Nan-Feng Zheng

List of Publications by Year
in descending order

291 papers	36,072 citations	1992 101 h-index	3407 183 g-index
310 all docs	310 docs citations	310 times ranked	32724 citing authors

#	Article	IF	Citations
1	Catalysis with two-dimensional materials and their heterostructures. Nature Nanotechnology, 2016, 11, 218-230.	31.5	1,833
2	Photochemical route for synthesizing atomically dispersed palladium catalysts. Science, 2016, 352, 797-800.	12.6	1,540
3	Freestanding palladium nanosheets with plasmonic and catalytic properties. Nature Nanotechnology, 2011, 6, 28-32.	31.5	1,423
4	All-thiol-stabilized Ag44 and Au12Ag32 nanoparticles with single-crystal structures. Nature Communications, 2013, 4, 2422.	12.8	675
5	Interfacial Effects in Iron-Nickel Hydroxideâ€“Platinum Nanoparticles Enhance Catalytic Oxidation. Science, 2014, 344, 495-499.	12.6	591
6	Interfacial electronic effects control the reaction selectivity of platinum catalysts. Nature Materials, 2016, 15, 564-569.	27.5	548
7	The Interface Chemistry between Chalcogenide Clusters and Open Framework Chalcogenides. Accounts of Chemical Research, 2005, 38, 293-303.	15.6	541
8	Surface Coordination Chemistry of Metal Nanomaterials. Journal of the American Chemical Society, 2017, 139, 2122-2131.	13.7	522
9	One-Step One-Phase Synthesis of Monodisperse Noble-Metallic Nanoparticles and Their Colloidal Crystals. Journal of the American Chemical Society, 2006, 128, 6550-6551.	13.7	509
10	Amine-Assisted Synthesis of Concave Polyhedral Platinum Nanocrystals Having {411} High-Index Facets. Journal of the American Chemical Society, 2011, 133, 4718-4721.	13.7	489
11	From Hollow Carbon Spheres to Nâ€Doped Hollow Porous Carbon Bowls: Rational Design of Hollow Carbon Host for Liâ€S Batteries. Advanced Energy Materials, 2016, 6, 1502539.	19.5	485
12	A General Synthetic Strategy for Oxide-Supported Metal Nanoparticle Catalysts. Journal of the American Chemical Society, 2006, 128, 14278-14280.	13.7	464
13	Surface Chemistry of Atomically Precise Coinageâ€“Metal Nanoclusters: From Structural Control to Surface Reactivity and Catalysis. Accounts of Chemical Research, 2018, 51, 3084-3093.	15.6	459
14	Surface and interface control of noble metal nanocrystals for catalytic and electrocatalytic applications. Nano Today, 2013, 8, 168-197.	11.9	431
15	Small Adsorbateâ€Assisted Shape Control of Pd and Pt Nanocrystals. Advanced Materials, 2012, 24, 862-879.	21.0	415
16	Microporous and Photoluminescent Chalcogenide Zeolite Analogs. Science, 2002, 298, 2366-2369.	12.6	410
17	Synthetic design of crystalline inorganic chalcogenides exhibiting fast-ion conductivity. Nature, 2003, 426, 428-432.	27.8	399
18	Nonaqueous Production of Nanostructured Anatase with High-Energy Facets. Journal of the American Chemical Society, 2008, 130, 17563-17567.	13.7	389

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19	Coreâ€“Shell Pd@Au Nanoplates as Theranostic Agents for Inâ€Vivo Photoacoustic Imaging, CT Imaging, and Photothermal Therapy. Advanced Materials, 2014, 26, 8210-8216.	21.0	383
20	Efficient, Hysteresisâ€Free, and Stable Perovskite Solar Cells with ZnO as Electronâ€Transport Layer: Effect of Surface Passivation. Advanced Materials, 2018, 30, 1705596.	21.0	363
21	A Two-Dimensional Porous Carbon-Modified Separator for High-Energy-Density Li-S Batteries. Joule, 2018, 2, 323-336.	24.0	344
22	Surface Coordination Chemistry of Atomically Dispersed Metal Catalysts. Chemical Reviews, 2020, 120, 11810-11899.	47.7	325
