Rongchao Jin

List of Publications by Year
in descending order

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285 papers	47,408 citations	1294 109 h-index	1745 212 g-index
295 all docs	295 docs citations	295 times ranked	23131 citing authors

#	Article	IF	Citations
1	Understanding nascent plasmons and metallic bonding in atomically precise gold nanoclusters. Chemical Science, 2022, 13, 1925-1932.	3.7	8
2	Mass Spectrometry of Au₁₀(4-<i>tert-</i>butylbenzenethiolate)₁₀ Nanoclusters Using Superconducting Tunnel Junction Cryodetection Reveals Distinct Metastable Fragmentation. Journal of the American Society for Mass Spectrometry, 2022, 33, 521-529.	1.2	3
3	Atomic structure of a seed-sized gold nanoprism. Nature Communications, 2022, 13, 1235.	5.8	9
4	From atom-precise nanoclusters to superatom materials. Journal of Chemical Physics, 2022, 156, 170401.	1.2	11
5	Metal Nanoclusters as Biomaterials for Bioapplications: Atomic Precision as the Next Goal. , 2022, 4, 1279-1296.		34
6	Single-electron charging and ultrafast dynamics of bimetallic Au144âˆ’xAgx(PET)60 nanoclusters. Nano Research, 2022, 15, 8573-8578.	5.8	8
7	Atomically Precise Au₄₂ Nanorods with Longitudinal Excitons for an Intense Photothermal Effect. Journal of the American Chemical Society, 2022, 144, 12381-12389.	6.6	36
8	Optical Properties and Excited-State Dynamics of Atomically Precise Gold Nanoclusters. Annual Review of Physical Chemistry, 2021, 72, 121-142.	4.8	40
9	Boosting CO₂ Electrochemical Reduction with Atomically Precise Surface Modification on Gold Nanoclusters. Angewandte Chemie - International Edition, 2021, 60, 6351-6356.	7.2	105
10	Toward Active-Site Tailoring in Heterogeneous Catalysis by Atomically Precise Metal Nanoclusters with Crystallographic Structures. Chemical Reviews, 2021, 121, 567-648.	23.0	361
11	The role of ligands in atomically precise nanocluster-catalyzed CO₂ electrochemical reduction. Nanoscale, 2021, 13, 2333-2337.	2.8	35
12	Ultrabright Au@Cu ₁₄ nanoclusters: 71.3% phosphorescence quantum yield in non-degassed solution at room temperature. Science Advances, 2021, 7, .	4.7	89
13	Observation of Core Phonon in Electronâ€“Phonon Coupling in Au₂₅ Nanoclusters. Journal of Physical Chemistry Letters, 2021, 12, 1690-1695.	2.1	16
14	Boosting CO₂ Electrochemical Reduction with Atomically Precise Surface Modification on Gold Nanoclusters. Angewandte Chemie, 2021, 133, 6421-6426.	1.6	19
15	Open questions on the transition between nanoscale and bulk properties of metals. Communications Chemistry, 2021, 4, .	2.0	29
16	Anomalous pressure-dependence in surface-modified silicon-derived nanoparticles. Nano Research, 2021, 14, 4748-4753.	5.8	5
17	Programmable Metal Nanoclusters with Atomic Precision. Advanced Materials, 2021, 33, e2006591.	11.1	60
18	Double-helical assembly of heterodimeric nanoclusters into supercrystals. Nature, 2021, 594, 380-384.	13.7	138

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19	Total Structure of Bimetallic Coreâ€“Shell [Au 42 Cd 40 (SR) 52] 2âˆ’ Nanocluster and Its Implications. Angewandte Chemie, 2021, 133, 18113-18117.	1.6	3
20	Hydrogen Evolution Electrocatalyst Design: Turning Inert Gold into Active Catalyst by Atomically Precise Nanochemistry. Journal of the American Chemical Society, 2021, 143, 11102-11108.	6.6	64
