Rongchao Jin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Understanding nascent plasmons and metallic bonding in atomically precise gold nanoclusters.. *Chemical Science*, **2022**, 13, 1925-1932	9.4	0
283	Atomic structure of a seed-sized gold nanoprism.. *Nature Communications*, **2022**, 13, 1235	17.4	2
282	Advances in Enhancing Luminescence of Atomically Precise Ag Nanoclusters. *Journal of Physical Chemistry C*, **2021**, 125, 2619-2625	3.8	9
281	Anomalous pressure-dependence in surface-modified silicon-derived nanoparticles. *Nano Research*, **2021**, 14, 4748	10	2
280	Programmable Metal Nanoclusters with Atomic Precision. *Advanced Materials*, **2021**, 33, e2006591	24	18
279	Double-helical assembly of heterodimeric nanoclusters into supercrystals. *Nature*, **2021**, 594, 380-384	50.4	33
278	Total Structure of Bimetallic Core‐Shell [Au42Cd40(SR)52]2− Nanocluster and Its Implications. *Angewandte Chemie*, **2021**, 133, 18113-18117	3.6	1
277	Optical Properties and Excited-State Dynamics of Atomically Precise Gold Nanoclusters. *Annual Review of Physical Chemistry*, **2021**, 72, 121-142	15.7	14
276	Boosting CO Electrochemical Reduction with Atomically Precise Surface Modification on Gold Nanoclusters. *Angewandte Chemie - International Edition*, **2021**, 60, 6351-6356	16.4	34
275	Toward Active-Site Tailoring in Heterogeneous Catalysis by Atomically Precise Metal Nanoclusters with Crystallographic Structures. *Chemical Reviews*, **2021**, 121, 567-648	68.1	129
274	The role of ligands in atomically precise nanocluster-catalyzed CO electrochemical reduction. *Nanoscale*, **2021**, 13, 2333-2337	7.7	10
273	Ultrabright Au@Cu nanoclusters: 71.3% phosphorescence quantum yield in non-degassed solution at room temperature. *Science Advances*, **2021**, 7,	14.3	20
272	Observation of Core Phonon in Electron-Phonon Coupling in Au Nanoclusters. *Journal of Physical Chemistry Letters*, **2021**, 12, 1690-1695	6.4	6
271	Boosting CO2 Electrochemical Reduction with Atomically Precise Surface Modification on Gold Nanoclusters. *Angewandte Chemie*, **2021**, 133, 6421-6426	3.6	6
270	Hydrogen Evolution Electrocatalyst Design: Turning Inert Gold into Active Catalyst by Atomically Precise Nanochemistry. *Journal of the American Chemical Society*, **2021**, 143, 11102-11108	16.4	21
269	Total Structure of Bimetallic Core-Shell [Au Cd (SR)] Nanocluster and Its Implications. *Angewandte Chemie - International Edition*, **2021**, 60, 17969-17973	16.4	3
268	Magnetism of Atomically Precise Gold and Doped Nanoclusters: Delocalized Spin and Interparticle Coupling. *Journal of Physical Chemistry C*, **2021**, 125, 15773-15784	3.8	2

267	Atomically precise metal nanoclusters meet metal-organic frameworks. *IScience*, **2021**, 24, 103206	6.1	2
266	The Critical Number of Gold Atoms for a Metallic State Nanocluster: Resolving a Decades-Long Question. *ACS Nano*, **2021**, 15, 13980-13992	16.7	9
265	Homoleptic Alkynyl-Protected Ag Nanocluster with Atomic Precision: Structural Analysis and Electrocatalytic Performance toward CO Reduction. *Angewandte Chemie - International Edition*, **2021**, 60, 26136-26141	16.4	10
264	Single and bi-excitonic characteristics of ligand-modified silicon nanoparticles as demonstrated single particle photon statistics and plasmonic effects. *Nanoscale*, **2021**, 13, 15238-15247	7.7	1
263	Applications of Atomically Precise Metal Nanoclusters **2021**, 79-126		
262	Synthesis of Atomically Precise Metal Nanoclusters **2021**, 9-29		
261	Characterization of Atomically Precise Metal Nanoclusters **2021**, 31-78		0
260	Structural distortion and electron redistribution in dual-emitting gold nanoclusters. *Nature Communications*, **2020**, 11, 2897	17.4	19
259	Chirality and Surface Bonding Correlation in Atomically Precise Metal Nanoclusters. *Advanced Materials*, **2020**, 32, e1905488	24	53
