Manzhou Zhu

List of Publications by Citations

275 papers	14,210 citations	55 h-index	112 g-index
290 ext. papers	16,537 ext. citations	8.6 avg, IF	7.19 L-index

#	Paper	IF	Citations
275	Correlating the crystal structure of a thiol-protected Au25 cluster and optical properties. *Journal of the American Chemical Society*, **2008**, 130, 5883-5	16.4	1752
274	Quantum sized gold nanoclusters with atomic precision. *Accounts of Chemical Research*, **2012**, 45, 1470-9	24.3	731
273	Kinetically controlled, high-yield synthesis of Au25 clusters. *Journal of the American Chemical Society*, **2008**, 130, 1138-9	16.4	480
272	Atomically Precise Noble Metal Nanoclusters as Efficient Catalysts: A Bridge between Structure and Properties. *Chemical Reviews*, **2020**, 120, 526-622	68.1	441
271	A 200-fold quantum yield boost in the photoluminescence of silver-doped Ag(x)Au(25-x) nanoclusters: the 13th silver atom matters. *Angewandte Chemie - International Edition*, **2014**, 53, 2376-80	16.4	415
270	Tailoring the photoluminescence of atomically precise nanoclusters. *Chemical Society Reviews*, **2019**, 48, 2422-2457	58.5	404
269	Reversible switching of magnetism in thiolate-protected Au25 superatoms. *Journal of the American Chemical Society*, **2009**, 131, 2490-2	16.4	371
268	Conversion of Anionic [Au25(SCH2CH2Ph)18]□ Cluster to Charge Neutral Cluster via Air Oxidation. *Journal of Physical Chemistry C*, **2008**, 112, 14221-14224	3.8	369
267	Size Focusing: A Methodology for Synthesizing Atomically Precise Gold Nanoclusters. *Journal of Physical Chemistry Letters*, **2010**, 1, 2903-2910	6.4	348
266	Metal exchange method using Au25 nanoclusters as templates for alloy nanoclusters with atomic precision. *Journal of the American Chemical Society*, **2015**, 137, 4018-21	16.4	218
265	Thiolate-protected Au(n) nanoclusters as catalysts for selective oxidation and hydrogenation processes. *Advanced Materials*, **2010**, 22, 1915-20	24	207
264	Atomically precise alloy nanoclusters: syntheses, structures, and properties. *Chemical Society Reviews*, **2020**, 49, 6443-6514	58.5	186
263	Thiolate-protected Au(20) clusters with a large energy gap of 2.1 eV. *Journal of the American Chemical Society*, **2009**, 131, 7220-1	16.4	181
262	The structure and optical properties of the [Au18(SR)14] nanocluster. *Angewandte Chemie - International Edition*, **2015**, 54, 3145-9	16.4	177
261	Bimetallic Au2 Cu6 Nanoclusters: Strong Luminescence Induced by the Aggregation of Copper(I) Complexes with Gold(0) Species. *Angewandte Chemie - International Edition*, **2016**, 55, 3611-4	16.4	161
260	Evolution from the plasmon to exciton state in ligand-protected atomically precise gold nanoparticles. *Nature Communications*, **2016**, 7, 13240	17.4	159
259	Facile, large-scale synthesis of dodecanethiol-stabilized Au38 clusters. *Journal of Physical Chemistry A*, **2009**, 113, 4281-4	2.8	159

258	Au(SR): the captain of the great nanocluster ship. *Nanoscale*, **2018**, 10, 10758-10834	7.7	159
257	Crystal structure of selenolate-protected Au24(SeR)20 nanocluster. *Journal of the American Chemical Society*, **2014**, 136, 2963-5	16.4	158
256	Chiral Au nanospheres and nanorods: synthesis and insight into the origin of chirality. *Nano Letters*, **2011**, 11, 3963-9	11.5	153
