Rongchao Jin

List of Publications by Citations

284 papers	38,980 citations	99 h-index	194 g-index
295 ext. papers	43,371 ext. citations	11.1 avg, IF	8.08 L-index

#	Paper	IF	Citations
284	Nanoparticles with Raman spectroscopic fingerprints for DNA and RNA detection. *Science*, **2002**, 297, 1536-40	33.3	2702
283	Atomically Precise Colloidal Metal Nanoclusters and Nanoparticles: Fundamentals and Opportunities. *Chemical Reviews*, **2016**, 116, 10346-413	68.1	1805
282	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
281	Controlling anisotropic nanoparticle growth through plasmon excitation. *Nature*, **2003**, 425, 487-90	50.4	1467
280	Quantum sized, thiolate-protected gold nanoclusters. *Nanoscale*, **2010**, 2, 343-62	7.7	1203
279	On the ligandN role in the fluorescence of gold nanoclusters. *Nano Letters*, **2010**, 10, 2568-73	11.5	1019
278	What controls the melting properties of DNA-linked gold nanoparticle assemblies?. *Journal of the American Chemical Society*, **2003**, 125, 1643-54	16.4	946
277	Total structure determination of thiolate-protected Au38 nanoparticles. *Journal of the American Chemical Society*, **2010**, 132, 8280-1	16.4	871
276	Localized surface plasmon resonance spectroscopy of single silver triangular nanoprisms. *Nano Letters*, **2006**, 6, 2060-5	11.5	778
275	Atomically precise gold nanoclusters as new model catalysts. *Accounts of Chemical Research*, **2013**, 46, 1749-58	24.3	770
274	Quantum sized gold nanoclusters with atomic precision. *Accounts of Chemical Research*, **2012**, 45, 1470-9	24.3	731
273	Atomically precise metal nanoclusters: stable sizes and optical properties. *Nanoscale*, **2015**, 7, 1549-65	7.7	559
272	Kinetically controlled, high-yield synthesis of Au25 clusters. *Journal of the American Chemical Society*, **2008**, 130, 1138-9	16.4	480
271	Chiral structure of thiolate-protected 28-gold-atom nanocluster determined by X-ray crystallography. *Journal of the American Chemical Society*, **2013**, 135, 10011-3	16.4	476
270	Total structure and electronic properties of the gold nanocrystal Au36(SR)24. *Angewandte Chemie - International Edition*, **2012**, 51, 13114-8	16.4	468
269	Atomically precise Au25(SR)18 nanoparticles as catalysts for the selective hydrogenation of alpha,beta-unsaturated ketones and aldehydes. *Angewandte Chemie - International Edition*, **2010**, 49, 1295-8	16.4	426
268	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

267	Emergence of hierarchical structural complexities in nanoparticles and their assembly. *Science*, **2016**, 354, 1580-1584	33.3	391
266	Monoplatinum doping of gold nanoclusters and catalytic application. *Journal of the American Chemical Society*, **2012**, 134, 16159-62	16.4	383
265	Reversible switching of magnetism in thiolate-protected Au25 superatoms. *Journal of the American Chemical Society*, **2009**, 131, 2490-2	16.4	371
264	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
263	Macroscopic Foam-Like Holey Ultrathin g-C3N4 Nanosheets for Drastic Improvement of Visible-Light Photocatalytic Activity. *Advanced Energy Materials*, **2016**, 6, 1601273	21.8	354
262	Size Focusing: A Methodology for Synthesizing Atomically Precise Gold Nanoclusters. *Journal of Physical Chemistry Letters*, **2010**, 1, 2903-2910	6.4	348
261	Controlling nanoparticles with atomic precision: the case of Au144(SCH2CH2Ph)60. *Nano Letters*, **2009**, 9, 4083-7	11.5	343
260	Size-focusing synthesis, optical and electrochemical properties of monodisperse Au38(SC2H4Ph)24 nanoclusters. *ACS Nano*, **2009**, 3, 3795-803	16.7	340
