultrasensitive detection ofHg2+ based on fluorescence quenching of Au nanoclusters by Hg2+â€“Au+ interactions. Chemical Communications, 2010, 46, 961-963.	4.1	677
4	Luminescent Metal Nanoclusters with Aggregation-Induced Emission. Journal of Physical Chemistry Letters, 2016, 7, 962-975.	4.6	595
5	The Synthesis of SERS-Active Gold Nanoflower Tags for In Vivo Applications. ACS Nano, 2008, 2, 2473-2480.	14.6	578
6	Silver Nanoplates: From Biological to Biomimetic Synthesis. ACS Nano, 2007, 1, 429-439.	14.6	501
7	Antimicrobial silver nanomaterials. Coordination Chemistry Reviews, 2018, 357, 1-17.	18.8	499
8	Identification of a Highly Luminescent Au₂₂(SG)₁₈ Nanocluster. Journal of the American Chemical Society, 2014, 136, 1246-1249.	13.7	490
9	Antimicrobial Gold Nanoclusters. ACS Nano, 2017, 11, 6904-6910.	14.6	469
10	Toward Total Synthesis of Thiolate-Protected Metal Nanoclusters. Accounts of Chemical Research, 2018, 51, 1338-1348.	15.6	422
11	Clusterization-triggered emission: Uncommon luminescence from common materials. Materials Today, 2020, 32, 275-292.	14.2	407
12	Titanium dioxide nanomaterials cause endothelial cell leakiness by disrupting the homophilic interaction of VEâ€“cadherin. Nature Communications, 2013, 4, 1673.	12.8	401
13	Engineering ultrasmall water-soluble gold and silver nanoclusters for biomedical applications. Chemical Communications, 2014, 50, 5143-5155.	4.1	394
14	Ultrasmall Au_{10â^'12}(SG)_{10â^'12} Nanomolecules for High Tumor Specificity and Cancer Radiotherapy. Advanced Materials, 2014, 26, 4565-4568.	21.0	386
15	Seedless, Surfactantless, High-Yield Synthesis of Branched Gold Nanocrystals in HEPES Buffer Solution. Chemistry of Materials, 2007, 19, 2823-2830.	6.7	382
16	Synthesis of Highly Fluorescent Metal (Ag, Au, Pt, and Cu) Nanoclusters by Electrostatically Induced Reversible Phase Transfer. ACS Nano, 2011, 5, 8800-8808.	14.6	362
17	Identification of Active Biomolecules in the High-Yield Synthesis of Single-Crystalline Gold Nanoplates in Algal Solutions. Small, 2007, 3, 672-682.	10.0	323
18	Glutathione-Protected Silver Nanoclusters as Cysteine-Selective Fluorometric and Colorimetric Probe. Analytical Chemistry, 2013, 85, 1913-1919.	6.5	312

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19	Enhanced Tumor Accumulation of Subâ€2 nm Gold Nanoclusters for Cancer Radiation Therapy. Advanced Healthcare Materials, 2014, 3, 133-141.	7.6	309
20	Antimicrobial Cluster Bombs: Silver Nanoclusters Packed with Daptomycin. ACS Nano, 2016, 10, 7934-7942.	14.6	304
21	Reversible Lithiumâ€Ion Storage in Silverâ€Treated Nanoscale Hollow Porous Silicon Particles. Angewandte Chemie - International Edition, 2012, 51, 2409-2413.	13.8	299
22	Luminescent Noble Metal Nanoclusters as an Emerging Optical Probe for Sensor Development. Chemistry - an Asian Journal, 2013, 8, 858-871.	3.3	299
23	Toward Understanding the Growth Mechanism: Tracing All Stable Intermediate Species from Reduction of Au(I)â€“Thiolate Complexes to Evolution of Au₂₅ Nanoclusters. Journal of the American Chemical Society, 2014, 136, 10577-10580.	13.7	294
24	Fe₂O₃ Nanoneedles on Ultrafine Nickel Nanotube Arrays as Efficient Anode for Highâ€Performance Asymmetric Supercapacitors. Advanced Functional Materials, 2017, 27, 1606728.	14.9	284
25	Recent advances in the synthesis and catalytic applications of ligand-protected, atomically precise metal nanoclusters. Coordination Chemistry Reviews, 2016, 322, 1-29.	18.8	281
26	Functionalization of metal nanoclusters for biomedical applications. Analyst, The, 2016, 141, 3126-3140.	3.5	279
27	Atomicâ€Precision Gold Clusters for NIRâ€II Imaging. Advanced Materials, 2019, 31, e1901015.	21.0	279