23	Synthesis of Ultrathin Nitrogen-Doped Graphitic Carbon Nanocages as Advanced Electrode Materials for Supercapacitor. ACS Applied Materials & Interfaces, 2013, 5, 2241-2248.	8.0	320
24	Polypyrrole nanoparticles for high-performance in vivo near-infrared photothermal cancer therapy. Chemical Communications, 2012, 48, 8934.	4.1	319
25	Recent Advances in Hollow Porous Carbon Materials for Lithiumâ€“Sulfur Batteries. Small, 2019, 15, e1804786.	10.0	314
26	Facile Synthesis of Manganeseâ€Oxideâ€Containing Mesoporous Nitrogenâ€Doped Carbon for Efficient Oxygen Reduction. Advanced Functional Materials, 2012, 22, 4584-4591.	14.9	306
27	A cationic surfactant assisted selective etching strategy to hollow mesoporous silica spheres. Nanoscale, 2011, 3, 1632.	5.6	303
28	Self-supporting sulfur cathodes enabled by two-dimensional carbon yolk-shell nanosheets for high-energy-density lithium-sulfur batteries. Nature Communications, 2017, 8, 482.	12.8	300
29	Atomically Precise Alkynyl-Protected Metal Nanoclusters as a Model Catalyst: Observation of Promoting Effect of Surface Ligands on Catalysis by Metal Nanoparticles. Journal of the American Chemical Society, 2016, 138, 3278-3281.	13.7	297
30	Subâ€10â€nm Pd Nanosheets with Renal Clearance for Efficient Nearâ€Infrared Photothermal Cancer Therapy. Small, 2014, 10, 3139-3144.	10.0	286
31	Ultrasound-Switchable Nanozyme Augments Sonodynamic Therapy against Multidrug-Resistant Bacterial Infection. ACS Nano, 2020, 14, 2063-2076.	14.6	281
32	Selective Hydrogenation of Î±,Î²â€Unsaturated Aldehydes Catalyzed by Amineâ€Capped Platinumâ€Cobalt Nanocrystals. Angewandte Chemie - International Edition, 2012, 51, 3440-3443.	13.8	277
33	Strategies for Stabilizing Atomically Dispersed Metal Catalysts. Small Methods, 2018, 2, 1700286.	8.6	276
34	Golden single-atomic-site platinum electrocatalysts. Nature Materials, 2018, 17, 1033-1039.	27.5	266
35	Self-templating synthesis of hollow mesoporous silica and their applications in catalysis and drug delivery. Nanoscale, 2013, 5, 2205.	5.6	262
36	One-Pot, High-Yield Synthesis of 5-Fold Twinned Pd Nanowires and Nanorods. Journal of the American Chemical Society, 2009, 131, 4602-4603.	13.7	259

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37	Simplifying the Creation of Hollow Metallic Nanostructures: Oneâ€Pot Synthesis of Hollow Palladium/Platinum Singleâ€Crystalline Nanocubes. Angewandte Chemie - International Edition, 2009, 48, 4808-4812.	13.8	258
38	Hollow Mesoporous Aluminosilica Spheres with Perpendicular Pore Channels as Catalytic Nanoreactors. ACS Nano, 2012, 6, 4434-4444.	14.6	253
39	Identifying the Molecular Structures of Intermediates for Optimizing the Fabrication of High-Quality Perovskite Films. Journal of the American Chemical Society, 2016, 138, 9919-9926.	13.7	249
40	Open-Framework Chalcogenides as Visible-Light Photocatalysts for Hydrogen Generation from Water. Angewandte Chemie - International Edition, 2005, 44, 5299-5303.	13.8	248
41	Crystal structure of a luminescent thiolated Ag nanocluster with an octahedral Ag₆⁴⁺core. Chemical Communications, 2013, 49, 300-302.	4.1	244
42	Uniform Ordered Two-Dimensional Mesoporous TiO₂ Nanosheets from Hydrothermal-Induced Solvent-Confined Monomicelle Assembly. Journal of the American Chemical Society, 2018, 140, 4135-4143.	13.7	242
43	Enhancing the Photothermal Stability of Plasmonic Metal Nanoplates by a Coreâ€Shell Architecture. Advanced Materials, 2011, 23, 3420-3425.	21.0	240