259	One-pot synthesis of atomically monodisperse, thiol-functionalized Au25 nanoclusters. *Journal of Materials Chemistry*, **2009**, 19, 622-626		304
258	Triangular Nanoframes Made of Gold and Silver. *Nano Letters*, **2003**, 3, 519-522	11.5	297
257	Structural patterns at all scales in a nonmetallic chiral Au133(SR)52 nanoparticle. *Science Advances*, **2015**, 1, e1500045	14.3	294
256	Glomerular barrier behaves as an atomically precise bandpass filter in a sub-nanometre regime. *Nature Nanotechnology*, **2017**, 12, 1096-1102	28.7	294
255	Experimental and computational investigation of Au25 clusters and CO2: a unique interaction and enhanced electrocatalytic activity. *Journal of the American Chemical Society*, **2012**, 134, 10237-43	16.4	293
254	Nonsuperatomic [Au23(SC6H11)16]- nanocluster featuring bipyramidal Au15 kernel and trimeric Au3(SR)4 motif. *Journal of the American Chemical Society*, **2013**, 135, 18264-7	16.4	277
253	A universal approach to the synthesis of noble metal nanodendrites and their catalytic properties. *Angewandte Chemie - International Edition*, **2010**, 49, 4962-6	16.4	265
252	Evolution of nonlinear optical properties: from gold atomic clusters to plasmonic nanocrystals. *Nano Letters*, **2012**, 12, 4661-7	11.5	253
251	High yield, large scale synthesis of thiolate-protected Ag7 clusters. *Journal of the American Chemical Society*, **2009**, 131, 16672-4	16.4	253
250	Probing the structure and charge state of glutathione-capped Au25(SG)18 clusters by NMR and mass spectrometry. *Journal of the American Chemical Society*, **2009**, 131, 6535-42	16.4	245

249	Gold-thiolate ring as a protecting motif in the Au20(SR)16 nanocluster and implications. *Journal of the American Chemical Society*, **2014**, 136, 11922-5	16.4	244
248	Atomically precise gold nanocrystal molecules with surface plasmon resonance. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 696-700	11.5	227
247	Gold Nanoclusters Promote Electrocatalytic Water Oxidation at the Nanocluster/CoSe Interface. *Journal of the American Chemical Society*, **2017**, 139, 1077-1080	16.4	226
246	Thiolate ligands as a double-edged sword for CO oxidation on CeO2 supported Au25(SCH2CH2Ph)18 nanoclusters. *Journal of the American Chemical Society*, **2014**, 136, 6111-22	16.4	215
245	CO oxidation catalyzed by oxide-supported Au25(SR)18 nanoclusters and identification of perimeter sites as active centers. *ACS Nano*, **2012**, 6, 6014-22	16.7	214
244	Gold Quantum Boxes: On the Periodicities and the Quantum Confinement in the Au□Au□Au□ and Au□Magic Series. *Journal of the American Chemical Society*, **2016**, 138, 3950-3	16.4	214
243	Structural isomerism in gold nanoparticles revealed by X-ray crystallography. [Corrected]. *Nature Communications*, **2015**, 6, 8667	17.4	208
242	Crystal Structure of Barrel-Shaped Chiral Au130(p-MBT)50 Nanocluster. *Journal of the American Chemical Society*, **2015**, 137, 10076-9	16.4	207
241	Thiolate-protected Au(n) nanoclusters as catalysts for selective oxidation and hydrogenation processes. *Advanced Materials*, **2010**, 22, 1915-20	24	207
240	Crystal structure and electronic properties of a thiolate-protected Au24 nanocluster. *Nanoscale*, **2014**, 6, 6458-62	7.7	204
239	Stable Au25(SR)18/TiO2 Composite Nanostructure with Enhanced Visible Light Photocatalytic Activity. *Journal of Physical Chemistry Letters*, **2013**, 4, 2847-2852	6.4	204
238	Isomerism in Au28(SR)20 Nanocluster and Stable Structures. *Journal of the American Chemical Society*, **2016**, 138, 1482-5	16.4	202