28	Balancing the Rate of Cluster Growth and Etching for Gramâ€Scale Synthesis of Thiolateâ€Protected Au₂₅ Nanoclusters with Atomic Precision. Angewandte Chemie - International Edition, 2014, 53, 4623-4627.	13.8	276
29	Scalable and Precise Synthesis of Thiolated Au_{10â€“12}, Au₁₅, Au₁₈, and Au₂₅ Nanoclusters via pH Controlled CO Reduction. Chemistry of Materials, 2013, 25, 946-952.	6.7	238
30	Highly luminescent silver nanoclusters with tunable emissions: cyclic reductionâ€“decomposition synthesis and antimicrobial properties. NPG Asia Materials, 2013, 5, e39-e39.	7.9	237
31	Hierarchically Structured Co3O4@Pt@MnO2 Nanowire Arrays for High-Performance Supercapacitors. Scientific Reports, 2013, 3, 2978.	3.3	234
32	Directing Assembly and Disassembly of 2D MoS₂ Nanosheets with DNA for Drug Delivery. ACS Applied Materials & Interfaces, 2017, 9, 15286-15296.	8.0	232
33	Understanding seed-mediated growth of gold nanoclusters at molecular level. Nature Communications, 2017, 8, 927.	12.8	228
34	Metabolizable Bi₂Se₃ Nanoplates: Biodistribution, Toxicity, and Uses for Cancer Radiation Therapy and Imaging. Advanced Functional Materials, 2014, 24, 1718-1729.	14.9	226
35	Ultrasmall Glutathione-Protected Gold Nanoclusters as Next Generation Radiotherapy Sensitizers with High Tumor Uptake and High Renal Clearance. Scientific Reports, 2015, 5, 8669.	3.3	212
36	Highly Luminescent Thiolated Gold Nanoclusters Impregnated in Nanogel. Chemistry of Materials, 2016, 28, 4009-4016.	6.7	212

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37	Roles of thiolate ligands in the synthesis, properties and catalytic application of gold nanoclusters. Coordination Chemistry Reviews, 2018, 368, 60-79.	18.8	209
38	Lowâ€Dimensional Transition Metal Dichalcogenide Nanostructures Based Sensors. Advanced Functional Materials, 2016, 26, 7034-7056.	14.9	208
39	Bio-NCs â€“ the marriage of ultrasmall metal nanoclusters with biomolecules. Nanoscale, 2014, 6, 13328-13347.	5.6	199
40	Optimization of High-Yield Biological Synthesis of Single-Crystalline Gold Nanoplates. Journal of Physical Chemistry B, 2005, 109, 15256-15263.	2.6	197
41	Unraveling the Impact of Gold(I)â€“Thiolate Motifs on the Aggregationâ€Induced Emission of Gold Nanoclusters. Angewandte Chemie - International Edition, 2020, 59, 9934-9939.	13.8	196
42	Back to Basics: Exploiting the Innate Physicoâ€chemical Characteristics of Nanomaterials for Biomedical Applications. Advanced Functional Materials, 2014, 24, 5936-5955.	14.9	192
43	Integrated Hierarchical Carbon Flake Arrays with Hollow Pâ€Doped CoSe₂ Nanoclusters as an Advanced Bifunctional Catalyst for Znâ€“Air Batteries. Advanced Functional Materials, 2018, 28, 1804846.	14.9	192
44	Lighting up thiolated Au@Ag nanoclusters via aggregation-induced emission. Nanoscale, 2014, 6, 157-161.	5.6	186
45	Aurophilic Interactions in the Selfâ€Assembly of Gold Nanoclusters into Nanoribbons with Enhanced Luminescence. Angewandte Chemie - International Edition, 2019, 58, 8139-8144.	13.8	185
46	Synthesis of Single-Crystalline Gold Nanoplates in Aqueous Solutions through Biomineralization by Serum Albumin Protein. Journal of Physical Chemistry C, 2007, 111, 10226-10232.	3.1	179
47	Hierarchical heterostructures of Ag nanoparticles decorated MnO₂nanowires as promising electrodes for supercapacitors. Journal of Materials Chemistry A, 2015, 3, 1216-1221.	10.3	179
48	Monodisperse Icosahedral Ag, Au, and Pd Nanoparticles: Size Control Strategy and Superlattice Formation. ACS Nano, 2009, 3, 139-148.	14.6	175
49	Engineering gold-based radiosensitizers for cancer radiotherapy. Materials Horizons, 2017, 4, 817-831.	12.2	173
50	Engineering Functional Metal Materials at the Atomic Level. Advanced Materials, 2018, 30, e1802751.	21.0	170