258	Ligand exchange on Au(SR): substituent site effects of aromatic thiols. *Nanoscale*, **2020**, 12, 9423-9429	7.7	15
257	Atomic-precision engineering of metal nanoclusters. *Dalton Transactions*, **2020**, 49, 10701-10707	4.3	17
256	Atomically resolved AuCu(SR) nanoalloy reveals Marks decahedron truncation and Penrose tiling surface. *Nature Communications*, **2020**, 11, 478	17.4	28
255	Elucidating the stability of ligand-protected Au nanoclusters under electrochemical reduction of CO2. *SN Applied Sciences*, **2020**, 2, 1	1.8	15
254	Atomically Precise Nanoclusters as Electrocatalysts. *Molecular Catalysis*, **2020**, 39-68	0.3	2
253	Synthesis and Optical Properties of Two-Photon-Absorbing Au25(Captopril)18-Embedded Polyacrylamide Nanoparticles for Cancer Therapy. *ACS Applied Nano Materials*, **2020**, 3, 1420-1430	5.6	11
252	Doping Effect on the Magnetism of Thiolate-Capped 25-Atom Alloy Nanoclusters. *Chemistry of Materials*, **2020**, 32, 9238-9244	9.6	10
251	Intraparticle Construction of Fundamental Building Blocks for Multilevel Metal Nanoclusters Protected by Ligands. *ACS Symposium Series*, **2020**, 47-71	0.4	1
250	Seeing Ligands on Nanoclusters and in Their Assemblies by X-ray Crystallography: Atomically Precise Nanochemistry and Beyond. *Journal of the American Chemical Society*, **2020**, 142, 13627-13644	16.4	42

249	Isomerization-induced enhancement of luminescence in Au(SR) nanoclusters. *Chemical Science*, **2020**, 11, 8176-8183	9.4	19
248	Atomically precise nanoclusters with reversible isomeric transformation for rotary nanomotors. *Nature Communications*, **2020**, 11, 6019	17.4	30
247	Inhomogeneous Quantized Single-Electron Charging and Electrochemical-Optical Insights on Transition-Sized Atomically Precise Gold Nanoclusters. *ACS Nano*, **2020**,	16.7	11
246	Atom-by-Atom Evolution of the Same Ligand-Protected Au, Au, AuCd, and Au Nanocluster Series. *Journal of the American Chemical Society*, **2020**,	16.4	17
245	Atomically Precise Metal Nanoclusters **2020**, 1, 1-139		
244	Atomically precise alloy nanoclusters: syntheses, structures, and properties. *Chemical Society Reviews*, **2020**, 49, 6443-6514	58.5	186
243	Heteroatom Tracing Reveals the 30-Atom Au-Ag Bimetallic Nanocluster as a Dimeric Structure. *Journal of Physical Chemistry Letters*, **2020**, 11, 7307-7312	6.4	7
242	Pressure-Induced Optical Transitions in Metal Nanoclusters. *ACS Nano*, **2020**, 14, 11888-11896	16.7	9
241	Monopalladium Substitution in Gold Nanoclusters Enhances CO2 Electroreduction Activity and Selectivity. *ACS Catalysis*, **2020**, 10, 12011-12016	13.1	36
240	Heterometal-Doped M (M = Au/Ag/Cd) Nanoclusters with Large Dipole Moments. *ACS Nano*, **2020**, 14, 6599-6606	16.7	16
239	Controlling magnetism of Au(TBBT) nanoclusters at single electron level and implication for nonmetal to metal transition. *Chemical Science*, **2019**, 10, 9684-9691	9.4	19
238	New Advances in Atomically Precise Silver Nanoclusters **2019**, 1, 482-489		48
237	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
236	Anomalous phonon relaxation in Au(SR) nanoparticles with nascent plasmons. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13215-13220	11.5	19
235	Atomically Precise Metal Nanoclusters for Catalysis. *ACS Nano*, **2019**, 13, 7383-7387	16.7	71
234	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
233	Luminescent metal nanoclusters for biomedical applications. *Nano Research*, **2019**, 12, 1251-1265	10	64
232	Understanding the Solubility Behavior of Atomically Precise Gold Nanoclusters. *Journal of Physical Chemistry C*, **2019**, 123, 20006-20012	3.8	8

231	Theoretical Prediction of Optical Absorption and Emission in Thiolated Gold Clusters. *Journal of Physical Chemistry A*, **2019**, 123, 6472-6481	2.8	6