237	Unraveling the long-pursued Au structure by x-ray crystallography. *Science Advances*, **2018**, 4, eaat7259	14.3	192
236	Generation of Singlet Oxygen by Photoexcited Au25(SR)18 Clusters. *Chemistry of Materials*, **2014**, 26, 2777-2788	9.6	190
235	Atomically precise alloy nanoclusters: syntheses, structures, and properties. *Chemical Society Reviews*, **2020**, 49, 6443-6514	58.5	186
234	Gold tetrahedra coil up: Kekul□like and double helical superstructures. *Science Advances*, **2015**, 1, e1500425	14.3	184
233	Opportunities and Challenges in CO2 Reduction by Gold- and Silver-Based Electrocatalysts: From Bulk Metals to Nanoparticles and Atomically Precise Nanoclusters. *ACS Energy Letters*, **2018**, 3, 452-462	20.1	184
232	Kinetic control and thermodynamic selection in the synthesis of atomically precise gold nanoclusters. *Journal of the American Chemical Society*, **2011**, 133, 9670-3	16.4	182

231	Structure determination of [Au18(SR)14]. *Angewandte Chemie - International Edition*, **2015**, 54, 3140-4	16.4	181
230	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
229	Catalysis opportunities of atomically precise gold nanoclusters. *Journal of Materials Chemistry*, **2011**, 21, 6793		179
228	Gold nanocluster-catalyzed semihydrogenation: a unique activation pathway for terminal alkynes. *Journal of the American Chemical Society*, **2014**, 136, 11347-54	16.4	171
227	Total structure and optical properties of a phosphine/thiolate-protected Au24 nanocluster. *Journal of the American Chemical Society*, **2012**, 134, 20286-9	16.4	170
226	Thiol ligand-induced transformation of Au38(SC2H4Ph)24 to Au36(SPh-t-Bu)24. *ACS Nano*, **2013**, 7, 6138-45	13.7	168
225	Well-defined nanoclusters as fluorescent nanosensors: a case study on Au(25) (SG)(18). *Small*, **2012**, 8, 2028-35	11	167
224	Ambient Synthesis of Au144(SR)60 Nanoclusters in Methanol. *Chemistry of Materials*, **2011**, 23, 2209-2217	9.6	167
223	Transformation Chemistry of Gold Nanoclusters: From One Stable Size to Another. *Journal of Physical Chemistry Letters*, **2015**, 6, 2976-86	6.4	165
222	Evolution from the plasmon to exciton state in ligand-protected atomically precise gold nanoparticles. *Nature Communications*, **2016**, 7, 13240	17.4	159
221	Facile, large-scale synthesis of dodecanethiol-stabilized Au38 clusters. *Journal of Physical Chemistry A*, **2009**, 113, 4281-4	2.8	159
220	Chiral Au nanospheres and nanorods: synthesis and insight into the origin of chirality. *Nano Letters*, **2011**, 11, 3963-9	11.5	153
219	Thermally-induced formation of atomic Au clusters and conversion into nanocubes. *Journal of the American Chemical Society*, **2004**, 126, 9900-1	16.4	148
218	Efficient electrochemical CO2 conversion powered by renewable energy. *ACS Applied Materials & Interfaces*, **2015**, 7, 15626-32	9.5	142
217	Integrating plasmonic Au nanorods with dendritic like Bi2O3/Bi2O2CO3 heterostructures for superior visible-light-driven photocatalysis. *Applied Catalysis B: Environmental*, **2016**, 184, 1-11	21.8	142
216	Controlling the Atomic Structure of Au30 Nanoclusters by a Ligand-Based Strategy. *Angewandte Chemie - International Edition*, **2016**, 55, 6694-7	16.4	139
215	Atomically Tailored Gold Nanoclusters for Catalytic Application. *Angewandte Chemie - International Edition*, **2019**, 58, 8291-8302	16.4	138
214	Correlating second harmonic optical responses of single Ag nanoparticles with morphology. *Journal of the American Chemical Society*, **2005**, 127, 12482-3	16.4	137