51	Theranostic vitamin E TPGS micelles of transferrin conjugation for targeted co-delivery of docetaxel and ultra bright gold nanoclusters. Biomaterials, 2015, 39, 234-248.	11.4	169
52	Dual Recognition Strategy for Specific and Sensitive Detection of Bacteria Using Aptamer-Coated Magnetic Beads and Antibiotic-Capped Gold Nanoclusters. Analytical Chemistry, 2016, 88, 820-825.	6.5	163
53	Mechanistic exploration and controlled synthesis of precise thiolate-gold nanoclusters. Coordination Chemistry Reviews, 2016, 329, 1-15.	18.8	161
54	The influence of lysosomal stability of silver nanomaterials on their toxicity to human cells. Biomaterials, 2014, 35, 6707-6715.	11.4	158

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55	Observation of Cluster Size Growth in CO-Directed Synthesis of Au₂₅(SR)₁₈ Nanoclusters. ACS Nano, 2012, 6, 7920-7927.	14.6	157
56	A New Class of NIRâ€II Gold Nanoclusterâ€Based Protein Biolabels for Inâ€...Vivo Tumorâ€Targeted Imaging. Angewandte Chemie - International Edition, 2021, 60, 1306-1312.	13.8	155
57	Proteome-wide lysine acetylation profiling of the human pathogen Mycobacterium tuberculosis. International Journal of Biochemistry and Cell Biology, 2015, 59, 193-202.	2.8	148
58	The support effect on the size and catalytic activity of thiolated Au₂₅nanoclusters as precatalysts. Nanoscale, 2015, 7, 6325-6333.	5.6	142
59	Synthesis of Ag@AgAu Metal Core/Alloy Shell Bimetallic Nanoparticles with Tunable Shell Compositions by a Galvanic Replacement Reaction. Small, 2008, 4, 1067-1071.	10.0	139
60	Ultrasmall Ag+-rich nanoclusters as highly efficient nanoreservoirs for bacterial killing. Nano Research, 2014, 7, 301-307.	10.4	139
61	Introducing Amphiphilicity to Noble Metal Nanoclusters via Phase-Transfer Driven Ion-Pairing Reaction. Journal of the American Chemical Society, 2015, 137, 2128-2136.	13.7	139
62	Nanostructured LiMn2O4 and their composites as high-performance cathodes for lithium-ion batteries. Progress in Natural Science: Materials International, 2012, 22, 572-584.	4.4	137
63	Monodispersity control in the synthesis of monometallic and bimetallic quasi-spherical gold and silver nanoparticles. Nanoscale, 2010, 2, 1962.	5.6	134
64	Luminescent metal nanoclusters: Biosensing strategies and bioimaging applications. Aggregate, 2021, 2, 114-132.	9.9	133
65	Recent advances in the synthesis, characterization, and biomedical applications of ultrasmall thiolated silver nanoclusters. RSC Advances, 2014, 4, 60581-60596.	3.6	128
66	Boiling water synthesis of ultrastable thiolated silver nanoclusters with aggregation-induced emission. Chemical Communications, 2015, 51, 15165-15168.	4.1	128
67	Ligand Design in Ligandâ€Protected Gold Nanoclusters. Small, 2021, 17, e2004381.	10.0	128
68	Electrospray Ionization Mass Spectrometry: A Powerful Platform for Nobleâ€Metal Nanocluster Analysis. Angewandte Chemie - International Edition, 2019, 58, 11967-11977.	13.8	125
69	Directed Self-Assembly of Ultrasmall Metal Nanoclusters. , 2019, 1, 237-248.		124
70	Direct extraction of specific pharmacophoric flavonoids from gingko leaves using a molecularly imprinted polymer for quercetin. Journal of Chromatography A, 2001, 934, 1-11.	3.7	122
71	Precise control of alloying sites of bimetallic nanoclusters via surface motif exchange reaction. Nature Communications, 2017, 8, 1555.	12.8	122
72	The potent antimicrobial properties of cell penetrating peptide-conjugated silver nanoparticles with excellent selectivity for Gram-positive bacteria over erythrocytes. Nanoscale, 2013, 5, 3834.	5.6	120

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73	Bacteriophage Polysaccharide Depolymerases and Biomedical Applications. BioDrugs, 2014, 28, 265-274.	4.6	120