21	Total Structure of Bimetallic Coreâ€“Shell [Au₄₂Cd₄₀(SR)₅₂]^{2âˆ’} Nanocluster and Its Implications. Angewandte Chemie - International Edition, 2021, 60, 17969-17973.	7.2	20
22	Magnetism of Atomically Precise Gold and Doped Nanoclusters: Delocalized Spin and Interparticle Coupling. Journal of Physical Chemistry C, 2021, 125, 15773-15784.	1.5	11
23	Atomically precise metal nanoclusters meet metal-organic frameworks. IScience, 2021, 24, 103206.	1.9	21
24	The Critical Number of Gold Atoms for a Metallic State Nanocluster: Resolving a Decades-Long Question. ACS Nano, 2021, 15, 13980-13992.	7.3	49
25	Homoleptic Alkynylâ€Protected Ag₁₅ Nanocluster with Atomic Precision: Structural Analysis and Electrocatalytic Performance toward CO₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 26136-26141.	7.2	65
26	Single and bi-excitonic characteristics of ligand-modified silicon nanoparticles as demonstrated <i>via</i> single particle photon statistics and plasmonic effects. Nanoscale, 2021, 13, 15238-15247.	2.8	2
27	Advances in Enhancing Luminescence of Atomically Precise Ag Nanoclusters. Journal of Physical Chemistry C, 2021, 125, 2619-2625.	1.5	29
28	Understanding the Single Atom Doping Effects in Oxygen Reduction with Atomically Precise Metal Nanoclusters. Journal of Physical Chemistry C, 2021, 125, 24831-24836.	1.5	7
29	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.	2.4	20
30	Doping Effect on the Magnetism of Thiolate-Capped 25-Atom Alloy Nanoclusters. Chemistry of Materials, 2020, 32, 9238-9244.	3.2	22
31	Intraparticle Construction of Fundamental Building Blocks for Multilevel Metal Nanoclusters Protected by Ligands. ACS Symposium Series, 2020, , 47-71.	0.5	1
32	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.	6.6	90
33	Isomerization-induced enhancement of luminescence in Au₂₈(SR)₂₀ nanoclusters. Chemical Science, 2020, 11, 8176-8183.	3.7	42
34	Atomically precise nanoclusters with reversible isomeric transformation for rotary nanomotors. Nature Communications, 2020, 11, 6019.	5.8	60
35	Inhomogeneous Quantized Single-Electron Charging and Electrochemicalâ€“Optical Insights on Transition-Sized Atomically Precise Gold Nanoclusters. ACS Nano, 2020, 14, 16781-16790.	7.3	23
36	Atom-by-Atom Evolution of the Same Ligand-Protected Au₂₁, Au₂₂, Au₂₂Cd₁, and Au₂₄ Nanocluster Series. Journal of the American Chemical Society, 2020, 142, 20426-20433.	6.6	36

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37	Atomically Precise Metal Nanoclusters. Synthesis Lectures on Materials and Optics, 2020, 1, 1-139.	0.2	0
38	Atomically precise alloy nanoclusters: syntheses, structures, and properties. Chemical Society Reviews, 2020, 49, 6443-6514.	18.7	407
39	Heteroatom Tracing Reveals the 30-Atom Auâ€"Ag Bimetallic Nanocluster as a Dimeric Structure. Journal of Physical Chemistry Letters, 2020, 11, 7307-7312.	2.1	9
40	Pressure-Induced Optical Transitions in Metal Nanoclusters. ACS Nano, 2020, 14, 11888-11896.	7.3	22
41	Monopalladium Substitution in Gold Nanoclusters Enhances CO₂ Electroreduction Activity and Selectivity. ACS Catalysis, 2020, 10, 12011-12016.	5.5	84
42	Structural distortion and electron redistribution in dual-emitting gold nanoclusters. Nature Communications, 2020, 11, 2897.	5.8	42