230	Gold Nanoclusters: Bridging Gold Complexes and Plasmonic Nanoparticles in Photophysical Properties. *Nanomaterials*, **2019**, 9,	5.4	19
229	Luminescence and Electron Dynamics in Atomically Precise Nanoclusters with Eight Superatomic Electrons. *Journal of the American Chemical Society*, **2019**, 141, 18715-18726	16.4	35
228	Au130Agx Nanoclusters with Non-Metallicity: A Drum of Silver-Rich Sites Enclosed in a Marks-Decahedral Cage of Gold-Rich Sites. *Angewandte Chemie*, **2019**, 131, 18974-18978	3.6	12
227	Au Ag Nanoclusters with Non-Metallicity: A Drum of Silver-Rich Sites Enclosed in a Marks-Decahedral Cage of Gold-Rich Sites. *Angewandte Chemie - International Edition*, **2019**, 58, 18798-18802	16.4	22
226	Three-orders-of-magnitude variation of carrier lifetimes with crystal phase of gold nanoclusters. *Science*, **2019**, 364, 279-282	33.3	75
225	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
224	Fusion growth patterns in atomically precise metal nanoclusters. *Nanoscale*, **2019**, 11, 19158-19165	7.7	23
223	Atomically Tailored Gold Nanoclusters for Catalytic Application. *Angewandte Chemie*, **2019**, 131, 8377-8382	3.6	34
222	Atomically Tailored Gold Nanoclusters for Catalytic Application. *Angewandte Chemie - International Edition*, **2019**, 58, 8291-8302	16.4	138
221	Chiral Ag nanocluster with open shell electronic structure and helical face-centered cubic framework. *Nature Communications*, **2018**, 9, 744	17.4	103
220	Excited-State Behaviors of M1Au24(SR)18 Nanoclusters: The Number of Valence Electrons Matters. *Journal of Physical Chemistry C*, **2018**, 122, 13435-13442	3.8	33
219	Dual effects of water vapor on ceria-supported gold clusters. *Nanoscale*, **2018**, 10, 6558-6565	7.7	19
218	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
217	Heterogeneous catalysis by gold and gold-based bimetal nanoclusters. *Nano Today*, **2018**, 18, 86-102	17.9	118
216	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
215	Investigating the Hybrid-Structure-Effect of CeO -Encapsulated Au Nanostructures on the Transfer Coupling of Nitrobenzene. *Advanced Materials*, **2018**, 30, 1704416	24	36
214	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

213	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
212	Central Doping of a Foreign Atom into the Silver Cluster for Catalytic Conversion of CO2 toward C□ Bond Formation. *Angewandte Chemie*, **2018**, 130, 9923-9927	3.6	26
211	Structural and catalytic properties of the AuAg(SCH) (x = 6, 7, 8) nanocluster. *Physical Chemistry Chemical Physics*, **2018**, 20, 13747-13756	3.6	11
210	Large-Scale Synthesis, Crystal Structure, and Optical Properties of the AgBr(SR) Nanocluster. *ACS Nano*, **2018**, 12, 9318-9325	16.7	55
209	Interface Engineering of Gold Nanoclusters for CO Oxidation Catalysis. *ACS Applied Materials & Interfaces*, **2018**, 10, 29425-29434	9.5	39
208	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
207	Structural Evolution Patterns of FCC-Type Gold Nanoclusters. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2018**, 34, 755-761	3.8	5
206	Suppressing the active site-blocking impact of ligands of Ni(SR) clusters with the assistance of NH on catalytic hydrogenation of nitriles. *Nanoscale*, **2018**, 10, 19375-19382	7.7	5
205	Au10(TBBT)10: The beginning and the end of Aun(TBBT)m nanoclusters□ *Chinese Journal of Chemical Physics*, **2018**, 31, 555-562	0.9	7
204	Core Geometry Effect on the Bonding Properties of Gold□thiolate Nanoclusters: The Case of Hexagonal-Close-Packed Au30(SR)18. *Journal of Physical Chemistry C*, **2018**, 122, 23414-23419	3.8	5
203	Sensitive X-ray Absorption Near Edge Structure Analysis on the Bonding Properties of Au(SR) Nanoclusters. *ACS Omega*, **2018**, 3, 14981-14985	3.9	5
