Manzhou Zhu

List of Publications by Year
in descending order

285 papers	18,854 citations	17405 63 h-index	14702 127 g-index
290 all docs	290 docs citations	290 times ranked	9484 citing authors

#	Article	IF	Citations
1	Correlating the Crystal Structure of A Thiol-Protected Au₂₅ Cluster and Optical Properties. Journal of the American Chemical Society, 2008, 130, 5883-5885.	6.6	2,014
2	Atomically Precise Noble Metal Nanoclusters as Efficient Catalysts: A Bridge between Structure and Properties. Chemical Reviews, 2020, 120, 526-622.	23.0	849
3	Quantum Sized Gold Nanoclusters with Atomic Precision. Accounts of Chemical Research, 2012, 45, 1470-1479.	7.6	837
4	Tailoring the photoluminescence of atomically precise nanoclusters. Chemical Society Reviews, 2019, 48, 2422-2457.	18.7	655
5	Kinetically Controlled, High-Yield Synthesis of Au₂₅ Clusters. Journal of the American Chemical Society, 2008, 130, 1138-1139.	6.6	538
6	A 200â€fold Quantum Yield Boost in the Photoluminescence of Silverâ€Doped Ag_{<i>x</i>}Au_{25âˆ’<i>x</i>} Nanoclusters: The 13â€‰th Silver Atom Matters. Angewandte Chemie - International Edition, 2014, 53, 2376-2380.	7.2	501
7	Conversion of Anionic [Au₂₅(SCH₂CH₂Ph)₁₈]^{âˆ’} Cluster to Charge Neutral Cluster via Air Oxidation. Journal of Physical Chemistry C, 2008, 112, 14221-14224.	1.5	414
8	Reversible Switching of Magnetism in Thiolate-Protected Au₂₅ Superatoms. Journal of the American Chemical Society, 2009, 131, 2490-2492.	6.6	414
9	Atomically precise alloy nanoclusters: syntheses, structures, and properties. Chemical Society Reviews, 2020, 49, 6443-6514.	18.7	407
10	Size Focusing: A Methodology for Synthesizing Atomically Precise Gold Nanoclusters. Journal of Physical Chemistry Letters, 2010, 1, 2903-2910.	2.1	402
11	Metal Exchange Method Using Au₂₅Nanoclusters as Templates for Alloy Nanoclusters with Atomic Precision. Journal of the American Chemical Society, 2015, 137, 4018-4021.	6.6	266
12	Au₂₅(SR)₁₈: the captain of the great nanocluster ship. Nanoscale, 2018, 10, 10758-10834.	2.8	253
13	Thiolateâ€Protected Au_{<i>n</i>} Nanoclusters as Catalysts for Selective Oxidation and Hydrogenation Processes. Advanced Materials, 2010, 22, 1915-1920.	11.1	228
14	The Structure and Optical Properties of the [Au₁₈(SR)₁₄] Nanocluster. Angewandte Chemie - International Edition, 2015, 54, 3145-3149.	7.2	205
15	Evolution from the plasmon to exciton state in ligand-protected atomically precise gold nanoparticles. Nature Communications, 2016, 7, 13240.	5.8	205
16	Bimetallic Au₂Cu₆ Nanoclusters: Strong Luminescence Induced by the Aggregation of Copper(I) Complexes with Gold(0) Species. Angewandte Chemie - International Edition, 2016, 55, 3611-3614.	7.2	200
17	Thiolate-Protected Au₂₀ Clusters with a Large Energy Gap of 2.1 eV. Journal of the American Chemical Society, 2009, 131, 7220-7221.	6.6	188
18	The photoluminescent metal nanoclusters with atomic precision. Coordination Chemistry Reviews, 2019, 378, 595-617.	9.5	178