43	Chirality and Surface Bonding Correlation in Atomically Precise Metal Nanoclusters. Advanced Materials, 2020, 32, e1905488.	11.1	118
44	Ligand exchange on Au₃₈(SR)₂₄: substituent site effects of aromatic thiols. Nanoscale, 2020, 12, 9423-9429.	2.8	24
45	Atomic-precision engineering of metal nanoclusters. Dalton Transactions, 2020, 49, 10701-10707.	1.6	38
46	Atomically resolved Au52Cu72(SR)55 nanoalloy reveals Marks decahedron truncation and Penrose tiling surface. Nature Communications, 2020, 11, 478.	5.8	39
47	Elucidating the stability of ligand-protected Au nanoclusters under electrochemical reduction of CO2. SN Applied Sciences, 2020, 2, 1.	1.5	22
48	Heterometal-Doped M₂₃ (M = Au/Ag/Cd) Nanoclusters with Large Dipole Moments. ACS Nano, 2020, 14, 6599-6606.	7.3	26
49	Atomically Precise Nanoclusters as Electrocatalysts. Molecular Catalysis, 2020, , 39-68.	1.3	3
50	Understanding the Solubility Behavior of Atomically Precise Gold Nanoclusters. Journal of Physical Chemistry C, 2019, 123, 20006-20012.	1.5	13
51	Theoretical Prediction of Optical Absorption and Emission in Thiolated Gold Clusters. Journal of Physical Chemistry A, 2019, 123, 6472-6481.	1.1	9
52	Gold Nanoclusters: Bridging Gold Complexes and Plasmonic Nanoparticles in Photophysical Properties. Nanomaterials, 2019, 9, 933.	1.9	33
53	Luminescence and Electron Dynamics in Atomically Precise Nanoclusters with Eight Superatomic Electrons. Journal of the American Chemical Society, 2019, 141, 18715-18726.	6.6	59
54	Au_{130âˆ’<i>x</i>}Ag_{<i>x</i>} Nanoclusters with Nonâ€Metallicity: A Drum of Silverâ€Rich Sites Enclosed in a Marksâ€Decahedral Cage of Goldâ€Rich Sites. Angewandte Chemie, 2019, 131, 18974-18978.	1.6	15

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55	Au_{130âˆ’<i>x</i>}Ag_{<i>x</i>} Nanoclusters with Nonâ€Metallicity: A Drum of Silverâ€Rich Sites Enclosed in a Marksâ€Decahedral Cage of Goldâ€Rich Sites. Angewandte Chemie - International Edition, 2019, 58, 18798-18802.	7.2	32
56	Controlling magnetism of Au₁₃₃(TBBT)₅₂ nanoclusters at single electron level and implication for nonmetal to metal transition. Chemical Science, 2019, 10, 9684-9691.	3.7	35
57	New Advances in Atomically Precise Silver Nanoclusters. , 2019, 1, 482-489.		102
58	Rational construction of a library of M ₂₉ nanoclusters from monometallic to tetrametallic. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18834-18840.	3.3	86
59	Anomalous phonon relaxation in Au ₃₃₃ (SR) ₇₉ nanoparticles with nascent plasmons. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13215-13220.	3.3	29
60	Atomically Precise Metal Nanoclusters for Catalysis. ACS Nano, 2019, 13, 7383-7387.	7.3	126
61	A Mono-cuboctahedral Series of Gold Nanoclusters: Photoluminescence Origin, Large Enhancement, Wide Tunability, and Structureâ€“Property Correlation. Journal of the American Chemical Society, 2019, 141, 5314-5325.	6.6	149
62	Luminescent metal nanoclusters for biomedical applications. Nano Research, 2019, 12, 1251-1265.	5.8	94
63	Three-Stage Evolution from Nonscalable to Scalable Optical Properties of Thiolate-Protected Gold Nanoclusters. Journal of the American Chemical Society, 2019, 141, 19754-19764.	6.6	110
64	Fusion growth patterns in atomically precise metal nanoclusters. Nanoscale, 2019, 11, 19158-19165.	2.8	37