255	Crystal structure and optical properties of the [Ag62S12(SBu(t))32](2+) nanocluster with a complete face-centered cubic kernel. *Journal of the American Chemical Society*, **2014**, 136, 15559-65	16.4	150
254	Customizing the Structure, Composition, and Properties of Alloy Nanoclusters by Metal Exchange. *Accounts of Chemical Research*, **2018**, 51, 2784-2792	24.3	135
253	Total structure determination of surface doping [Ag46Au24(SR)32](BPh4)2 nanocluster and its structure-related catalytic property. *Science Advances*, **2015**, 1, e1500441	14.3	130
252	Total Structure Determination of Au21(S-Adm)15 and Geometrical/Electronic Structure Evolution of Thiolated Gold Nanoclusters. *Journal of the American Chemical Society*, **2016**, 138, 10754-7	16.4	128
251	One-pot synthesis of robust core/shell gold nanoparticles. *Journal of the American Chemical Society*, **2008**, 130, 12852-3	16.4	124
250	The photoluminescent metal nanoclusters with atomic precision. *Coordination Chemistry Reviews*, **2019**, 378, 595-617	23.2	120
249	Crystallization-induced emission enhancement: A novel fluorescent Au-Ag bimetallic nanocluster with precise atomic structure. *Science Advances*, **2017**, 3, e1700956	14.3	119
248	The Magic Au60 Nanocluster: A New Cluster-Assembled Material with Five Au13 Building Blocks. *Angewandte Chemie - International Edition*, **2015**, 54, 8430-4	16.4	115
247	Ag(Dppm)(SR) and Its Homologue AuAg(Dppm)(SR) Alloy Nanocluster: Seeded Growth, Structure Determination, and Differences in Properties. *Journal of the American Chemical Society*, **2017**, 139, 1618-1624	16.4	114
246	Thiolate-Protected Au24(SC2H4Ph)20 Nanoclusters: Superatoms or Not?. *Journal of Physical Chemistry Letters*, **2010**, 1, 1003-1007	6.4	108
245	6-Substituted quinoline-based ratiometric two-photon fluorescent probes for biological Zn2+ detection. *Chemical Communications*, **2012**, 48, 4196-8	5.8	103
244	Conversion of Polydisperse Au Nanoparticles into Monodisperse Au25 Nanorods and Nanospheres. *Journal of Physical Chemistry C*, **2009**, 113, 17599-17603	3.8	89
243	Crystal structure of Au(SePh) nanoclusters and insights into their electronic, optical and catalytic properties. *Nanoscale*, **2014**, 6, 13977-85	7.7	86
242	Chirality in gold nanoclusters probed by NMR spectroscopy. *ACS Nano*, **2011**, 5, 8935-42	16.7	86
241	A mitochondria-targeted two-photon fluorescent probe for highly selective and rapid detection of hypochlorite and its bio-imaging in living cells. *Sensors and Actuators B: Chemical*, **2016**, 222, 483-491	8.5	84

240	The tetrahedral structure and luminescence properties of Bi-metallic PtAg(SR)(PPh) nanocluster. *Chemical Science*, **2017**, 8, 2581-2587	9.4	84
239	Observation of a new type of aggregation-induced emission in nanoclusters. *Chemical Science*, **2018**, 9, 3062-3068	9.4	83
238	In Situ Two-Phase Ligand Exchange: A New Method for the Synthesis of Alloy Nanoclusters with Precise Atomic Structures. *Journal of the American Chemical Society*, **2017**, 139, 5668-5671	16.4	79
237	A naked-eye rhodamine-based fluorescent probe for Fe(III) and its application in living cells. *Tetrahedron Letters*, **2011**, 52, 2840-2843	2	78