44	Controlled Formation of Concave Tetrahedral/Trigonal Bipyramidal Palladium Nanocrystals. Journal of the American Chemical Society, 2009, 131, 13916-13917.	13.7	238
45	Tetrahedral Chalcogenide Clusters and Open Frameworks. Chemistry - A European Journal, 2004, 10, 3356-3362.	3.3	235
46	Plasmonic twinned silver nanoparticles with molecular precision. Nature Communications, 2016, 7, 12809.	12.8	235
47	Well-Defined Thiolated Nanographene as Hole-Transporting Material for Efficient and Stable Perovskite Solar Cells. Journal of the American Chemical Society, 2015, 137, 10914-10917.	13.7	229
48	Total Structure and Electronic Structure Analysis of Doped Thiolated Silver [MAg₂₄(SR)₁₈]^{2â€“} (M = Pd, Pt) Clusters. Journal of the American Chemical Society, 2015, 137, 11880-11883.	13.7	221
49	Electrochemical Reduction of Carbon Dioxide to Methanol on Hierarchical Pd/SnO₂ Nanosheets with Abundant Pdâ€“Oâ€“Sn Interfaces. Angewandte Chemie - International Edition, 2018, 57, 9475-9479.	13.8	218
50	A Novel Theranostic Nanoplatform Based on Pd@Ptâ€PEGâ€Ce6 for Enhanced Photodynamic Therapy by Modulating Tumor Hypoxia Microenvironment. Advanced Functional Materials, 2018, 28, 1706310.	14.9	216
51	In Situ Electrochemical Production of Ultrathin Nickel Nanosheets for Hydrogen Evolution Electrocatalysis. CheM, 2017, 3, 122-133.	11.7	214
52	Ultrastable atomic copper nanosheets for selective electrochemical reduction of carbon dioxide. Science Advances, 2017, 3, e1701069.	10.3	211
53	Facet engineering accelerates spillover hydrogenation on highly diluted metal nanocatalysts. Nature Nanotechnology, 2020, 15, 848-853.	31.5	210
54	Nanoscale engineering of catalytic materials for sustainable technologies. Nature Nanotechnology, 2021, 16, 129-139.	31.5	210

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55	Asymmetric Synthesis of Chiral Bimetallic [Ag₂₈Cu₁₂(SR)₂₄]^{4â€“} Nanoclusters via Ion Pairing. Journal of the American Chemical Society, 2016, 138, 12751-12754.	13.7	196
56	An Assembly Route to Inorganic Catalytic Nanoreactors Containing Subâ€10â€nm Gold Nanoparticles with Antiâ€Aggregation Properties. Small, 2009, 5, 361-365.	10.0	192
57	Pd Nanosheetâ€Covered Hollow Mesoporous Silica Nanoparticles as a Platform for the Chemoâ€Photothermal Treatment of Cancer Cells. Small, 2012, 8, 3816-3822.	10.0	191
58	High-Efficiency, Hysteresis-Less, UV-Stable Perovskite Solar Cells with Cascade ZnOâ€“ZnS Electron Transport Layer. Journal of the American Chemical Society, 2019, 141, 541-547.	13.7	189
59	Photoâ€and pHâ€Triggered Release of Anticancer Drugs from Mesoporous Silicaâ€Coated Pd@Ag Nanoparticles. Advanced Functional Materials, 2012, 22, 842-848.	14.9	187
60	Hollow Mesoporous Zirconia Nanocapsules for Drug Delivery. Advanced Functional Materials, 2010, 20, 2442-2447.	14.9	184
61	Thiols as interfacial modifiers to enhance the performance and stability of perovskite solar cells. Nanoscale, 2015, 7, 9443-9447.	5.6	179
62	An Intermetallic Au₂₄Ag₂₀ Superatom Nanocluster Stabilized by Labile Ligands. Journal of the American Chemical Society, 2015, 137, 4324-4327.	13.7	175
63	<scp>l</scp>-DNA Molecular Beacon: A Safe, Stable, and Accurate Intracellular Nano-thermometer for Temperature Sensing in Living Cells. Journal of the American Chemical Society, 2012, 134, 18908-18911.	13.7	173
64	Selfâ€Supported 3D PdCu Alloy Nanosheets as a Bifunctional Catalyst for Electrochemical Reforming of Ethanol. Small, 2017, 13, 1602970.	10.0	168
65	Identifying the electrocatalytic sites of nickel disulfide in alkaline hydrogen evolution reaction. Nano Energy, 2017, 41, 148-153.	16.0	168