74	Highly luminescent Ag+ nanoclusters for Hg2+ ion detection. Nanoscale, 2012, 4, 1968.	5.6	118
75	Engineering noble metal nanomaterials for environmental applications. Nanoscale, 2015, 7, 7502-7519.	5.6	116
76	Surface Ligand Chemistry of Gold Nanoclusters Determines Their Antimicrobial Ability. Chemistry of Materials, 2018, 30, 2800-2808.	6.7	115
77	Supported Atomically-Precise Gold Nanoclusters for Enhanced Flow-through Electro-Fenton. Environmental Science & Technology, 2020, 54, 5913-5921.	10.0	113
78	A graphene-based electrochemical filter for water purification. Journal of Materials Chemistry A, 2014, 2, 16554-16562.	10.3	108
79	Molecular reactivity of thiolate-protected noble metal nanoclusters: synthesis, self-assembly, and applications. Chemical Science, 2021, 12, 99-127.	7.4	108
80	Novel Theranostic DNA Nanoscaffolds for the Simultaneous Detection and Killing of Escherichia coli and Staphylococcus aureus. ACS Applied Materials & Interfaces, 2014, 6, 21822-21831.	8.0	107
81	Amphiphilic Polymeric Nanocarriers with Luminescent Gold Nanoclusters for Concurrent Bioimaging and Controlled Drug Release. Advanced Functional Materials, 2013, 23, 4324-4331.	14.9	105
82	High-Yield Synthesis of Complex Gold Nanostructures in a Fungal System. Journal of Physical Chemistry C, 2007, 111, 16858-16865.	3.1	103
83	First Succinyl-Proteome Profiling of Extensively Drug-Resistant Mycobacterium tuberculosis Revealed Involvement of Succinylation in Cellular Physiology. Journal of Proteome Research, 2015, 14, 107-119.	3.7	103
84	Recent Advances in the Synthesis and Applications of Ultrasmall Bimetallic Nanoclusters. Particle and Particle Systems Characterization, 2015, 32, 613-629.	2.3	102
85	Energy Transfer between Conjugated-Oligoelectrolyte-Substituted POSS and Gold Nanocluster for Multicolor Intracellular Detection of Mercury Ion. Journal of Physical Chemistry C, 2011, 115, 13069-13075.	3.1	100
86	Ultrafine LiMn2O4/carbon nanotube nanocomposite with excellent rate capability and cycling stability for lithium-ion batteries. Journal of Power Sources, 2012, 212, 28-34.	7.8	100
87	Engineering the architectural diversity of heterogeneous metallic nanocrystals. Nature Communications, 2013, 4, 1454.	12.8	100
88	Precursor engineering and controlled conversion for the synthesis of monodisperse thiolate-protected metal nanoclusters. Nanoscale, 2013, 5, 4606.	5.6	100
89	Pro-inflammatory responses of RAW264.7 macrophages when treated with ultralow concentrations of silver, titanium dioxide, and zinc oxide nanoparticles. Journal of Hazardous Materials, 2015, 297, 146-152.	12.4	99
90	Hierarchical TiO2-B nanowire@Î±-Fe2O3 nanothorn core-branch arrays as superior electrodes for lithium-ion microbatteries. Nano Research, 2014, 7, 1797-1808.	10.4	97

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91	Synthesis of Monodisperse Agï£¿Au Alloy Nanoparticles with Independently Tunable Morphology, Composition, Size, and Surface Chemistry and Their 3â€D Superlattices. Advanced Functional Materials, 2009, 19, 1387-1398.	14.9	96
92	Golden Carbon Nanotube Membrane for Continuous Flow Catalysis. Industrial & Engineering Chemistry Research, 2017, 56, 2999-3007.	3.7	92
93	Engineering Ultrasmall Metal Nanoclusters as Promising Theranostic Agents. Trends in Chemistry, 2020, 2, 665-679.	8.5	92
94	Unexpected extensive lysine acetylation in the trump-card antibiotic producer Streptomyces roseosporus revealed by proteome-wide profiling. Journal of Proteomics, 2014, 106, 260-269.	2.4	91
95	Interfacial engineering of gold nanoclusters for biomedical applications. Materials Horizons, 2020, 7, 2596-2618.	12.2	91