202	Reversible Control of Chemoselectivity in Au(SR) Nanocluster-Catalyzed Transfer Hydrogenation of Nitrobenzaldehyde Derivatives. *Journal of Physical Chemistry Letters*, **2018**, 9, 7173-7179	6.4	21
201	Tailoring the structure of 32-metal-atom nanoclusters by ligands and alloying. *Nano Futures*, **2018**, 2, 045004	3.6	11
200	Modulating the hierarchical´fibrous assembly of Au nanoparticles with atomic precision. *Nature Communications*, **2018**, 9, 3871	17.4	48
199	A Correlated Series of Au/Ag Nanoclusters Revealing the Evolutionary Patterns of Asymmetric Ag Doping. *Journal of the American Chemical Society*, **2018**, 140, 14235-14243	16.4	41
198	Unraveling the long-pursued Au structure by x-ray crystallography. *Science Advances*, **2018**, 4, eaat7259	14.3	192
197	Toward the Tailoring Chemistry of Metal Nanoclusters for Enhancing Functionalities. *Accounts of Chemical Research*, **2018**, 51, 2764-2773	24.3	120
196	Molecular-Scale Ligand Effects in Small Gold-Thiolate Nanoclusters. *Journal of the American Chemical Society*, **2018**, 140, 15430-15436	16.4	56

195	New Insights on the Bonding Properties of BCC-like Au38S2(SR)20 Nanoclusters from X-ray Absorption Spectroscopy. *Journal of Physical Chemistry C*, **2018**, 122, 22776-22782	3.8	3
194	Mechanism of Ligand-Controlled Emission in Silicon Nanoparticles. *ACS Nano*, **2018**, 12, 7232-7238	16.7	22
193	Single-ligand exchange on an Au-Cu bimetal nanocluster and mechanism. *Nanoscale*, **2018**, 10, 12093-12099	7.7	25
192	Elucidating the active sites for CO2 electroreduction on ligand-protected Au25 nanoclusters. *Catalysis Science and Technology*, **2018**, 8, 3795-3805	5.5	46
191	On the functional role of the cerium oxide support in the Au38(SR)24/CeO2 catalyst for CO oxidation. *Catalysis Today*, **2017**, 280, 239-245	5.3	32
190	Gold Nanoclusters Promote Electrocatalytic Water Oxidation at the Nanocluster/CoSe Interface. *Journal of the American Chemical Society*, **2017**, 139, 1077-1080	16.4	226
189	Oxidation-Induced Transformation of Eight-Electron Gold Nanoclusters: [Au(SR)] to [Au(SR)]. *Journal of Physical Chemistry Letters*, **2017**, 8, 866-870	6.4	36
188	Site-selective substitution of gold atoms in the Au(SR) nanocluster by silver. *Journal of Colloid and Interface Science*, **2017**, 505, 1202-1207	9.3	18
187	Molecular "surgery" on a 23-gold-atom nanoparticle. *Science Advances*, **2017**, 3, e1603193	14.3	96
186	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
185	Molecular-like Transformation from PhSe-Protected Au25 to Au23 Nanocluster and Its Application. *Chemistry of Materials*, **2017**, 29, 3055-3061	9.6	26
184	Surface Engineering of Au36(SR)24 Nanoclusters for Photoluminescence Enhancement. *Particle and Particle Systems Characterization*, **2017**, 34, 1600388	3.1	35
183	Ultrafast Relaxation Dynamics of Au38(SC2H4Ph)24 Nanoclusters and Effects of Structural Isomerism. *Journal of Physical Chemistry C*, **2017**, 121, 10686-10693	3.8	31
182	The tetrahedral structure and luminescence properties of Bi-metallic PtAg(SR)(PPh) nanocluster. *Chemical Science*, **2017**, 8, 2581-2587	9.4	84
181	On the Non-Metallicity of 2.2 nm Au (SR) Nanoclusters. *Angewandte Chemie - International Edition*, **2017**, 56, 16257-16261	16.4	47
180	Shuttling single metal atom into and out of a metal nanoparticle. *Nature Communications*, **2017**, 8, 848	17.4	60
179	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
178	Bonding properties of FCC-like Au44(SR)28 clusters from X-ray absorption spectroscopy. *Canadian Journal of Chemistry*, **2017**, 95, 1220-1224	0.9	5

177	Electronic Transitions in Highly Symmetric Au130 Nanoclusters by Spectroelectrochemistry and Ultrafast Spectroscopy. *Journal of Physical Chemistry C*, **2017**, 121, 21217-21224	3.8	14
176	Glomerular barrier behaves as an atomically precise bandpass filter in a sub-nanometre regime. *Nature Nanotechnology*, **2017**, 12, 1096-1102	28.7	294