66	Ligand-Stabilized Au₁₃Cu_x (x = 2, 4, 8) Bimetallic Nanoclusters: Ligand Engineering to Control the Exposure of Metal Sites. Journal of the American Chemical Society, 2013, 135, 9568-9571.	13.7	162
67	High Sulfur Loading in Hierarchical Porous Carbon Rods Constructed by Vertically Oriented Porous Grapheneâ€Like Nanosheets for Liâ€S Batteries. Advanced Functional Materials, 2016, 26, 8952-8959.	14.9	159
68	Interfacing with silica boosts the catalysis of copper. Nature Communications, 2018, 9, 3367.	12.8	159
69	Self-Assembly of Novel Dye Molecules and [Cd8(SPh)12]4+Cubic Clusters into Three-Dimensional Photoluminescent Superlattice. Journal of the American Chemical Society, 2002, 124, 9688-9689.	13.7	157
70	Stabilizing subnanometer Ag(0) nanoclusters by thiolate and diphosphine ligands and their crystal structures. Nanoscale, 2013, 5, 2674.	5.6	154
71	Surface coordination layer passivates oxidation of copper. Nature, 2020, 586, 390-394.	27.8	154
72	A multiple coating route to hollow carbon spheres with foam-like shells and their applications in supercapacitor and confined catalysis. Journal of Materials Chemistry A, 2014, 2, 6191.	10.3	153

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73	Robust Lithium Metal Anodes Realized by Lithiophilic 3D Porous Current Collectors for Constructing High-Energy Lithiumâ€“Sulfur Batteries. ACS Nano, 2019, 13, 8337-8346.	14.6	152
74	Small molecules control the formation of Pt nanocrystals: a key role of carbon monoxide in the synthesis of Pt nanocubes. Chemical Communications, 2011, 47, 1039-1041.	4.1	150
75	An investigation of the mimetic enzyme activity of two-dimensional Pd-based nanostructures. Nanoscale, 2015, 7, 19018-19026.	5.6	150
76	A General Route to Diverse Mesoporous Metal Oxide Submicrospheres with Highly Crystalline Frameworks. Angewandte Chemie - International Edition, 2008, 47, 8682-8686.	13.8	149
77	Precisely controlled resorcinolâ€“formaldehyde resin coating for fabricating coreâ€“shell, hollow, and yolkâ€“shell carbon nanostructures. Nanoscale, 2013, 5, 6908.	5.6	148
78	Structural Evolution of Atomically Precise Thiolated Bimetallic [Au_{12+n}Cu₃₂(SR)_{30+n}]^{4â€“} (n = 0,) Tj ETQq0 0 0 rgBT /Over	13.7	148
79	Thiol Treatment Creates Selective Palladium Catalysts for Semihydrogenation of Internal Alkynes. CheM, 2018, 4, 1080-1091.	11.7	145
80	Nonaqueous Synthesis and Selective Crystallization of Gallium Sulfide Clusters into Three-Dimensional Photoluminescent Superlattices. Journal of the American Chemical Society, 2003, 125, 1138-1139.	13.7	138
81	Atomically Precise, Thiolated Copperâ€“Hydride Nanoclusters as Single-Site Hydrogenation Catalysts for Ketones in Mild Conditions. ACS Nano, 2019, 13, 5975-5986.	14.6	138
82	Pushing Up the Size Limit of Chalcogenide Supertetrahedral Clusters:Â Two- and Three-Dimensional Photoluminescent Open Frameworks from (Cu5In30S54)13-Clusters. Journal of the American Chemical Society, 2002, 124, 12646-12647.	13.7	137
83	Etching Growth under Surface Confinement: An Effective Strategy To Prepare Mesocrystalline Pd Nanocorolla. Journal of the American Chemical Society, 2011, 133, 15946-15949.	13.7	136
84	Promoting gold nanocatalysts in solvent-free selective aerobic oxidation of alcohols. Chemical Communications, 2007, , 3862.	4.1	126
85	A grapheneâ€“platinum nanoparticlesâ€“ionic liquid composite catalyst for methanol-tolerant oxygen reduction reaction. Energy and Environmental Science, 2012, 5, 6923.	30.8	126