236	A 200-fold Quantum Yield Boost in the Photoluminescence of Silver-Doped AgxAu25 Nanoclusters: The 13 th Silver Atom Matters. *Angewandte Chemie*, **2014**, 126, 2408-2412	3.6	76
235	Intra-cluster growth meets inter-cluster assembly: The molecular and supramolecular chemistry of atomically precise nanoclusters. *Coordination Chemistry Reviews*, **2019**, 394, 1-38	23.2	75
234	Ligand-exchange synthesis of selenophenolate-capped Au25 nanoclusters. *Nanoscale*, **2012**, 4, 4161-5	7.7	75
233	Transformation of Atomically Precise Nanoclusters by Ligand-Exchange. *Chemistry of Materials*, **2019**, 31, 9939-9969	9.6	75
232	A Robust and Efficient Pd3 Cluster Catalyst for the Suzuki Reaction and Its Odd Mechanism. *ACS Catalysis*, **2017**, 7, 1860-1867	13.1	70
231	Design and Remarkable Efficiency of the Robust Sandwich Cluster Composite Nanocatalysts ZIF-8@Au@ZIF-67. *Journal of the American Chemical Society*, **2020**, 142, 4126-4130	16.4	69
230	Bimetallic Pd-Ni core-shell nanoparticles as effective catalysts for the Suzuki reaction. *Nano Research*, **2014**, 7, 1337-1343	10	67
229	Near Infrared Electrochemiluminescence of Rod-Shape 25-Atom AuAg Nanoclusters That Is Hundreds-Fold Stronger Than That of Ru(bpy) Standard. *Journal of the American Chemical Society*, **2019**, 141, 9603-9609	16.4	66
228	A Unique Pair: Ag and Ag Nanoclusters with the Same Surface but Different Cores for Structure-Property Correlation. *Journal of the American Chemical Society*, **2018**, 140, 15582-15585	16.4	65
227	Ultrafast Relaxation Dynamics of Luminescent Rod-Shaped, Silver-Doped AgxAu25 Clusters. *Journal of Physical Chemistry C*, **2015**, 119, 18790-18797	3.8	63
226	A two-photon fluorescent probe for real-time monitoring of autophagy by ultrasensitive detection of the change in lysosomal polarity. *Chemical Communications*, **2017**, 53, 3645-3648	5.8	62
225	Electron Transfer between [Au25(SC2H4Ph)18]OA+ and Oxoammonium Cations. *Journal of Physical Chemistry Letters*, **2011**, 2, 2104-2109	6.4	61
224	Shuttling single metal atom into and out of a metal nanoparticle. *Nature Communications*, **2017**, 8, 848	17.4	60
223	Design and mechanistic study of a novel gold nanocluster-based drug delivery system. *Nanoscale*, **2018**, 10, 10166-10172	7.7	58

222	Total Structure Determination of Au(S-Adm) and CdAu(S tBu) and Implications for the Structure of Au(SR). *Journal of the American Chemical Society*, **2018**, 140, 10988-10994	16.4	56
221	Au25 clusters as electron-transfer catalysts induced the intramolecular cascade reaction of 2-nitrobenzonitrile. *Scientific Reports*, **2013**, 3, 3214	4.9	56
220	Shape-Controlled Synthesis of Trimetallic Nanoclusters: Structure Elucidation and Properties Investigation. *Chemistry - A European Journal*, **2016**, 22, 17145-17150	4.8	55
219	Size-confined growth of atom-precise nanoclusters in metal-organic frameworks and their catalytic applications. *Nanoscale*, **2016**, 8, 1407-12	7.7	55
218	Large-Scale Synthesis, Crystal Structure, and Optical Properties of the AgBr(SR) Nanocluster. *ACS Nano*, **2018**, 12, 9318-9325	16.7	55
217	Intramolecular charge transfer and solvation dynamics of thiolate-protected Au20(SR)16 clusters studied by ultrafast measurement. *Journal of Physical Chemistry A*, **2013**, 117, 10294-303	2.8	55