175	Atomically Precise Gold Nanoclusters Accelerate Hydrogen Evolution over MoS Nanosheets: The Dual Interfacial Effect. *Small*, **2017**, 13, 1701519	11	67
174	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
173	Photoluminescence from colloidal silicon nanoparticles: significant effect of surface. *Nanotechnology Reviews*, **2017**, 6, 601-612	6.3	12
172	Reconstructing the Surface of Gold Nanoclusters by Cadmium Doping. *Journal of the American Chemical Society*, **2017**, 139, 17779-17782	16.4	57
171	Chirality in Gold Nanoclusters **2017**, 99-119		
170	High-throughput Quantitative STEM Mass Measurement in Statistically Robust Populations of Supported Metal Nanoparticles. *Microscopy and Microanalysis*, **2017**, 23, 1882-1883	0.5	
169	On the Non-Metallicity of 2.2 nm Au246(SR)80 Nanoclusters. *Angewandte Chemie*, **2017**, 129, 16475-16479	3.6	13
168	Controlling Ag-doping in [AgAu(SCH)] nanoclusters: cryogenic optical, electronic and electrocatalytic properties. *Nanoscale*, **2017**, 9, 19183-19190	7.7	29
167	Chiral Gold Nanoclusters: Atomic Level Origins of Chirality. *Chemistry - an Asian Journal*, **2017**, 12, 1839-1850	4.5	55
166	High-throughput, semi-automated quantitative STEM mass measurement of supported metal nanoparticles using a conventional TEM/STEM. *Ultramicroscopy*, **2017**, 182, 145-155	3.1	7
165	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
164	Atomically Precise Colloidal Metal Nanoclusters and Nanoparticles: Fundamentals and Opportunities. *Chemical Reviews*, **2016**, 116, 10346-413	68.1	1805
163	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
162	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
161	Highly efficient three-component coupling reaction catalysed by atomically precise ligand-protected Au(SCHPh) nanoclusters. *Chemical Communications*, **2016**, 52, 14298-14301	5.8	34
160	Controlling the crystalline phases (FCC, HCP and BCC) of thiolate-protected gold nanoclusters by ligand-based strategies. *CrystEngComm*, **2016**, 18, 6979-6986	3.3	25

159	Characterization of Emissive States for Structurally Precise Au25(SC8H9)180 Monolayer-Protected Gold Nanoclusters Using Magnetophotoluminescence Spectroscopy. *Journal of Physical Chemistry C* , **2016**, 120, 17784-17790	3.8	17
158	Tailoring the Electronic and Catalytic Properties of Au25 Nanoclusters via Ligand Engineering. *ACS Nano*, **2016**, 10, 7998-8005	16.7	134
157	Evolution from the plasmon to exciton state in ligand-protected atomically precise gold nanoparticles. *Nature Communications*, **2016**, 7, 13240	17.4	159
156	Mechanistic insights from atomically precise gold nanocluster-catalyzed reduction of 4-nitrophenol. *Progress in Natural Science: Materials International*, **2016**, 26, 483-486	3.6	28
155	Ultrasmall Au10 clusters anchored on pyramid-capped rectangular TiO2 for olefin oxidation. *Nano Research*, **2016**, 9, 1182-1192	10	13
154	L-Arginine-Triggered Self-Assembly of CeO2 Nanosheaths on Palladium Nanoparticles in Water. *Angewandte Chemie - International Edition*, **2016**, 55, 4542-6	16.4	53
153	Isomerism in Au28(SR)20 Nanocluster and Stable Structures. *Journal of the American Chemical Society*, **2016**, 138, 1482-5	16.4	202
152	Atomic level tuning of the catalytic properties: Doping effects of 25-atom bimetallic nanoclusters on styrene oxidation. *Catalysis Today*, **2016**, 278, 187-191	5.3	24
151	Molecular mechanism for the activation of Au25(SCH2CH2Ph)18 nanoclusters by imidazolium-based ionic liquids for catalysis. *Journal of Catalysis*, **2016**, 337, 72-79	7.3	40
150	Peeling the Core□Shell Au25 Nanocluster by Reverse Ligand-Exchange. *Chemistry of Materials*, **2016** , 28, 1022-1025	9.6	41