96	Cyclodextrinâ€“gold nanocluster decorated TiO₂ enhances photocatalytic decomposition of organic pollutants. Journal of Materials Chemistry A, 2018, 6, 1102-1108.	10.3	90
97	Molecular-Scale Ligand Effects in Small Goldâ€“Thiolate Nanoclusters. Journal of the American Chemical Society, 2018, 140, 15430-15436.	13.7	90
98	Synthesis of Water-Soluble [Au₂₅(SR)₁₈]^{â^'} Using a Stoichiometric Amount of NaBH₄. Journal of the American Chemical Society, 2018, 140, 11370-11377.	13.7	90
99	Rapid adsorption removal of arsenate by hydrous cerium oxideâ€“graphene composite. RSC Advances, 2015, 5, 64983-64990.	3.6	89
100	Presentation matters: Identity of gold nanocluster capping agent governs intracellular uptake and cell metabolism. Nano Research, 2014, 7, 805-815.	10.4	88
101	Revealing isoelectronic size conversion dynamics of metal nanoclusters by a noncrystallization approach. Nature Communications, 2018, 9, 1979.	12.8	88
102	Gold nanocluster sensitized TiO₂nanotube arrays for visible-light driven photoelectrocatalytic removal of antibiotic tetracycline. Nanoscale, 2016, 8, 10145-10151.	5.6	87
103	Correlations between the fundamentals and applications of ultrasmall metal nanoclusters: Recent advances in catalysis and biomedical applications. Nano Today, 2021, 36, 101053.	11.9	86
104	Atomic-precision Pt6 nanoclusters for enhanced hydrogen electro-oxidation. Nature Communications, 2022, 13, 1596.	12.8	86
105	Nanostructured Iron Oxide/Hydroxideâ€Based Electrode Materials for Supercapacitors. ChemNanoMat, 2016, 2, 588-600.	2.8	82
106	Counterionâ€Assisted Shaping of Nanocluster Supracrystals. Angewandte Chemie - International Edition, 2015, 54, 184-189.	13.8	81
107	Nitrogen-doped graphene nanosheets as reactive water purification membranes. Nano Research, 2016, 9, 1983-1993.	10.4	81
108	Antibiotic drugs targeting bacterial RNAs. Acta Pharmaceutica Sinica B, 2014, 4, 258-265.	12.0	79

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109	Stellated Ag-Pt bimetallic nanoparticles: An effective platform for catalytic activity tuning. Scientific Reports, 2014, 4, 3969.	3.3	79
110	Colloidal Synthesis of Plasmonic Metallic Nanoparticles. Plasmonics, 2009, 4, 9-22.	3.4	78
111	Convenient purification of gold clusters by co-precipitation for improved sensing of hydrogen peroxide, mercury ions and pesticides. Chemical Communications, 2014, 50, 5703.	4.1	78
112	Electrochemical wastewater treatment with carbon nanotube filters coupled with in situ generated H₂O₂. Environmental Science: Water Research and Technology, 2015, 1, 769-778.	2.4	78
113	Hydrophilic Mineral Coating of Membrane Substrate for Reducing Internal Concentration Polarization (ICP) in Forward Osmosis. Scientific Reports, 2016, 6, 19593.	3.3	77
114	Structure and formation of highly luminescent protein-stabilized gold clusters. Chemical Science, 2018, 9, 2782-2790.	7.4	76
115	Design and mechanistic study of a novel gold nanocluster-based drug delivery system. Nanoscale, 2018, 10, 10166-10172.	5.6	76
116	Insights into the effect of surface ligands on the optical properties of thiolated Au₂₅nanoclusters. Chemical Communications, 2016, 52, 5234-5237.	4.1	75
117	Composition-Dependent Antimicrobial Ability of Full-Spectrum Au_xAg_{25â€“x} Alloy Nanoclusters. ACS Nano, 2020, 14, 11533-11541.	14.6	75
118	Twoâ€Phase Synthesis of Small Thiolateâ€Protected Au₁₅ and Au₁₈ Nanoclusters. Small, 2013, 9, 2696-2701.	10.0	74
119	Increasing the Potential Interacting Area of Nanomedicine Enhances Its Homotypic Cancer Targeting Efficacy. ACS Nano, 2020, 14, 3259-3271.	14.6	74
120	Aggregation-induced emission in luminescent metal nanoclusters. National Science Review, 2021, 8, nwaa208.	9.5	74