216	Two-photon fluorescent probes for biological Mg(2+) detection based on 7-substituted coumarin. *Journal of Organic Chemistry*, **2015**, 80, 4306-12	4.2	52
215	PdNi Alloy Nanoparticles as Effective Catalysts for MiyauraHeck Coupling Reactions. *Journal of Physical Chemistry C*, **2015**, 119, 11511-11515	3.8	52
214	X-Ray crystal structure, and optical and electrochemical properties of the Au15Ag3(SC6H11)14 nanocluster with a core-shell structure. *Nanoscale*, **2015**, 7, 18278-83	7.7	52
213	A carbazole-based turn-on two-photon fluorescent probe for biological Cu2+ detection vis Cu2+-promoted hydrolysis. *Dyes and Pigments*, **2016**, 125, 185-191	4.6	52
212	A two-photon fluorescent probe for biological Cu (II) and PPi detection in aqueous solution and in vivo. *Biosensors and Bioelectronics*, **2017**, 90, 276-282	11.8	51
211	Synthesis of selenolate-protected Au18(SeC6H5)14 nanoclusters. *Nanoscale*, **2013**, 5, 1176-82	7.7	51
210	Rational construction of a library of M nanoclusters from monometallic to tetrametallic. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 18834-18840	11.5	50
209	A New Crystal Structure of Au36 with a Au14 Kernel Cocapped by Thiolate and Chloride. *Journal of the American Chemical Society*, **2015**, 137, 10033-5	16.4	50
208	Design of an ultrasmall Au nanocluster-CeO2 mesoporous nanocomposite catalyst for nitrobenzene reduction. *Nanoscale*, **2013**, 5, 7622-8	7.7	50
207	A ratiometric two-photon fluorescent probe for hydrazine and its applications. *Sensors and Actuators B: Chemical*, **2015**, 220, 1338-1345	8.5	48
206	Mild activation of CeO2-supported gold nanoclusters and insight into the catalytic behavior in CO oxidation. *Nanoscale*, **2016**, 8, 2378-85	7.7	48
205	Multi-ligand-directed synthesis of chiral silver nanoclusters. *Nanoscale*, **2017**, 9, 16800-16805	7.7	47

204	A metal exchange method for thiolate-protected tri-metal M(1)Ag(x)Au(24-x)(SR)(18)(0) (M = Cd/Hg) nanoclusters. *Nanoscale*, **2015**, 7, 10005-7	7.7	47
203	A rhodamine-based fluorescent probe for detecting Hg(2+) in a fully aqueous environment. *Dalton Transactions*, **2013**, 42, 14819-25	4.3	47
202	Assembly of the Thiolated [Au Ag (S-Adm)] Superatom Complex into a Framework Material through Direct Linkage by SbF Anions. *Angewandte Chemie - International Edition*, **2020**, 59, 7542-7547	16.4	46
201	Reversible nanocluster structure transformation between face-centered cubic and icosahedral isomers. *Chemical Science*, **2019**, 10, 8685-8693	9.4	45
200	Chiral 38-gold-atom nanoclusters: synthesis and chiroptical properties. *Small*, **2014**, 10, 1008-14	11	45
199	How a Single Electron Affects the Properties of the Non-Superatom Au25 Nanoclusters. *Chemistry of Materials*, **2016**, 28, 2609-2617	9.6	44
198	Unexpected reactivity of Au25(SCH2CH2Ph)18 nanoclusters with salts. *Nanoscale*, **2011**, 3, 1703-7	7.7	43
197	Sonogashira cross-coupling on the Au(1 1 1) and Au(1 0 0) facets of gold nanorod catalysts: Experimental and computational investigation. *Journal of Catalysis*, **2015**, 330, 354-361	7.3	42
196	A quinoline based fluorescent probe that can distinguish zinc(II) from cadmium(II) in water. *Tetrahedron Letters*, **2013**, 54, 1125-1128	2	41
195	Isomerism in Au-Ag Alloy Nanoclusters: Structure Determination and Enantioseparation of [AuAg(SR)(dppm)X]. *Inorganic Chemistry*, **2018**, 57, 5114-5119	5.1	40