213	Tailoring the Electronic and Catalytic Properties of Au25 Nanoclusters via Ligand Engineering. *ACS Nano*, **2016**, 10, 7998-8005	16.7	134
212	Temperature-Dependent Optical Absorption Properties of Monolayer-Protected Au25 and Au38 Clusters. *Journal of Physical Chemistry Letters*, **2011**, 2, 2752-2758	6.4	133
211	Water-soluble Au25(Capt)18 nanoclusters: synthesis, thermal stability, and optical properties. *Nanoscale*, **2012**, 4, 4222-7	7.7	132
210	Doping and alloying in atomically precise gold nanoparticles. *Nano Research*, **2014**, 7, 285-300	10	131
209	Toward Active-Site Tailoring in Heterogeneous Catalysis by Atomically Precise Metal Nanoclusters with Crystallographic Structures. *Chemical Reviews*, **2021**, 121, 567-648	68.1	129
208	Observation of Body-Centered Cubic Gold Nanocluster. *Angewandte Chemie - International Edition*, **2015**, 54, 9826-9	16.4	125
207	Quantum-sized gold nanoclusters: bridging the gap between organometallics and nanocrystals. *Chemistry - A European Journal*, **2011**, 17, 6584-93	4.8	125
206	Tri-icosahedral Gold Nanocluster [Au37(PPh3)10(SC2H4Ph)10X2](+): Linear Assembly of Icosahedral Building Blocks. *ACS Nano*, **2015**, 9, 8530-6	16.7	124
205	Atomic Structure of Self-Assembled Monolayer of Thiolates on a Tetragonal Au92 Nanocrystal. *Journal of the American Chemical Society*, **2016**, 138, 8710-3	16.4	124
204	Tailoring the Structure of 58-Electron Gold Nanoclusters: AuS(S-Nap) and Its Implications. *Journal of the American Chemical Society*, **2017**, 139, 9994-10001	16.4	123
203	Sharp Transition from Nonmetallic Au to Metallic Au with Nascent Surface Plasmon Resonance. *Journal of the American Chemical Society*, **2018**, 140, 5691-5695	16.4	122
202	An atomic-level strategy for unraveling gold nanocatalysis from the perspective of Au(n)(SR)m nanoclusters. *Chemistry - A European Journal*, **2010**, 16, 11455-62	4.8	122
201	Tuning the Magic Size of Atomically Precise Gold Nanoclusters via Isomeric Methylbenzenethiols. *Nano Letters*, **2015**, 15, 3603-9	11.5	121
200	Silicon Nanoparticles with Surface Nitrogen: 90% Quantum Yield with Narrow Luminescence Bandwidth and the Ligand Structure Based Energy Law. *ACS Nano*, **2016**, 10, 8385-93	16.7	120
199	Toward the Tailoring Chemistry of Metal Nanoclusters for Enhancing Functionalities. *Accounts of Chemical Research*, **2018**, 51, 2764-2773	24.3	120
198	Heterogeneous catalysis by gold and gold-based bimetal nanoclusters. *Nano Today*, **2018**, 18, 86-102	17.9	118
197	One-Pot Synthesis of Au25(SG)18 2- and 4-nm Gold Nanoparticles and Comparison of Their Size-Dependent Properties. *Advanced Functional Materials*, **2011**, 21, 177-183	15.6	117
196	Ultrafast Relaxation Dynamics of [Au25(SR)18] q Nanoclusters: Effects of Charge State. *Journal of Physical Chemistry C*, **2010**, 114, 19935-19940	3.8	117

195	Total Structure and Electronic Properties of the Gold Nanocrystal Au36(SR)24. *Angewandte Chemie*, **2012**, 124, 13291-13295	3.6	114
194	A Quantum Alloy: The Ligand-Protected Au25Agx(SR)18 Cluster. *Journal of Physical Chemistry C*, **2013**, 117, 7914-7923	3.8	112
193	Thermally robust Au99(SPh)42 nanoclusters for chemoselective hydrogenation of nitrobenzaldehyde derivatives in water. *Journal of the American Chemical Society*, **2014**, 136, 3673-9	16.4	111
192	Central Doping of a Foreign Atom into the Silver Cluster for Catalytic Conversion of CO toward C-C Bond Formation. *Angewandte Chemie - International Edition*, **2018**, 57, 9775-9779	16.4	109