65	Atomically Tailored Gold Nanoclusters for Catalytic Application. Angewandte Chemie, 2019, 131, 8377-8388.	1.6	59
66	Atomically Tailored Gold Nanoclusters for Catalytic Application. Angewandte Chemie - International Edition, 2019, 58, 8291-8302.	7.2	200
67	Controlling Nanoparticles with Atomic Precision. Accounts of Chemical Research, 2019, 52, 1-1.	7.6	46
68	Three-orders-of-magnitude variation of carrier lifetimes with crystal phase of gold nanoclusters. Science, 2019, 364, 279-282.	6.0	149
69	Chiral Ag23 nanocluster with open shell electronic structure and helical face-centered cubic framework. Nature Communications, 2018, 9, 744.	5.8	132
70	Excited-State Behaviors of M₁Au₂₄(SR)₁₈ Nanoclusters: The Number of Valence Electrons Matters. Journal of Physical Chemistry C, 2018, 122, 13435-13442.	1.5	44
71	Dual effects of water vapor on ceria-supported gold clusters. Nanoscale, 2018, 10, 6558-6565.	2.8	26
72	Sharp Transition from Nonmetallic Au₂₄₆ to Metallic Au₂₇₉ with Nascent Surface Plasmon Resonance. Journal of the American Chemical Society, 2018, 140, 5691-5695.	6.6	157

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73	Heterogeneous catalysis by gold and gold-based bimetal nanoclusters. Nano Today, 2018, 18, 86-102.	6.2	150
74	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.	8.8	269
75	Investigating the Hybridâ€Structureâ€Effect of CeO₂â€Encapsulated Au Nanostructures on the Transfer Coupling of Nitrobenzene. Advanced Materials, 2018, 30, 1704416.	11.1	57
76	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.	5.5	142
77	Suppressing the active site-blocking impact of ligands of Ni₆(SR)₁₂ clusters with the assistance of NH₃ on catalytic hydrogenation of nitriles. Nanoscale, 2018, 10, 19375-19382.	2.8	9
78	Au10(TBBT)10: The beginning and the end of Au<i>n</i>(TBBT)<i>m</i> nanoclusters. Chinese Journal of Chemical Physics, 2018, 31, 555-562.	0.6	7
79	Core Geometry Effect on the Bonding Properties of Goldâ€"Thiolate Nanoclusters: The Case of Hexagonal-Close-Packed Au₃₀(SR)₁₈. Journal of Physical Chemistry C, 2018, 122, 23414-23419.	1.5	7
80	Sensitive X-ray Absorption Near Edge Structure Analysis on the Bonding Properties of Au₃₀(SR)₁₈ Nanoclusters. ACS Omega, 2018, 3, 14981-14985.	1.6	8
81	Reversible Control of Chemoselectivity in Au₃₈(SR)₂₄ Nanocluster-Catalyzed Transfer Hydrogenation of Nitrobenzaldehyde Derivatives. Journal of Physical Chemistry Letters, 2018, 9, 7173-7179.	2.1	34
82	Tailoring the structure of 32-metal-atom nanoclusters by ligands and alloying. Nano Futures, 2018, 2, 045004.	1.0	15
83	Modulating the hierarchicalÂfibrous assembly of Au nanoparticles with atomic precision. Nature Communications, 2018, 9, 3871.	5.8	77
84	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.	6.6	63
85	Unraveling the long-pursued Au ₁₄₄ structure by x-ray crystallography. Science Advances, 2018, 4, eaat7259.	4.7	267
86	Toward the Tailoring Chemistry of Metal Nanoclusters for Enhancing Functionalities. Accounts of Chemical Research, 2018, 51, 2764-2773.	7.6	163
87	Molecular-Scale Ligand Effects in Small Goldâ€"Thiolate Nanoclusters. Journal of the American Chemical Society, 2018, 140, 15430-15436.	6.6	90
88	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.	1.5	4