121	Real Time Monitoring of the Dynamic Intracluster Diffusion of Single Gold Atoms into Silver Nanoclusters. Journal of the American Chemical Society, 2019, 141, 18977-18983.	13.7	73
122	Fast Synthesis of Thiolated Au₂₅ Nanoclusters via Protectionâ€“Deprotection Method. Journal of Physical Chemistry Letters, 2012, 3, 2310-2314.	4.6	71
123	Synergistic Antimicrobial Titanium Carbide (MXene) Conjugated with Gold Nanoclusters. Advanced Healthcare Materials, 2020, 9, e2001007.	7.6	71
124	Tailoring the Selectivity of Bimetallic Copperâ€“Palladium Nanoalloys for Electrocatalytic Reduction of CO₂ to CO. ACS Applied Energy Materials, 2018, 1, 883-890.	5.1	68
125	Architectural Design of Heterogeneous Metallic Nanocrystalsâ€”Principles and Processes. Accounts of Chemical Research, 2014, 47, 3530-3540.	15.6	66
126	Enhancing stability through ligand-shell engineering: A case study with Au25(SR)18 nanoclusters. Nano Research, 2015, 8, 3488-3495.	10.4	66

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127	Unique size-dependent nanocatalysis revealed at the single atomically precise gold cluster level. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10588-10593.	7.1	65
128	Tuning the Crystallinity of Au Nanoparticles. Small, 2010, 6, 523-527.	10.0	64
129	Protein-based fluorescent metal nanoclusters for small molecular drug screening. Chemical Communications, 2014, 50, 13805-13808.	4.1	64
130	Shining photocatalysis by gold-based nanomaterials. Nano Energy, 2021, 88, 106306.	16.0	64
131	Tuning the Accessibility and Activity of Au₂₅(SR)₁₈ Nanocluster Catalysts through Ligand Engineering. Chemistry - A European Journal, 2016, 22, 14816-14820.	3.3	63
132	Control of single-ligand chemistry on thiolated Au25 nanoclusters. Nature Communications, 2020, 11, 5498.	12.8	63
133	Mycobacterium tuberculosis PE_PGRS41 Enhances the Intracellular Survival of M. smegmatis within Macrophages Via Blocking Innate Immunity and Inhibition of Host Defense. Scientific Reports, 2017, 7, 46716.	3.3	62
134	Conductive 3D sponges for affordable and highly-efficient water purification. Nanoscale, 2018, 10, 4771-4778.	5.6	61
135	On-line solid-phase extraction of ceramides from yeast with ceramide III imprinted monolith. Journal of Chromatography A, 2003, 984, 173-183.	3.7	60
136	Overcoming bacterial physical defenses with molecule-like ultrasmall antimicrobial gold nanoclusters. Bioactive Materials, 2021, 6, 941-950.	15.6	60
137	Evolution of thiolate-stabilized Ag nanoclusters from Ag-thiolate cluster intermediates. Nature Communications, 2018, 9, 2379.	12.8	60
138	Tailoring the protein conformation to synthesize different-sized gold nanoclusters. Chemical Communications, 2013, 49, 9740.	4.1	59
139	Facile synthesis of water-soluble Au25â€“xAgx nanoclusters protected by mono- and bi-thiolate ligands. Chemical Communications, 2014, 50, 7459.	4.1	59
140	In Situ Fabrication of Flexible, Thermally Stable, Large-Area, Strongly Luminescent Copper Nanocluster/Polymer Composite Films. Chemistry of Materials, 2017, 29, 10206-10211.	6.7	58
141	Ultrasensitive IgG quantification using DNA nano-pyramids. NPG Asia Materials, 2014, 6, e112-e112.	7.9	56
142	Platinum-based heterogeneous nanomaterials via wet-chemistry approaches toward electrocatalytic applications. Advances in Colloid and Interface Science, 2016, 230, 29-53.	14.7	56
143	Storage of Gold Nanoclusters in Muscle Leads to their Biphasic in Vivo Clearance. Small, 2015, 11, 1683-1690.	10.0	55
144	Soft, Oxidative Stripping of Alkyl Thiolate Ligands from Hydroxyapatiteâ€Supported Gold Nanoclusters for Oxidation Reactions. Chemistry - an Asian Journal, 2016, 11, 532-539.	3.3	55

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145	Engineering ultrasmall metal nanoclusters for photocatalytic and electrocatalytic applications. Nanoscale, 2019, 11, 20437-20448.	5.6	55