194	Rational encapsulation of atomically precise nanoclusters into metal organic frameworks by electrostatic attraction for CO2 conversion. *Journal of Materials Chemistry A*, **2018**, 6, 15371-15376	13	40
193	Structure and Electronic Structure Evolution of Thiolate-Protected Gold Nanoclusters Containing Quasi Face-Centered-Cubic Kernels. *Journal of Physical Chemistry C*, **2018**, 122, 14898-14907	3.8	39
192	One-phase controlled synthesis of Au25 nanospheres and nanorods from 1.3 nm Au : PPh3 nanoparticles: the ligand effects. *Nanoscale*, **2015**, 7, 13663-70	7.7	38
191	The Structure and Optical Properties of the [Au18(SR)14] Nanocluster. *Angewandte Chemie*, **2015**, 127, 3188-3192	3.6	38
190	Heteroatom Effects on the Optical and Electrochemical Properties of Ag25(SR)18 and Its Dopants. *ChemElectroChem*, **2016**, 3, 1261-1265	4.3	38
189	A two-photon fluorescent probe for detecting endogenous hypochlorite in living cells. *Dalton Transactions*, **2015**, 44, 6613-9	4.3	37
188	A simple model for understanding the fluorescence behavior of Au25 nanoclusters. *Nanoscale*, **2014**, 6, 5777-81	7.7	37
187	A ratiometric two-photon fluorescent probe for cysteine and homocysteine in living cells. *Sensors and Actuators B: Chemical*, **2014**, 201, 520-525	8.5	37

186	Bimetallic Au2Cu6 Nanoclusters: Strong Luminescence Induced by the Aggregation of Copper(I) Complexes with Gold(0) Species. *Angewandte Chemie*, **2016**, 128, 3675-3678	3.6	36
185	Atomically Precise Dinuclear Site Active toward Electrocatalytic CO Reduction. *Journal of the American Chemical Society*, **2021**, 143, 11317-11324	16.4	36
184	Combining the Single-Atom Engineering and Ligand-Exchange Strategies: Obtaining the Single-Heteroatom-Doped AuAg(S-Adm) Nanocluster with Atomically Precise Structure. *Inorganic Chemistry*, **2018**, 57, 335-342	5.1	35
183	A mitochondria-targeted ratiometric two-photon fluorescent probe for biological zinc ions detection. *Biosensors and Bioelectronics*, **2016**, 77, 921-7	11.8	35
182	A carbazole-based mitochondria-targeted two-photon fluorescent probe for gold ions and its application in living cell imaging. *Sensors and Actuators B: Chemical*, **2016**, 225, 572-578	8.5	34
181	Litchi-like FeO@Fe-MOF capped with HAp gatekeepers for pH-triggered drug release and anticancer effect. *Journal of Materials Chemistry B*, **2017**, 5, 8600-8606	7.3	33
180	A TICT based two-photon fluorescent probe for cysteine and homocysteine in living cells. *Sensors and Actuators B: Chemical*, **2016**, 231, 285-292	8.5	33
179	Free Valence Electron Centralization Strategy for Preparing Ultrastable Nanoclusters and Their Catalytic Application. *Inorganic Chemistry*, **2019**, 58, 11000-11009	5.1	33
178	Metal Nanoclusters Stabilized by Selenol Ligands. *Small*, **2019**, 15, e1902703	11	33
177	A novel quinoline-based two-photon fluorescent probe for detecting Cd2+ in vitro and in vivo. *Dalton Transactions*, **2012**, 41, 6189-94	4.3	33
176	Optical switching and fluorescence modulation properties of photochromic dithienylethene derivatives. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 189, 307-313	4.7	33
175	Bonding of Two 8-Electron Superatom Clusters. *Angewandte Chemie - International Edition*, **2018**, 57, 16768-16772	16.4	33