89	Mechanism of Ligand-Controlled Emission in Silicon Nanoparticles. ACS Nano, 2018, 12, 7232-7238.	7.3	25
90	Single-ligand exchange on an Auâ€"Cu bimetal nanocluster and mechanism. Nanoscale, 2018, 10, 12093-12099.	2.8	30

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91	Elucidating the active sites for CO₂ electroreduction on ligand-protected Au₂₅ nanoclusters. Catalysis Science and Technology, 2018, 8, 3795-3805.	2.1	76
92	Pt/CeO₂@MOF Core@Shell Nanoreactor for Selective Hydrogenation of Furfural via the Channel Screening Effect. ACS Catalysis, 2018, 8, 8506-8512.	5.5	145
93	Central Doping of a Foreign Atom into the Silver Cluster for Catalytic Conversion of CO₂ toward Câˆ’C Bond Formation. Angewandte Chemie, 2018, 130, 9923-9927.	1.6	29
94	Structural and catalytic properties of the Au_{25âˆ’x}Ag_x(SCH₃)₁₈(<i>x</i>= 6, 7, 8) nanocluster. Physical Chemistry Chemical Physics, 2018, 20, 13747-13756.	1.3	17
95	Large-Scale Synthesis, Crystal Structure, and Optical Properties of the Ag₁₄₆Br₂(SR)₈₀ Nanocluster. ACS Nano, 2018, 12, 9318-9325.	7.3	72
96	Interface Engineering of Gold Nanoclusters for CO Oxidation Catalysis. ACS Applied Materials & Interfaces, 2018, 10, 29425-29434.	4.0	53
97	Central Doping of a Foreign Atom into the Silver Cluster for Catalytic Conversion of CO₂ toward Câˆ’C Bond Formation. Angewandte Chemie - International Edition, 2018, 57, 9775-9779.	7.2	151
98	Structural Evolution Patterns of FCC-Type Gold Nanoclusters. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 755-761.	2.2	6
99	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.	2.2	39
100	Gold Nanoclusters Promote Electrocatalytic Water Oxidation at the Nanocluster/CoSe₂ Interface. Journal of the American Chemical Society, 2017, 139, 1077-1080.	6.6	294
101	Oxidation-Induced Transformation of Eight-Electron Gold Nanoclusters: [Au₂₃(SR)₁₆]^{âˆ’} to [Au₂₈(SR)₂₀]⁰. Journal of Physical Chemistry Letters, 2017, 8, 866-870.	2.1	45
102	Site-selective substitution of gold atoms in the Au24(SR)20 nanocluster by silver. Journal of Colloid and Interface Science, 2017, 505, 1202-1207.	5.0	24
103	Molecular â€œsurgeryâ€•on a 23-gold-atom nanoparticle. Science Advances, 2017, 3, e1603193.	4.7	121
104	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.	3.3	56
105	Molecular-like Transformation from PhSe-Protected Au₂₅ to Au₂₃ Nanocluster and Its Application. Chemistry of Materials, 2017, 29, 3055-3061.	3.2	34
106	Surface Engineering of Au₃₆(SR)₂₄ Nanoclusters for Photoluminescence Enhancement. Particle and Particle Systems Characterization, 2017, 34, 1600388.	1.2	39
107	Ultrafast Relaxation Dynamics of Au₃₈(SC₂H₄Ph)₂₄ Nanoclusters and Effects of Structural Isomerism. Journal of Physical Chemistry C, 2017, 121, 10686-10693.	1.5	41
108	The tetrahedral structure and luminescence properties of Bi-metallic Pt₁Ag₂₈(SR)₁₈(PPh₃)₄ nanocluster. Chemical Science, 2017, 8, 2581-2587.	3.7	105

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109	On the Nonâ€Metallicity of 2.2â€…nm Au₂₄₆(SR)₈₀ Nanoclusters. Angewandte Chemie - International Edition, 2017, 56, 16257-16261.	7.2	61
110	Shuttling single metal atom into and out of a metal nanoparticle. Nature Communications, 2017, 8, 848.	5.8	77
111	Ligand- and Solvent-Dependent Electronic Relaxation Dynamics of Au₂₅(SR)₁₈^{â€“} Monolayer-Protected Clusters. Journal of Physical Chemistry C, 2017, 121, 24894-24902.	1.5	54