191	Size Dependence of Atomically Precise Gold Nanoclusters in Chemoselective Hydrogenation and Active Site Structure. *ACS Catalysis*, **2014**, 4, 2463-2469	13.1	108
190	Thiolate-Protected Au24(SC2H4Ph)20 Nanoclusters: Superatoms or Not?. *Journal of Physical Chemistry Letters*, **2010**, 1, 1003-1007	6.4	108
189	Stability of the Two Au-S Binding Modes in Au(25)(SG)(18) Nanoclusters Probed by NMR and Optical Spectroscopy. *ACS Nano*, **2009**, 3, 2036-42	16.7	108
188	Chiral Ag nanocluster with open shell electronic structure and helical face-centered cubic framework. *Nature Communications*, **2018**, 9, 744	17.4	103
187	The impacts of nanotechnology on catalysis by precious metal nanoparticles. *Nanotechnology Reviews*, **2012**, 1, 31-56	6.3	103
186	The Structure and Bonding of Au25(SR)18 Nanoclusters from EXAFS: The Interplay of Metallic and Molecular Behavior. *Journal of Physical Chemistry C*, **2011**, 115, 15282-15287	3.8	103
185	Oxide-supported atomically precise gold nanocluster for catalyzing Sonogashira cross-coupling. *Journal of Catalysis*, **2013**, 306, 177-183	7.3	97
184	Dopant Location, Local Structure, and Electronic Properties of Au24Pt(SR)18 Nanoclusters. *Journal of Physical Chemistry C*, **2012**, 116, 26932-26937	3.8	97
183	Molecular "surgery" on a 23-gold-atom nanoparticle. *Science Advances*, **2017**, 3, e1603193	14.3	96
182	Atomically Precise Au25(SR)18 Nanoparticles as Catalysts for the Selective Hydrogenation of Unsaturated Ketones and Aldehydes. *Angewandte Chemie*, **2010**, 122, 1317-1320	3.6	95
181	Influence of Atomic-Level Morphology on Catalysis: The Case of Sphere and Rod-Like Gold Nanoclusters for CO2 Electroreduction. *ACS Catalysis*, **2018**, 8, 4996-5001	13.1	94
180	Mechanism for catalytic partial oxidation of methane to syngas over a Ni/Al2O3 catalyst. *Applied Catalysis A: General*, **2000**, 201, 71-80	5.1	93
179	Crystal structures of Au2 complex and Au25 nanocluster and mechanistic insight into the conversion of polydisperse nanoparticles into monodisperse Au25 nanoclusters. *Inorganic Chemistry*, **2011**, 50, 10735-9	5.1	91
178	Gold nanocluster-catalyzed selective oxidation of sulfide to sulfoxide. *Nanoscale*, **2012**, 4, 6714-7	7.7	90

177	Exploring stereoselectivity of Au25 nanoparticle catalyst for hydrogenation of cyclic ketone. *Journal of Catalysis*, **2010**, 271, 155-160	7.3	90
176	Cyclopentanethiolato-protected Au36(SC5H9)24 nanocluster: crystal structure and implications for the steric and electronic effects of ligand. *Journal of Physical Chemistry A*, **2014**, 118, 8264-9	2.8	89
175	Conversion of Polydisperse Au Nanoparticles into Monodisperse Au25 Nanorods and Nanospheres. *Journal of Physical Chemistry C*, **2009**, 113, 17599-17603	3.8	89
174	Establishing Porosity Gradients within Metal-Organic Frameworks Using Partial Postsynthetic Ligand Exchange. *Journal of the American Chemical Society*, **2016**, 138, 12045-8	16.4	88
173	Probing active site chemistry with differently charged Au25q nanoclusters (q = −1, 0, +1). *Chemical Science*, **2014**, 5, 3151	9.4	86
172	Chirality in gold nanoclusters probed by NMR spectroscopy. *ACS Nano*, **2011**, 5, 8935-42	16.7	86
171	Heavily doped Au25-xAgx(SC6H11)18(-) nanoclusters: silver goes from the core to the surface. *Chemical Communications*, **2016**, 52, 5194-7	5.8	85
170	The tetrahedral structure and luminescence properties of Bi-metallic PtAg(SR)(PPh) nanocluster. *Chemical Science*, **2017**, 8, 2581-2587	9.4	84
169	A Mono-cuboctahedral Series of Gold Nanoclusters: Photoluminescence Origin, Large Enhancement, Wide Tunability, and Structure-Property Correlation. *Journal of the American Chemical Society*, **2019**, 141, 5314-5325	16.4	83