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19	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, 15559-15565.	6.6	176
20	Customizing the Structure, Composition, and Properties of Alloy Nanoclusters by Metal Exchange. Accounts of Chemical Research, 2018, 51, 2784-2792.	7.6	175
21	Crystal Structure of Selenolate-Protected Au₂₄(SeR)₂₀ Nanocluster. Journal of the American Chemical Society, 2014, 136, 2963-2965.	6.6	171
22	Facile, Large-Scale Synthesis of Dodecanethiol-Stabilized Au₃₈ Clusters. Journal of Physical Chemistry A, 2009, 113, 4281-4284.	1.1	167
23	Chiral Au₂₅ Nanospheres and Nanorods: Synthesis and Insight into the Origin of Chirality. Nano Letters, 2011, 11, 3963-3969.	4.5	167
24	Crystallization-induced emission enhancement: A novel fluorescent Au-Ag bimetallic nanocluster with precise atomic structure. Science Advances, 2017, 3, e1700956.	4.7	167
25	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, 10754-10757.	6.6	160
26	Atomically Precise Dinuclear Site Active toward Electrocatalytic CO₂ Reduction. Journal of the American Chemical Society, 2021, 143, 11317-11324.	6.6	153
27	Total structure determination of surface doping [Ag ₄₆ Au ₂₄ (SR) ₃₂](BPh ₄) ₂ nanocluster and its structure-related catalytic property. Science Advances, 2015, 1, e1500441.	4.7	146
28	Design and Remarkable Efficiency of the Robust Sandwich Cluster Composite Nanocatalysts ZIF-8@Au₂₅@ZIF-67. Journal of the American Chemical Society, 2020, 142, 4126-4130.	6.6	141
29	The Magic Au₆₀ Nanocluster: A New Clusterâ€Assembled Material with Five Au₁₃ Building Blocks. Angewandte Chemie - International Edition, 2015, 54, 8430-8434.	7.2	139
30	One-Pot Synthesis of Robust Core/Shell Gold Nanoparticles. Journal of the American Chemical Society, 2008, 130, 12852-12853.	6.6	138
31	Ag₅₀(Dppm)₆(SR)₃₀ and Its Homologue Au_{<i>x</i>}Ag_{50â€“<i>x</i>}(Dppm)₆(SR)₃₀ Alloy Nanocluster: Seeded Growth, Structure Determination, and Differences in Properties. Journal of the American Chemical Society, 2017, 139, 1618-1624.	6.6	138
32	Transformation of Atomically Precise Nanoclusters by Ligand-Exchange. Chemistry of Materials, 2019, 31, 9939-9969.	3.2	130
33	Intra-cluster growth meets inter-cluster assembly: The molecular and supramolecular chemistry of atomically precise nanoclusters. Coordination Chemistry Reviews, 2019, 394, 1-38.	9.5	129
34	Observation of a new type of aggregation-induced emission in nanoclusters. Chemical Science, 2018, 9, 3062-3068.	3.7	118
35	Thiolate-Protected Au₂₄(SC₂H₄Ph)₂₀ Nanoclusters: Superatoms or Not?. Journal of Physical Chemistry Letters, 2010, 1, 1003-1007.	2.1	114
36	Near Infrared Electrochemiluminescence of Rod-Shape 25-Atom AuAg Nanoclusters That Is Hundreds-Fold Stronger Than That of Ru(bpy)₃ Standard. Journal of the American Chemical Society, 2019, 141, 9603-9609.	6.6	108

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37	6-Substituted quinoline-based ratiometric two-photon fluorescent probes for biological Zn2+ detection. Chemical Communications, 2012, 48, 4196.	2.2	106
38	The tetrahedral structure and luminescence properties of Bi-metallic Pt₁Ag₂₈(SR)₁₈(PPh₃)₄ nanocluster. Chemical Science, 2017, 8, 2581-2587.	3.7	105
39	A Robust and Efficient Pd₃ Cluster Catalyst for the Suzuki Reaction and Its Odd Mechanism. ACS Catalysis, 2017, 7, 1860-1867.	5.5	99
40	Conversion of Polydisperse Au Nanoparticles into Monodisperse Au₂₅ Nanorods and Nanospheres. Journal of Physical Chemistry C, 2009, 113, 17599-17603.	1.5	97
41	Crystal structure of Au₂₅(SePh)₁₈ nanoclusters and insights into their electronic, optical and catalytic properties. Nanoscale, 2014, 6, 13977-13985.	2.8	97
42	Chirality in Gold Nanoclusters Probed by NMR Spectroscopy. ACS Nano, 2011, 5, 8935-8942.	7.3	93
43	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.	4.0	90
44	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.	6.6	90
45	Ultrabright Au@Cu ₁₄ nanoclusters: 71.3% phosphorescence quantum yield in non-degassed solution at room temperature. Science Advances, 2021, 7, .	4.7	89
46	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
47	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.	2.2	85
48	Ligand-exchange synthesis of selenophenolate-capped Au25 nanoclusters. Nanoscale, 2012, 4, 4161.	2.8	82
49	A naked-eye rhodamine-based fluorescent probe for Fe(III) and its application in living cells. Tetrahedron Letters, 2011, 52, 2840-2843.	0.7	81
50	Total Structure Determination of Au₁₆(S-Adm)₁₂ and Cd₁Au₁₄(S<i>t</i>Bu)₁₂ and Implications for the Structure of Au₁₅(SR)₁₃. Journal of the American Chemical Society, 2018, 140, 10988-10994.	6.6	81
51	A Unique Pair: Ag₄₀ and Ag₄₆ Nanoclusters with the Same Surface but Different Cores for Structureâ€“Property Correlation. Journal of the American Chemical Society, 2018, 140, 15582-15585.	6.6	80
52	Assembly of the Thiolated [Au₁Ag₂₂(Sâ€Adm)₁₂]³⁺ Superatom Complex into a Framework Material through Direct Linkage by SbF₆^{âˆ’} Anions. Angewandte Chemie - International Edition, 2020, 59, 7542-7547.	7.2	79
53	Shuttling single metal atom into and out of a metal nanoparticle. Nature Communications, 2017, 8, 848.	5.8	77
54	Design and mechanistic study of a novel gold nanocluster-based drug delivery system. Nanoscale, 2018, 10, 10166-10172.	2.8	76