112	Bonding properties of FCC-like Au₄₄(SR)₂₈ clusters from X-ray absorption spectroscopy. Canadian Journal of Chemistry, 2017, 95, 1220-1224.	0.6	7
113	Electronic Transitions in Highly Symmetric Au₁₃₀ Nanoclusters by Spectroelectrochemistry and Ultrafast Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 21217-21224.	1.5	15
114	Glomerular barrier behaves as an atomically precise bandpass filter in a sub-nanometre regime. Nature Nanotechnology, 2017, 12, 1096-1102.	15.6	408
115	Atomically Precise Gold Nanoclusters Accelerate Hydrogen Evolution over MoS₂ Nanosheets: The Dual Interfacial Effect. Small, 2017, 13, 1701519.	5.2	92
116	Evolution of Excited-State Dynamics in Periodic Au₂₈, Au₃₆, Au₄₄, and Au₅₂ Nanoclusters. Journal of Physical Chemistry Letters, 2017, 8, 4023-4030.	2.1	77
117	Photoluminescence from colloidal silicon nanoparticles: significant effect of surface. Nanotechnology Reviews, 2017, 6, 601-612.	2.6	23
118	Reconstructing the Surface of Gold Nanoclusters by Cadmium Doping. Journal of the American Chemical Society, 2017, 139, 17779-17782.	6.6	84
119	Chirality in Gold Nanoclusters. , 2017, , 99-119.		0
120	High-throughput Quantitative STEM Mass Measurement in Statistically Robust Populations of Supported Metal Nanoparticles. Microscopy and Microanalysis, 2017, 23, 1882-1883.	0.2	0
121	On the Nonâ€Metallicity of 2.2â€…nm Au 246 (SR) 80 Nanoclusters. Angewandte Chemie, 2017, 129, 16475-16479.	1.6	16
122	Controlling Ag-doping in [Ag_xAu_{25âˆ’x}(SC₆H₁₁)₁₈]^{âˆ’}nanoclusters: cryogenic optical, electronic and electrocatalytic properties. Nanoscale, 2017, 9, 19183-19190.	2.8	43
123	Chiral Gold Nanoclusters: Atomic Level Origins of Chirality. Chemistry - an Asian Journal, 2017, 12, 1839-1850.	1.7	87
124	High-throughput, semi-automated quantitative STEM mass measurement of supported metal nanoparticles using a conventional TEM/STEM. Ultramicroscopy, 2017, 182, 145-155.	0.8	9
125	Tailoring the Structure of 58-Electron Gold Nanoclusters: Au₁₀₃S₂(S-Nap)₄₁ and Its Implications. Journal of the American Chemical Society, 2017, 139, 9994-10001.	6.6	159
126	High-Throughput, Semi-Automated Quantitative STEM Atom Counting in Supported Metal Nanoparticles Using a Conventional TEM/STEM. Microscopy and Microanalysis, 2016, 22, 938-939.	0.2	0

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127	<scp>l</scp>â€Arginineâ€Triggered Selfâ€Assembly of CeO₂ Nanosheaths on Palladium Nanoparticles in Water. Angewandte Chemie, 2016, 128, 4618-4622.	1.6	11
128	Atomic Structure of Self-Assembled Monolayer of Thiolates on a Tetragonal Au₉₂ Nanocrystal. Journal of the American Chemical Society, 2016, 138, 8710-8713.	6.6	150
129	Controlling the Atomic Structure of Au₃₀ Nanoclusters by a Ligandâ€Based Strategy. Angewandte Chemie - International Edition, 2016, 55, 6694-6697.	7.2	164
130	Ultrasmall Palladium Nanoclusters as Effective Catalyst for Oxygen Reduction Reaction. ChemElectroChem, 2016, 3, 1225-1229.	1.7	35
131	Controlling the Atomic Structure of Au₃₀ Nanoclusters by a Ligandâ€Based Strategy. Angewandte Chemie, 2016, 128, 6806-6809.	1.6	38
132	Beyond the staple motif: a new order at the thiolateâ€“gold interface. Nanoscale, 2016, 8, 20103-20110.	2.8	32