86	Multifunctional Coreâ€“Shell Upconverting Nanoparticles for Imaging and Photodynamic Therapy of Liver Cancer Cells. Chemistry - an Asian Journal, 2012, 7, 830-837.	3.3	126
87	Highly Robust but Surfaceâ€Active: An Nâ€Heterocyclic Carbeneâ€Stabilized Au₂₅ Nanocluster. Angewandte Chemie - International Edition, 2019, 58, 17731-17735.	13.8	125
88	Bulky Surface Ligands Promote Surface Reactivities of [Ag₁₄₁X₁₂(S-Adm)₄₀]³⁺ (X = Cl, Br, I) Nanoclusters: Models for Multiple-Twinned Nanoparticles. Journal of the American Chemical Society, 2017, 139, 13288-13291.	13.7	124
89	Alkali ions secure hydrides for catalytic hydrogenation. Nature Catalysis, 2020, 3, 703-709.	34.4	123
90	Carbon Monoxide-Assisted Synthesis of Single-Crystalline Pd Tetrapod Nanocrystals through Hydride Formation. Journal of the American Chemical Society, 2012, 134, 7073-7080.	13.7	120

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91	Electrochemical Partial Reforming of Ethanol into Ethyl Acetate Using Ultrathin Co₃O₄ Nanosheets as a Highly Selective Anode Catalyst. ACS Central Science, 2016, 2, 538-544.	11.3	120
92	A photoCORM nanocarrier for CO release using NIR light. Chemical Communications, 2015, 51, 2072-2075.	4.1	119
93	Three-Dimensional Superlattices Built from (M4In16S33)10-(M = Mn, Co, Zn, Cd) Supertetrahedral Clusters. Journal of the American Chemical Society, 2001, 123, 11506-11507.	13.7	118
94	Low-Temperature, Highly Selective, Gas-Phase Oxidation of Benzyl Alcohol over Mesoporous K-Cu-TiO₂ with Stable Copper(I) Oxidation State. Journal of the American Chemical Society, 2009, 131, 15568-15569.	13.7	116
95	Pd@Pt-GOx/HA as a Novel Enzymatic Cascade Nanoreactor for High-Efficiency Starving-Enhanced Chemodynamic Cancer Therapy. ACS Applied Materials & Interfaces, 2020, 12, 51249-51262.	8.0	116
96	Etherâ€Soluble Cu₅₃ Nanoclusters as an Effective Precursor of Highâ€Quality CuI Films for Optoelectronic Applications. Angewandte Chemie - International Edition, 2019, 58, 835-839.	13.8	115
97	Hollow-in-hollow carbon spheres with hollow foam-like cores for lithiumâ€“sulfur batteries. Nano Research, 2015, 8, 2663-2675.	10.4	114
98	Embryonic Growth of Face-Center-Cubic Silver Nanoclusters Shaped in Nearly Perfect Half-Cubes and Cubes. Journal of the American Chemical Society, 2017, 139, 31-34.	13.7	113
99	Silica coating improves the efficacy of Pd nanosheets for photothermal therapy of cancer cells using near infrared laser. Chemical Communications, 2011, 47, 3948.	4.1	111
100	From Racemic Metal Nanoparticles to Optically Pure Enantiomers in One Pot. Journal of the American Chemical Society, 2017, 139, 16113-16116.	13.7	111
101	Nanocluster with One Missing Core Atom:â€‰ A Three-Dimensional Hybrid Superlattice Built from Dual-Sized Supertetrahedral Clusters. Journal of the American Chemical Society, 2002, 124, 10268-10269.	13.7	106
102	Insights into the Interfacial Effects in Heterogeneous Metal Nanocatalysts toward Selective Hydrogenation. Journal of the American Chemical Society, 2021, 143, 4483-4499.	13.7	106
103	Crystalline Superlattices from Single-Sized Quantum Dots. Journal of the American Chemical Society, 2005, 127, 11963-11965.	13.7	105
104	Synthesis of magnetic, fluorescent and mesoporous core-shell-structured nanoparticles for imaging, targeting and photodynamic therapy. Journal of Materials Chemistry, 2011, 21, 11244.	6.7	101
105	Sulfonate-Assisted Surface Iodide Management for High-Performance Perovskite Solar Cells and Modules. Journal of the American Chemical Society, 2021, 143, 10624-10632.	13.7	101