174	Aggregation-Induced Emission (AIE) in Ag-Au Bimetallic Nanocluster. *Chemistry - A European Journal*, **2018**, 24, 3712-3715	4.8	32
173	Nanocluster growth "graft-onto": effects on geometric structures and optical properties. *Chemical Science*, **2020**, 11, 1691-1697	9.4	32
172	Crystal Structures of Two New Gold-Copper Bimetallic Nanoclusters: CuAu(PPh)(PhCHS)Cl and CuAu(PPh)(BuPhCHS)S. *Inorganic Chemistry*, **2017**, 56, 1771-1774	5.1	31
171	Exposing the Delocalized Cu-S Bonds on the Au Cu (SPhtBu) Nanocluster and Its Application in Ring-Opening Reactions. *Angewandte Chemie - International Edition*, **2019**, 58, 15671-15674	16.4	31
170	Two Electron Reduction: From Quantum Dots to Metal Nanoclusters. *Chemistry of Materials*, **2016**, 28, 7905-7911	9.6	31
169	A mitochondria-targeted colorimetric and two-photon fluorescent probe for biological SO 2 derivatives in living cells. *Dyes and Pigments*, **2016**, 134, 297-305	4.6	30

168	The solely motif-doped Au36-xAgx(SPh-tBu)24 (x = 1-8) nanoclusters: X-ray crystal structure and optical properties. *Nanoscale*, **2016**, 8, 15317-22	7.7	30
167	Cyclic PtAg and PtAuAg nanoclusters with M icosahedra as building-blocks. *Chemical Communications*, **2018**, 54, 12077-12080	5.8	30
166	De-assembly of assembled PtAg units: tailoring the photoluminescence of atomically precise nanoclusters. *Chemical Communications*, **2017**, 53, 12564-12567	5.8	29
165	FeO@MnO@PPy nanocomposites overcome hypoxia: magnetic-targeting-assisted controlled chemotherapy and enhanced photodynamic/photothermal therapy. *Journal of Materials Chemistry B*, **2018**, 6, 6848-6857	7.3	29
164	Atomically resolved AuCu(SR) nanoalloy reveals Marks decahedron truncation and Penrose tiling surface. *Nature Communications*, **2020**, 11, 478	17.4	28
163	Thiol-Induced Synthesis of Phosphine-Protected Gold Nanoclusters with Atomic Precision and Controlling the Structure by Ligand/Metal Engineering. *Inorganic Chemistry*, **2017**, 56, 11151-11159	5.1	27
162	The Magic Au60 Nanocluster: A New Cluster-Assembled Material with Five Au13 Building Blocks. *Angewandte Chemie*, **2015**, 127, 8550-8554	3.6	27
161	Controlling the selectivity of catalytic oxidation of styrene over nanocluster catalysts. *RSC Advances* , **2016**, 6, 111399-111405	3.7	27
160	Au15Ag3(SPhMe2)14 Nanoclusters Crystal Structure and Insights into Ligand-Induced Variation. *European Journal of Inorganic Chemistry*, **2017**, 2017, 1414-1419	2.3	26
159	Molecular-like Transformation from PhSe-Protected Au25 to Au23 Nanocluster and Its Application. *Chemistry of Materials*, **2017**, 29, 3055-3061	9.6	26
158	Immobilization of functional nano-objects in living engineered bacterial biofilms for catalytic applications. *National Science Review*, **2019**, 6, 929-943	10.8	26
157	Improved fluorescence imaging and synergistic anticancer phototherapy of hydrosoluble gold nanoclusters assisted by a novel two-level mesoporous canal structured silica nanocarrier. *Chemical Communications*, **2018**, 54, 2731-2734	5.8	25
156	X-ray Crystal Structure and Optical Properties of Au38Cux(2,4-(CH3)2C6H3S)24 (x = 0) Alloy Nanocluster. *Journal of Physical Chemistry C*, **2017**, 121, 21665-21669	3.8	25