149	All-thiolate-protected silver and silver-rich alloy nanoclusters with atomic precision: stable sizes, structural characterization and optical properties. *CrystEngComm*, **2016**, 18, 3996-4005	3.3	40
148	Heavily doped Au25-xAgx(SC6H11)18(-) nanoclusters: silver goes from the core to the surface. *Chemical Communications*, **2016**, 52, 5194-7	5.8	85
147	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
146	Mild activation of CeO2-supported gold nanoclusters and insight into the catalytic behavior in CO oxidation. *Nanoscale*, **2016**, 8, 2378-85	7.7	48
145	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
144	High-Throughput, Semi-Automated Quantitative STEM Atom Counting in Supported Metal Nanoparticles Using a Conventional TEM/STEM. *Microscopy and Microanalysis*, **2016**, 22, 938-939	0.5	
143	l-Arginine-Triggered Self-Assembly of CeO2 Nanosheaths on Palladium Nanoparticles in Water. *Angewandte Chemie*, **2016**, 128, 4618-4622	3.6	11
142	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

141	Controlling the Atomic Structure of Au30 Nanoclusters by a Ligand-Based Strategy. *Angewandte Chemie - International Edition*, **2016**, 55, 6694-7	16.4	139
140	Ultrasmall Palladium Nanoclusters as Effective Catalyst for Oxygen Reduction Reaction. *ChemElectroChem*, **2016**, 3, 1225-1229	4.3	19
139	Controlling the Atomic Structure of Au30 Nanoclusters by a Ligand-Based Strategy. *Angewandte Chemie*, **2016**, 128, 6806-6809	3.6	31
138	Beyond the staple motif: a new order at the thiolate-gold interface. *Nanoscale*, **2016**, 8, 20103-20110	7.7	27
137	Enhanced Emission from Single Isolated Gold Quantum Dots Investigated Using Two-Photon-Excited Fluorescence Near-Field Scanning Optical Microscopy. *Journal of the American Chemical Society*, **2016**, 138, 16299-16307	16.4	33
136	Emergence of hierarchical structural complexities in nanoparticles and their assembly. *Science*, **2016**, 354, 1580-1584	33.3	391
135	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
134	Innenr□ktitelbild: l-Arginine-Triggered Self-Assembly of CeO2 Nanosheaths on Palladium Nanoparticles in Water (Angew. Chem. 14/2016). *Angewandte Chemie*, **2016**, 128, 4687-4687	3.6	
133	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
132	Titania-Supported Palladium/Strontium Nanoparticles (Pd/[email´protected]) for Photocatalytic H2 Production from Water Splitting. *Journal of Physical Chemistry C*, **2016**, 120, 17205-17213	3.8	28
131	Cu(2+) induced formation of Au44(SC2H4Ph)32 and its high catalytic activity for the reduction of 4-nitrophenol at low temperature. *Chemical Communications*, **2015**, 51, 4433-6	5.8	55
130	Structure Determination of [Au18(SR)14]. *Angewandte Chemie*, **2015**, 127, 3183-3187	3.6	53
129	Tri-icosahedral Gold Nanocluster [Au37(PPh3)10(SC2H4Ph)10X2](+): Linear Assembly of Icosahedral Building Blocks. *ACS Nano*, **2015**, 9, 8530-6	16.7	124
128	Crystal Structure of Barrel-Shaped Chiral Au130(p-MBT)50 Nanocluster. *Journal of the American Chemical Society*, **2015**, 137, 10076-9	16.4	207
127	Efficient electrochemical CO2 conversion powered by renewable energy. *ACS Applied Materials & Interfaces*, **2015**, 7, 15626-32	9.5	142
126	Transformation Chemistry of Gold Nanoclusters: From One Stable Size to Another. *Journal of Physical Chemistry Letters*, **2015**, 6, 2976-86	6.4	165
125	Tuning the Magic Size of Atomically Precise Gold Nanoclusters via Isomeric Methylbenzenethiols. *Nano Letters*, **2015**, 15, 3603-9	11.5	121
124	Structural patterns at all scales in a nonmetallic chiral Au133(SR)52 nanoparticle. *Science Advances*, **2015**, 1, e1500045	14.3	294

123	Structural isomerism in gold nanoparticles revealed by X-ray crystallography. [Corrected]. *Nature Communications*, **2015**, 6, 8667	17.4	208
122	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
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