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55	Ultrafast Relaxation Dynamics of Luminescent Rod-Shaped, Silver-Doped Ag_{<i>x</i>}Au_{25â€“<i>x</i>} Clusters. Journal of Physical Chemistry C, 2015, 119, 18790-18797.	1.5	75
56	Bimetallic Pd-Ni core-shell nanoparticles as effective catalysts for the Suzuki reaction. Nano Research, 2014, 7, 1337-1343.	5.8	74
57	Size-confined growth of atom-precise nanoclusters in metalâ€“organic frameworks and their catalytic applications. Nanoscale, 2016, 8, 1407-1412.	2.8	74
58	Electron Transfer between [Au₂₅(SC₂H₄Ph)₁₈]^{âˆ’}TOA⁺ and Oxoammonium Cations. Journal of Physical Chemistry Letters, 2011, 2, 2104-2109.	2.1	72
59	Large-Scale Synthesis, Crystal Structure, and Optical Properties of the Ag₁₄₆Br₂(SR)₈₀ Nanocluster. ACS Nano, 2018, 12, 9318-9325.	7.3	72
60	Shapeâ€Controlled Synthesis of Trimetallic Nanoclusters: Structure Elucidation and Properties Investigation. Chemistry - A European Journal, 2016, 22, 17145-17150.	1.7	67
61	Reversible nanocluster structure transformation between face-centered cubic and icosahedral isomers. Chemical Science, 2019, 10, 8685-8693.	3.7	65
62	A two-photon fluorescent probe for biological Cu (â…¡) and PPi detection in aqueous solution and in vivo. Biosensors and Bioelectronics, 2017, 90, 276-282.	5.3	64
63	A ratiometric two-photon fluorescent probe for hydrazine and its applications. Sensors and Actuators B: Chemical, 2015, 220, 1338-1345.	4.0	63
64	X-Ray crystal structure, and optical and electrochemical properties of the Au₁₅Ag₃(SC₆H₁₁)₁₄nanocluster with a coreâ€“shell structure. Nanoscale, 2015, 7, 18278-18283.	2.8	62
65	Design of an ultrasmall Au nanoclusterâ€“CeO2 mesoporous nanocomposite catalyst for nitrobenzene reduction. Nanoscale, 2013, 5, 7622.	2.8	61
66	Intramolecular Charge Transfer and Solvation Dynamics of Thiolate-Protected Au₂₀(SR)₁₆ Clusters Studied by Ultrafast Measurement. Journal of Physical Chemistry A, 2013, 117, 10294-10303.	1.1	60
67	A carbazole-based â€œturn-onâ€•two-photon fluorescent probe for biological Cu2+ detection vis Cu2+-promoted hydrolysis. Dyes and Pigments, 2016, 125, 185-191.	2.0	60
68	Two-Photon Fluorescent Probes for Biological Mg²⁺ Detection Based on 7-Substituted Coumarin. Journal of Organic Chemistry, 2015, 80, 4306-4312.	1.7	59
69	Synthesis of selenolate-protected Au18(SeC6H5)14 nanoclusters. Nanoscale, 2013, 5, 1176.	2.8	58
70	Pdâ€“Ni Alloy Nanoparticles as Effective Catalysts for Miyauraâ€“Heck Coupling Reactions. Journal of Physical Chemistry C, 2015, 119, 11511-11515.	1.5	58
71	Litchi-like Fe₃O₄@Fe-MOF capped with HAp gatekeepers for pH-triggered drug release and anticancer effect. Journal of Materials Chemistry B, 2017, 5, 8600-8606.	2.9	58
72	Au25 Clusters as Electron-Transfer Catalysts Induced the Intramolecular Cascade Reaction of 2-nitrobenzonitrile. Scientific Reports, 2013, 3, 3214.	1.6	57