146	Silver Dopingâ€Induced Luminescence Enhancement and Redâ€Shift of Gold Nanoclusters with Aggregationâ€Induced Emission. Chemistry - an Asian Journal, 2019, 14, 765-769.	3.3	55
147	Toward greener synthesis of gold nanomaterials: From biological to biomimetic synthesis. Coordination Chemistry Reviews, 2021, 426, 213540.	18.8	55
148	Toxicity profiling of water contextual zinc oxide, silver, and titanium dioxide nanoparticles in human oral and gastrointestinal cell systems. Environmental Toxicology, 2015, 30, 1459-1469.	4.0	54
149	Nanoâ€TiO₂ Drives Epithelialâ€“Mesenchymal Transition in Intestinal Epithelial Cancer Cells. Small, 2018, 14, e1800922.	10.0	53
150	Mycobacterium TuberculosisPPE Family Protein Rv1808 Manipulates Cytokines Profile via Co-Activation of MAPK and NF-Î²B Signaling Pathways. Cellular Physiology and Biochemistry, 2014, 33, 273-288.	1.6	52
151	Ligand-protected atomically precise gold nanoclusters as model catalysts for oxidation reactions. Chemical Communications, 2020, 56, 1163-1174.	4.1	52
152	Interleukin-10 Family and Tuberculosis: An Old Story Renewed. International Journal of Biological Sciences, 2016, 12, 710-717.	6.4	51
153	Synergistic Antimicrobial Capability of Magnetically Oriented Graphene Oxide Conjugated with Gold Nanoclusters. Advanced Functional Materials, 2019, 29, 1904603.	14.9	51
154	Regulatory and pathogenesis roles of Mycobacterium Lrp/AsnC family transcriptional factors. Journal of Cellular Biochemistry, 2011, 112, 2655-2662.	2.6	50
155	An Effective Design of Electrically Conducting Thin-Film Composite (TFC) Membranes for Bio and Organic Fouling Control in Forward Osmosis (FO). Environmental Science & Technology, 2016, 50, 10596-10605.	10.0	50
156	Engineering Noble Metal Nanomaterials for Pollutant Decomposition. Industrial & Engineering Chemistry Research, 2020, 59, 20561-20581.	3.7	50
157	Deep Learning Accelerated Gold Nanocluster Synthesis. Advanced Intelligent Systems, 2019, 1, 1900029.	6.1	49
158	Electrocatalysis of gold-based nanoparticles and nanoclusters. Materials Horizons, 2021, 8, 1657-1682.	12.2	49
159	Ultrastable BSA-capped gold nanoclusters with a polymer-like shielding layer against reactive oxygen species in living cells. Nanoscale, 2016, 8, 9614-9620.	5.6	48
160	Interactions of Metal Nanoclusters with Light: Fundamentals and Applications. Advanced Materials, 2022, 34, e2103918.	21.0	48
161	Assembly of Nanoions via Electrostatic Interactions: Ion-Like Behavior of Charged Noble Metal Nanoclusters. Scientific Reports, 2014, 4, 3848.	3.3	47
162	l-Serine potentiates fluoroquinolone activity againstEscherichia coliby enhancing endogenous reactive oxygen species production. Journal of Antimicrobial Chemotherapy, 2016, 71, 2192-2199.	3.0	47

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163	Hollow Mesoporous Silica Nanocarriers with Multifunctional Capping Agents for In Vivo Cancer Imaging and Therapy. Small, 2016, 12, 360-370.	10.0	47
164	Ligands Modulate Reaction Pathway in the Hydrogenation of 4â€Nitrophenol Catalyzed by Gold Nanoclusters. ChemCatChem, 2018, 10, 395-402.	3.7	47
165	Engineering Metal Nanoclusters for Targeted Therapeutics: From Targeting Strategies to Therapeutic Applications. Advanced Functional Materials, 2021, 31, 2105662.	14.9	47
166	Biology of IL-27 and its Role in the Host Immunity against Mycobacterium Tuberculosis. International Journal of Biological Sciences, 2015, 11, 168-175.	6.4	46
167	Embedding ultrasmall Ag nanoclusters in Luria-Bertani extract via light irradiation for enhanced antibacterial activity. Nano Research, 2020, 13, 203-208.	10.4	46
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