155	Design of atomically precise Au2Pd6 nanoclusters for boosting electrocatalytic hydrogen evolution on MoS2. *Inorganic Chemistry Frontiers*, **2018**, 5, 2948-2954	6.8	25
154	Single-ligand exchange on an Au-Cu bimetal nanocluster and mechanism. *Nanoscale*, **2018**, 10, 12093-12099	7.7	25
153	Sulfonate, sulfide and thiolate ligands into an ultrasmall nanocluster: [AgCuS(tBuS)(tBuSO)]. *Chemical Communications*, **2018**, 54, 4314-4316	5.8	24
152	Core Shell FeCo Prussian Blue Analogue/Ni(OH)2 Derived Porous Ternary Transition Metal Phosphides Connected by Graphene for Effectively Electrocatalytic Water Splitting. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 13523-13531	8.3	24
151	A novel Zn2+ complex as the ratiometric two-photon fluorescent probe for biological Cd2+ detection. *Dyes and Pigments*, **2014**, 101, 30-37	4.6	24

150	Active metal (cadmium) doping enhanced the stability of inert metal (gold) nanocluster under O2 atmosphere and the catalysis activity of benzyl alcohol oxidation. *Gold Bulletin*, **2015**, 48, 161-167	1.6	24
149	Synthesis and Structure of Self-Assembled Pd2Au23(PPh3)10Br7 Nanocluster: Exploiting Factors That Promote Assembly of Icosahedral Nano-Building-Blocks. *Chemistry of Materials*, **2017**, 29, 6856-6862	9.6	24
148	An Efficient Heterobimetallic Lanthanide Alkoxide Catalyst for Transamidation of Amides under Solvent-Free Conditions. *Advanced Synthesis and Catalysis*, **2017**, 359, 302-313	5.6	23
147	In situ studies on controlling an atomically-accurate formation process of gold nanoclusters. *Nanoscale*, **2015**, 7, 14452-9	7.7	23
146	Modulating photo-luminescence of Au2Cu6 nanoclusters via ligand-engineering. *RSC Advances*, **2017**, 7, 28606-28609	3.7	22
145	Alloyed palladium-nickel hollow nanospheres with interatomic charge polarization for improved hydrolytic dehydrogenation of ammonia borane. *International Journal of Hydrogen Energy*, **2018**, 43, 283-292	6.7	22
144	Capture of Cesium Ions with Nanoclusters: Effects on Inter- and Intramolecular Assembly. *Chemistry of Materials*, **2019**, 31, 4945-4952	9.6	21
143	Doping Copper Atoms into the Nanocluster Kernel: Total Structure Determination of [CuAg(SAdm)S](BPh). *Journal of Physical Chemistry Letters*, **2020**, 11, 2272-2276	6.4	21
142	Facile air oxidative induced dealloying of hierarchical branched PtCu nanodendrites with enhanced activity for hydrogen evolution. *Applied Catalysis A: General*, **2018**, 557, 72-78	5.1	20
141	Switching the subcellular organelle targeting of atomically precise gold nanoclusters by modifying the capping ligand. *Chemical Communications*, **2018**, 54, 9222-9225	5.8	20
140	Controlled reduction for size selective synthesis of thiolate-protected gold nanoclusters Aun(n = 20, 24, 39, 40). *Nanoscale Research Letters*, **2012**, 7, 277	5	20
139	Hierarchical structural complexity in atomically precise nanocluster frameworks. *National Science Review*, **2021**, 8, nwaa077	10.8	20
138	Ultrabright Au@Cu nanoclusters: 71.3% phosphorescence quantum yield in non-degassed solution at room temperature. *Science Advances*, **2021**, 7,	14.3	20
137	RGO/AuNR/HA-5FU nanocomposite with multi-stage release behavior and efficient antitumor activity for synergistic therapy. *Biomaterials Science*, **2017**, 5, 990-1000	7.4	19