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73	Chiral 38â€Goldâ€Atom Nanoclusters: Synthesis and Chiroptical Properties. Small, 2014, 10, 1008-1014.	5.2	56
74	How a Single Electron Affects the Properties of the â€œNon-Superatomâ€• Au₂₅ Nanoclusters. Chemistry of Materials, 2016, 28, 2609-2617.	3.2	56
75	Rational encapsulation of atomically precise nanoclusters into metalâ€“organic frameworks by electrostatic attraction for CO₂ conversion. Journal of Materials Chemistry A, 2018, 6, 15371-15376.	5.2	56
76	Free Valence Electron Centralization Strategy for Preparing Ultrastable Nanoclusters and Their Catalytic Application. Inorganic Chemistry, 2019, 58, 11000-11009.	1.9	56
77	A metal exchange method for thiolate-protected tri-metal M₁Ag_xAu_{24â^'x}(SR)₁₈⁰(M = Cd/Hg) nanoclusters. Nanoscale, 2015, 7, 10005-10007.	2.8	55
78	A New Crystal Structure of Au₃₆ with a Au₁₄ Kernel Cocapped by Thiolate and Chloride. Journal of the American Chemical Society, 2015, 137, 10033-10035.	6.6	54
79	Mild activation of CeO₂-supported gold nanoclusters and insight into the catalytic behavior in CO oxidation. Nanoscale, 2016, 8, 2378-2385.	2.8	54
80	Multi-ligand-directed synthesis of chiral silver nanoclusters. Nanoscale, 2017, 9, 16800-16805.	2.8	54
81	Exposing the Delocalized Cuâ^'S Ï€ Bonds on the Au₂₄Cu₆(SPh<i>t</i>Bu)₂₂ Nanocluster and Its Application in Ringâ€Opening Reactions. Angewandte Chemie - International Edition, 2019, 58, 15671-15674.	7.2	54
82	A rhodamine-based fluorescent probe for detecting Hg2+ in a fully aqueous environment. Dalton Transactions, 2013, 42, 14819.	1.6	48
83	Cyclic Pt₃Ag₃₃ and Pt₃Au₁₂Ag₂₁ nanoclusters with M₁₃ icosahedra as building-blocks. Chemical Communications, 2018, 54, 12077-12080.	2.2	48
84	Metal Nanoclusters Stabilized by Selenol Ligands. Small, 2019, 15, e1902703.	5.2	48
85	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.	1.5	47
86	A quinoline based fluorescent probe that can distinguish zinc(II) from cadmium(II) in water. Tetrahedron Letters, 2013, 54, 1125-1128.	0.7	46
87	Unexpected reactivity of Au25(SCH2CH2Ph)18 nanoclusters with salts. Nanoscale, 2011, 3, 1703.	2.8	45
88	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.	3.1	45
89	Isomerism in Auâ€“Ag Alloy Nanoclusters: Structure Determination and Enantioseparation of [Au₉Ag₁₂(SR)₄(dppm)₆X₆]³⁺. Inorganic Chemistry, 2018, 57, 5114-5119.	1.9	45
90	Insight into the Mechanism of the CuAAC Reaction by Capturing the Crucial Au₄Cu₄â€“Ï€-Alkyne Intermediate. Journal of the American Chemical Society, 2021, 143, 1768-1772.	6.6	45