133	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.	6.6	38
134	Emergence of hierarchical structural complexities in nanoparticles and their assembly. Science, 2016, 354, 1580-1584.	6.0	490
135	Gold Quantum Boxes: On the Periodicities and the Quantum Confinement in the Au₂₈, Au₃₆, Au₄₄, and Au₅₂ Magic Series. Journal of the American Chemical Society, 2016, 138, 3950-3953.	6.6	259
136	InnenrÃ¼cktitelbild:l-Arginine-Triggered Self-Assembly of CeO2Nanosheaths on Palladium Nanoparticles in Water (Angew. Chem. 14/2016). Angewandte Chemie, 2016, 128, 4687-4687.	1.6	0
137	Establishing Porosity Gradients within Metalâ€“Organic Frameworks Using Partial Postsynthetic Ligand Exchange. Journal of the American Chemical Society, 2016, 138, 12045-12048.	6.6	112
138	Titania-Supported Palladium/Strontium Nanoparticles (Pd/Sr-NPs@P25) for Photocatalytic H₂ Production from Water Splitting. Journal of Physical Chemistry C, 2016, 120, 17205-17213.	1.5	48
139	Atomically Precise Colloidal Metal Nanoclusters and Nanoparticles: Fundamentals and Opportunities. Chemical Reviews, 2016, 116, 10346-10413.	23.0	2,450
140	Macroscopic Foamâ€Like Holey Ultrathin gâ€C₃N₄ Nanosheets for Drastic Improvement of Visibleâ€Light Photocatalytic Activity. Advanced Energy Materials, 2016, 6, 1601273.	10.2	466
141	Silicon Nanoparticles with Surface Nitrogen: 90% Quantum Yield with Narrow Luminescence Bandwidth and the Ligand Structure Based Energy Law. ACS Nano, 2016, 10, 8385-8393.	7.3	154
142	Highly efficient three-component coupling reaction catalysed by atomically precise ligand-protected Au₃₈(SC₂H₄Ph)₂₄ nanoclusters. Chemical Communications, 2016, 52, 14298-14301.	2.2	47
143	Controlling the crystalline phases (FCC, HCP and BCC) of thiolate-protected gold nanoclusters by ligand-based strategies. CrystEngComm, 2016, 18, 6979-6986.	1.3	35
144	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.	1.5	19

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145	Tailoring the Electronic and Catalytic Properties of Au₂₅ Nanoclusters <i>via</i> Ligand Engineering. ACS Nano, 2016, 10, 7998-8005.	7.3	175
146	Evolution from the plasmon to exciton state in ligand-protected atomically precise gold nanoparticles. Nature Communications, 2016, 7, 13240.	5.8	205
147	Mechanistic insights from atomically precise gold nanocluster-catalyzed reduction of 4-nitrophenol. Progress in Natural Science: Materials International, 2016, 26, 483-486.	1.8	29
148	Ultrasmall Au10 clusters anchored on pyramid-capped rectangular TiO2 for olefin oxidation. Nano Research, 2016, 9, 1182-1192.	5.8	14
149	<scp>l</scp>â€Arginineâ€Triggered Selfâ€Assembly of CeO₂ Nanosheaths on Palladium Nanoparticles in Water. Angewandte Chemie - International Edition, 2016, 55, 4542-4546.	7.2	63
150	Isomerism in Au₂₈(SR)₂₀ Nanocluster and Stable Structures. Journal of the American Chemical Society, 2016, 138, 1482-1485.	6.6	246
151	Atomic level tuning of the catalytic properties: Doping effects of 25-atom bimetallic nanoclusters on styrene oxidation. Catalysis Today, 2016, 278, 187-191.	2.2	32
152	Molecular mechanism for the activation of Au25(SCH2CH2Ph)18 nanoclusters by imidazolium-based ionic liquids for catalysis. Journal of Catalysis, 2016, 337, 72-79.	3.1	47
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