168	Pt/CeO2@MOF [email´protected] Nanoreactor for Selective Hydrogenation of Furfural via the Channel Screening Effect. *ACS Catalysis*, **2018**, 8, 8506-8512	13.1	83
167	Site-Specific and Size-Dependent Bonding of Compositionally Precise Gold□thiolate Nanoparticles from X-ray Spectroscopy. *Journal of Physical Chemistry Letters*, **2010**, 1, 1821-1825	6.4	82
166	Experimental and Mechanistic Understanding of Aldehyde Hydrogenation Using Au25 Nanoclusters with Lewis Acids: Unique Sites for Catalytic Reactions. *Journal of the American Chemical Society*, **2015**, 137, 14295-304	16.4	81
165	Au25 nanocluster-catalyzed Ullmann-type homocoupling reaction of aryl iodides. *Chemical Communications*, **2012**, 48, 12005-7	5.8	80
164	Nanoparticle clusters light up in SERS. *Angewandte Chemie - International Edition*, **2010**, 49, 2826-9	16.4	78
163	CeO2-supported Au38(SR)24 nanocluster catalysts for CO oxidation: a comparison of ligand-on and -off catalysts. *Nanoscale*, **2013**, 5, 5912-8	7.7	77
162	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
161	Three-orders-of-magnitude variation of carrier lifetimes with crystal phase of gold nanoclusters. *Science*, **2019**, 364, 279-282	33.3	75
160	Ultrafast Relaxation Dynamics of Rod-Shaped 25-Atom Gold Nanoclusters. *Journal of Physical Chemistry C*, **2011**, 115, 6200-6207	3.8	74

159	Stabilizing gold clusters by heterostructured transition-metal oxide-mesoporous silica supports for enhanced catalytic activities for CO oxidation. *Chemical Communications*, **2012**, 48, 11413-5	5.8	72
158	Atomically Precise Metal Nanoclusters for Catalysis. *ACS Nano*, **2019**, 13, 7383-7387	16.7	71
157	Catalysis by gold nanoparticles: carbon-carbon coupling reactions. *Nanotechnology Reviews*, **2013**, 2, 529-545	6.3	71
156	Magic Size Au64(S-c-C6H11)32 Nanocluster Protected by Cyclohexanethiolate. *Chemistry of Materials*, **2014**, 26, 2635-2641	9.6	69
155	Temperature-dependent photoluminescence of structurally-precise quantum-confined Au25(SC8H9)18 and Au38(SC12H25)24 metal nanoparticles. *Journal of Physical Chemistry A*, **2014**, 118, 10611-21	2.8	69
154	Three-Stage Evolution from Nonscalable to Scalable Optical Properties of Thiolate-Protected Gold Nanoclusters. *Journal of the American Chemical Society*, **2019**, 141, 19754-19764	16.4	68
153	Atomically Precise Gold Nanoclusters Accelerate Hydrogen Evolution over MoS Nanosheets: The Dual Interfacial Effect. *Small*, **2017**, 13, 1701519	11	67
152	Synthesis of a Au44(SR)28 nanocluster: structure prediction and evolution from Au28(SR)20, Au36(SR)24 to Au44(SR)28. *Chemical Communications*, **2014**, 50, 55-7	5.8	65
151	Luminescent metal nanoclusters for biomedical applications. *Nano Research*, **2019**, 12, 1251-1265	10	64
150	Glass-bead-based parallel detection of DNA using composite Raman labels. *Small*, **2006**, 2, 375-80	11	64
149	Evolution of Excited-State Dynamics in Periodic Au, Au, Au, and Au Nanoclusters. *Journal of Physical Chemistry Letters*, **2017**, 8, 4023-4030	6.4	62
148	Electron Transfer between [Au25(SC2H4Ph)18]TOA+ and Oxoammonium Cations. *Journal of Physical Chemistry Letters*, **2011**, 2, 2104-2109	6.4	61
147	Shuttling single metal atom into and out of a metal nanoparticle. *Nature Communications*, **2017**, 8, 848	17.4	60
146	Atomic-level alloying and de-alloying in doped gold nanoparticles. *Chemistry - A European Journal*, **2013**, 19, 4238-43	4.8	59