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91	Ligand Modification of Au₂₅ Nanoclusters for Near-Infrared Photocatalytic Oxidative Functionalization. Journal of the American Chemical Society, 2022, 144, 3787-3792.	6.6	45
92	One-phase controlled synthesis of Au₂₅nanospheres and nanorods from 1.3 nm Auâ€‰:â€‰PPh₃nanoparticles: the ligand effects. Nanoscale, 2015, 7, 13663-13670.	2.8	44
93	Bimetallic Au₂Cu₆ Nanoclusters: Strong Luminescence Induced by the Aggregation of Copper(I) Complexes with Gold(0) Species. Angewandte Chemie, 2016, 128, 3675-3678.	1.6	44
94	Crystal Structures of Two New Goldâ€"Copper Bimetallic Nanoclusters: Cu_{<i>x</i>}Au_{25â€"<i>x</i>}(PPh₃)₁₀(PhC₂H₄S)<sub>5< and Cu₃Au₃₄(PPh₃)₁₃(^tBuPhCH₂S)₆S<sub>2< Inorganic Chemistry, 2017, 56, 1771-1774.	1.9	44
95	The Structure and Optical Properties of the [Au₁₈(SR)₁₄] Nanocluster. Angewandte Chemie, 2015, 127, 3188-3192.	1.6	43
96	Aggregationâ€Induced Emission (AIE) in Agâ"Au Bimetallic Nanocluster. Chemistry - A European Journal, 2018, 24, 3712-3715.	1.7	43
97	Combining the Single-Atom Engineering and Ligand-Exchange Strategies: Obtaining the Single-Heteroatom-Doped Au₁₆Ag₁(S-Adm)₁₃ Nanocluster with Atomically Precise Structure. Inorganic Chemistry, 2018, 57, 335-342.	1.9	43
98	Bonding of Two 8â€Electron Superatom Clusters. Angewandte Chemie - International Edition, 2018, 57, 16768-16772.	7.2	43
99	Coreâ€"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.	3.2	43
100	A simple model for understanding the fluorescence behavior of Au25 nanoclusters. Nanoscale, 2014, 6, 5777.	2.8	42
101	Heteroatom Effects on the Optical and Electrochemical Properties of Ag₂₅(SR)₁₈ and Its Dopants. ChemElectroChem, 2016, 3, 1261-1265.	1.7	42
102	A mitochondria-targeted ratiometric two-photon fluorescent probe for biological zinc ions detection. Biosensors and Bioelectronics, 2016, 77, 921-927.	5.3	42
103	Structural Isomerism in Atomically Precise Nanoclusters. Chemistry of Materials, 2021, 33, 39-62.	3.2	42
104	A ratiometric two-photon fluorescent probe for cysteine and homocysteine in living cells. Sensors and Actuators B: Chemical, 2014, 201, 520-525.	4.0	41
105	A TICT based two-photon fluorescent probe for cysteine and homocysteine in living cells. Sensors and Actuators B: Chemical, 2016, 231, 285-292.	4.0	41
106	Fe₃O₄@MnO₂@PPy nanocomposites overcome hypoxia: magnetic-targeting-assisted controlled chemotherapy and enhanced photodynamic/photothermal therapy. Journal of Materials Chemistry B, 2018, 6, 6848-6857.	2.9	41
107	Immobilization of functional nano-objects in living engineered bacterial biofilms for catalytic applications. National Science Review, 2019, 6, 929-943.	4.6	41
108	Nanocluster growth <i>via</i> â€œgraft-ontoâ€ effects on geometric structures and optical properties. Chemical Science, 2020, 11, 1691-1697.	3.7	41

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109	A two-photon fluorescent probe for detecting endogenous hypochlorite in living cells. Dalton Transactions, 2015, 44, 6613-6619.	1.6	40
110	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.	1.9	40
111	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.	3.2	40
112	Enhanced microwave absorption from the magnetic-dielectric interface: A hybrid rGO@Ni-doped-MoS2. Materials Research Bulletin, 2020, 130, 110943.	2.7	40
113	Atomically resolved Au52Cu72(SR)55 nanoalloy reveals Marks decahedron truncation and Penrose tiling surface. Nature Communications, 2020, 11, 478.	5.8	39
114	Gram-Scale Preparation of Stable Hydride M@Cu₂₄ (M = Au/Cu) Nanoclusters. Journal of Physical Chemistry Letters, 2019, 10, 6124-6128.	2.1	38
115	Rhombicuboctahedral Ag₁₀₀: Fourâ€Layered Octahedral Silver Nanocluster Adopting the Russian Nesting Doll Model. Angewandte Chemie - International Edition, 2020, 59, 17234-17238.	7.2	38
116	Hierarchical structural complexity in atomically precise nanocluster frameworks. National Science Review, 2021, 8, nwaa077.	4.6	38
117	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.	4.0	37
118	De-assembly of assembled Pt₁Ag₁₂ units: tailoring the photoluminescence of atomically precise nanoclusters. Chemical Communications, 2017, 53, 12564-12567.	2.2	37
119	Design of atomically precise Au₂Pd₆nanoclusters for boosting electrocatalytic hydrogen evolution on MoS₂. Inorganic Chemistry Frontiers, 2018, 5, 2948-2954.	3.0	37
120	Capture of Cesium Ions with Nanoclusters: Effects on Inter- and Intramolecular Assembly. Chemistry of Materials, 2019, 31, 4945-4952.	3.2	36
121	Porous transition metal phosphides derived from Fe-based Prussian blue analogue for oxygen evolution reaction. Journal of Alloys and Compounds, 2020, 814, 152332.	2.8	36
122	A mitochondria-targeted colorimetric and two-photon fluorescent probe for biological SO 2 derivatives in living cells. Dyes and Pigments, 2016, 134, 297-305.	2.0	35
123	Two Electron Reduction: From Quantum Dots to Metal Nanoclusters. Chemistry of Materials, 2016, 28, 7905-7911.	3.2	35
124	Modulating photo-luminescence of Au₂Cu₆ nanoclusters via ligand-engineering. RSC Advances, 2017, 7, 28606-28609.	1.7	35
125	A novel quinoline-based two-photon fluorescent probe for detecting Cd2+in vitro and in vivo. Dalton Transactions, 2012, 41, 6189.	1.6	34
126	Controlling the selectivity of catalytic oxidation of styrene over nanocluster catalysts. RSC Advances, 2016, 6, 111399-111405.	1.7	34