136	Engineered Targeted Hyaluronic Acid-Glutathione-Stabilized Gold Nanoclusters/Graphene Oxide-5-Fluorouracil as a Smart Theranostic Platform for Stimulus-Controlled Fluorescence Imaging-Assisted Synergetic Chemo/Phototherapy. *Chemistry - an Asian Journal*, **2019**, 14, 1418-1423	4.5	19
135	Ligand-induced change of the crystal structure and enhanced stability of the Au11 nanocluster. *RSC Advances*, **2015**, 5, 66879-66885	3.7	19
134	4-in-1 phototheranostics: PDA@CoPA-LA nanocomposite for photothermal imaging/photothermal/in-situ O2 generation/photodynamic combination therapy. *Chemical Engineering Journal*, **2020**, 387, 124113	14.7	19
133	Catalytic Reduction by Quasi-Homogeneous Gold Nanoclusters in the Liquid Phase. *ChemCatChem*, **2015**, 7, 2296-2304	5.2	19

132	Preparation of hyperstar polymers with encapsulated Au(SR) clusters as recyclable catalysts for nitrophenol reduction. *Nanoscale*, **2017**, 9, 3629-3636	7.7	18
131	Gram-Scale Preparation of Stable Hydride M@Cu (M = Au/Cu) Nanoclusters. *Journal of Physical Chemistry Letters*, **2019**, 10, 6124-6128	6.4	18
130	The Structure of a AuCu Bimetal Nanocluster and Its Strong Emission. *Inorganic Chemistry*, **2019**, 58, 7136-7140	5.1	18
129	Exposing Cu-Rich {110} Active Facets in PtCu nanostars for boosting electrochemical performance toward multiple liquid fuels electrooxidation. *Nano Research*, **2019**, 12, 1147-1153	10	17
128	A comparison of the chiral counterion, solvent, and ligand used to induce a chiroptical response from Au25(-) nanoclusters. *Nanoscale*, **2013**, 5, 7589-95	7.7	17
127	Cocrystallization of Atomically Precise Nanoclusters **2020**, 2, 1303-1314		17
126	Light-Induced Size-Growth of Atomically Precise Nanoclusters. *Langmuir*, **2019**, 35, 12350-12355	4	16
125	Rhombicuboctahedral Ag : Four-Layered Octahedral Silver Nanocluster Adopting the Russian Nesting Doll Model. *Angewandte Chemie - International Edition*, **2020**, 59, 17234-17238	16.4	16
124	A pH-induced charge convertible nanocomposite as novel targeted phototherapy agent and gene carrier. *Chemical Engineering Journal*, **2018**, 353, 350-360	14.7	16
123	One-pot synthesis of phenylmethanethiolate-protected Au20(SR)16 and Au24(SR)20 nanoclusters and insight into the kinetic control. *Chemistry - an Asian Journal*, **2013**, 8, 2739-45	4.5	16
122	Porous transition metal phosphides derived from Fe-based Prussian blue analogue for oxygen evolution reaction. *Journal of Alloys and Compounds*, **2020**, 814, 152332	5.7	16
121	Construction and synergistic anticancer efficacy of magnetic targeting cabbage-like FeO@MoS@ZnO drug carriers. *Journal of Materials Chemistry B*, **2018**, 6, 3792-3799	7.3	16
120	Valence self-regulation of sulfur in nanoclusters. *Science Advances*, **2019**, 5, eaax7863	14.3	15
119	Versatile Ligand-Exchange Method for the Synthesis of Water-Soluble Monodisperse AuAg Nanoclusters for Cancer Therapy. *ACS Applied Nano Materials*, **2018**, 1, 6773-6781	5.6	15
118	Morphology and Composition Regulation of FeCoNi Prussian Blue Analogues to Advance in the Catalytic Performances of the Derivative Ternary Transition-Metal Phosphides for OER. *ChemCatChem*, **2020**, 12, 4339-4345	5.2	14
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