145	Reconstructing the Surface of Gold Nanoclusters by Cadmium Doping. *Journal of the American Chemical Society*, **2017**, 139, 17779-17782	16.4	57
144	Molecular-Scale Ligand Effects in Small Gold-Thiolate Nanoclusters. *Journal of the American Chemical Society*, **2018**, 140, 15430-15436	16.4	56
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142	Large-Scale Synthesis, Crystal Structure, and Optical Properties of the AgBr(SR) Nanocluster. *ACS Nano*, **2018**, 12, 9318-9325	16.7	55

141	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
140	Chiral Gold Nanoclusters: Atomic Level Origins of Chirality. *Chemistry - an Asian Journal*, **2017**, 12, 1839-1850	4.5	55
139	Structure Determination of [Au18(SR)14]. *Angewandte Chemie*, **2015**, 127, 3183-3187	3.6	53
138	Chirality and Surface Bonding Correlation in Atomically Precise Metal Nanoclusters. *Advanced Materials*, **2020**, 32, e1905488	24	53
137	L-Arginine-Triggered Self-Assembly of CeO2 Nanosheaths on Palladium Nanoparticles in Water. *Angewandte Chemie - International Edition*, **2016**, 55, 4542-6	16.4	53
136	Solution-Phase Structure and Bonding of Au38(SR)24 Nanoclusters from X-ray Absorption Spectroscopy. *Journal of Physical Chemistry C*, **2011**, 115, 65-69	3.8	53
135	Synthesis of Open-Ended, Cylindrical Au□Ag Alloy Nanostructures on a Si/SiOx Surface. *Nano Letters*, **2004**, 4, 1493-1495	11.5	52
134	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
133	Ligand- and Solvent-Dependent Electronic Relaxation Dynamics of Au25(SR)18□ Monolayer-Protected Clusters. *Journal of Physical Chemistry C*, **2017**, 121, 24894-24902	3.8	49
132	New Advances in Atomically Precise Silver Nanoclusters **2019**, 1, 482-489		48
131	Mild activation of CeO2-supported gold nanoclusters and insight into the catalytic behavior in CO oxidation. *Nanoscale*, **2016**, 8, 2378-85	7.7	48
130	Modulating the hierarchical fibrous assembly of Au nanoparticles with atomic precision. *Nature Communications*, **2018**, 9, 3871	17.4	48
129	On the Non-Metallicity of 2.2 nm Au (SR) Nanoclusters. *Angewandte Chemie - International Edition*, **2017**, 56, 16257-16261	16.4	47
128	Effects of single atom doping on the ultrafast electron dynamics of M1Au24(SR)18 (M = Pd, Pt) nanoclusters. *Nanoscale*, **2016**, 8, 7163-71	7.7	46
127	Ligand control in thiol stabilized Au38 clusters. *RSC Advances*, **2012**, 2, 2276	3.7	46
126	Elucidating the active sites for CO2 electroreduction on ligand-protected Au25 nanoclusters. *Catalysis Science and Technology*, **2018**, 8, 3795-3805	5.5	46
125	Ultrasmall metal nanoclusters for bio-related applications. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2013**, 5, 569-81	9.2	45
124	Chiral 38-gold-atom nanoclusters: synthesis and chiroptical properties. *Small*, **2014**, 10, 1008-14	11	45

123	Controlled growth of molecularly pure Au25(SR)18 and Au38(SR)24 nanoclusters from the same polydispersed crude product. *Science China Chemistry*, **2012**, 55, 2359-2365	7.9	44
122	Electron localization in rod-shaped triicosahedral gold nanocluster. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E4697-E4705	11.5	43
121	Unexpected reactivity of Au25(SCH2CH2Ph)18 nanoclusters with salts. *Nanoscale*, **2011**, 3, 1703-7	7.7	43
120	Super robust nanoparticles for biology and biomedicine. *Angewandte Chemie - International Edition*, **2008**, 47, 6750-3	16.4	43
119	Photomediated Oxidation of Atomically Precise Au25(SC2H4Ph)18(-) Nanoclusters. *Journal of Physical Chemistry Letters*, **2013**, 4, 195-202	6.4	42
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