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127	Au₁₅Ag₃(SPhMe₂)₁₄ Nanoclusters â€" Crystal Structure and Insights into Ligandâ€Induced Variation. European Journal of Inorganic Chemistry, 2017, 2017, 1414-1419.	1.0	34
128	Molecular-like Transformation from PhSe-Protected Au₂₅ to Au₂₃ Nanocluster and Its Application. Chemistry of Materials, 2017, 29, 3055-3061.	3.2	34
129	X-ray Crystal Structure and Optical Properties of Au_{38â€"<i>x</i>}Cu_{<i>x</i>}(2,4-(CH₃)₂C₆H₃S)<sub>24 (<i>x</i> = 0â€"6) Alloy Nanocluster. Journal of Physical Chemistry C, 2017, 121, 21665-21669.	1.3	34
130	Switching the subcellular organelle targeting of atomically precise gold nanoclusters by modifying the capping ligand. Chemical Communications, 2018, 54, 9222-9225.	2.2	34
131	Doping Copper Atoms into the Nanocluster Kernel: Total Structure Determination of [Cu₃₀Ag₆₁(SAdm)₃₈S₃](BPh₄). Journal of Physical Chemistry Letters, 2020, 11, 2272-2276.	2.1	34
132	Optical switching and fluorescence modulation properties of photochromic dithienylethene derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 307-313.	2.0	33
133	Atomically Precise Copper Cluster with Intensely Near-Infrared Luminescence and Its Mechanism. Journal of Physical Chemistry Letters, 2020, 11, 4891-4896.	2.1	33
134	The solely motif-doped Au_{36â^'x}Ag_x(SPh-tBu)₂₄(x = 1â€"8) nanoclusters: X-ray crystal structure and optical properties. Nanoscale, 2016, 8, 15317-15322.	2.8	32
135	Sulfonate, sulfide and thiolate ligands into an ultrasmall nanocluster: [Ag_{40.13}Cu_{13.87}S₁₉(<i>t</i>BuS)₂₀(<i>t</i>BuSO₃)₁₂ Chemical Communications, 2018, 54, 4314-4316.	2.2	32
136	Fluorescence or Phosphorescence? The Metallic Composition of the Nanocluster Kernel Does Matter. Angewandte Chemie - International Edition, 2022, 61, .	7.2	32
137	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.	1.1	31
138	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.	2.2	31
139	An Efficient Heterobimetallic Lanthanide Alkoxide Catalyst for Transamidation of Amides under Solventâ€Free Conditions. Advanced Synthesis and Catalysis, 2017, 359, 302-313.	2.1	30
140	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.	3.8	30
141	Single-ligand exchange on an Auâ€"Cu bimetal nanocluster and mechanism. Nanoscale, 2018, 10, 12093-12099.	2.8	30
142	Cocrystallization of Atomically Precise Nanoclusters. , 2020, 2, 1303-1314.		29
143	Morphology and Composition Regulation of FeCoNi Prussian Blue Analogues to Advance in the Catalytic Performances of the Derivative Ternary Transitionâ€Metal Phosphides for OER. ChemCatChem, 2020, 12, 4339-4345.	1.8	29
144	Effect of Heteroatom and Charge Reconstruction in Atomically Precise Metal Nanoclusters on Electrochemical Synthesis of Ammonia. Advanced Functional Materials, 2022, 32, .	7.8	29

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