106	Shapeâ€Controlled Synthesis of Surfaceâ€Clean Ultrathin Palladium Nanosheets by Simply Mixing a Dinuclear Pd^I Carbonyl Chloride Complex with H₂O. Angewandte Chemie - International Edition, 2013, 52, 8368-8372.	13.8	100
107	Palladium nanosheets as highly stable and effective contrast agents for in vivo photoacoustic molecular imaging. Nanoscale, 2014, 6, 1271-1276.	5.6	97
108	Multifunctional ultrasmall Pd nanosheets for enhanced near-infrared photothermal therapy and chemotherapy of cancer. Nano Research, 2015, 8, 165-174.	10.4	96

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109	Co-crystallization of atomically precise metal nanoparticles driven by magic atomic and electronic shells. Nature Communications, 2018, 9, 3357.	12.8	95
110	One-Dimensional Assembly of Chalcogenide Nanoclusters with Bifunctional Covalent Linkers. Journal of the American Chemical Society, 2005, 127, 14990-14991.	13.7	94
111	Chemoselective Hydrogenation of Nitroaromatics at the Nanoscale Iron(III)â€“OHâ€“Platinum Interface. Angewandte Chemie - International Edition, 2020, 59, 12736-12740.	13.8	94
112	Singleâ€Crystalline Rhodium Nanosheets with Atomic Thickness. Advanced Science, 2015, 2, 1500100.	11.2	93
113	Improved stability of perovskite solar cells in ambient air by controlling the mesoporous layer. Journal of Materials Chemistry A, 2015, 3, 16860-16866.	10.3	92
114	Solvent-mediated assembly of atom-precise goldâ€“silver nanoclusters to semiconducting one-dimensional materials. Nature Communications, 2020, 11, 2229.	12.8	91
115	Controlling Bioprocesses with Inorganic Surfaces:â€‰ Layered Clay Hemostatic Agents. Chemistry of Materials, 2007, 19, 4390-4392.	6.7	90
116	Assembled molecular face-rotating polyhedra to transfer chirality from two to three dimensions. Nature Communications, 2016, 7, 12469.	12.8	90
117	Microporous Cyclic Titaniumâ€Oxo Clusters with Labile Surface Ligands. Angewandte Chemie - International Edition, 2017, 56, 16252-16256.	13.8	90
118	Templated Assembly of Sulfide Nanoclusters into Cubic-C3N4 Type Framework. Journal of the American Chemical Society, 2003, 125, 6024-6025.	13.7	88
119	From Symmetry Breaking to Unraveling the Origin of the Chirality of Ligated Au₁₃Cu₂ Nanoclusters. Angewandte Chemie - International Edition, 2018, 57, 3421-3425.	13.8	88
120	Fiber network composed of interconnected yolk-shell carbon nanospheres for high-performance lithium-sulfur batteries. Nano Energy, 2018, 54, 50-58.	16.0	87
121	High-yield synthesis and crystal structure of a green Au₃₀cluster co-capped by thiolate and sulfide. Chemical Communications, 2014, 50, 14325-14327.	4.1	86
122	A cake making strategy to prepare reduced graphene oxide wrapped plant fiber sponges for high-efficiency solar steam generation. Journal of Materials Chemistry A, 2018, 6, 14571-14576.	10.3	84
123	Superatomic Au13 clusters ligated by different N-heterocyclic carbenes and their ligand-dependent catalysis, photoluminescence, and proton sensitivity. Nano Research, 2020, 13, 1908-1911.	10.4	84
124	Carbon Monoxide-Assisted Synthesis of Ultrathin PtCu₃Alloy Wavy Nanowires and Their Enhanced Electrocatalysis. Small, 2016, 12, 1572-1577.	10.0	82
125	A vicinal effect for promoting catalysis of Pd1/TiO2: supports of atomically dispersed catalysts play more roles than simply serving as ligands. Science Bulletin, 2018, 63, 675-682.	9.0	80
126	C₂H₂ Treatment as a Facile Method to Boost the Catalysis of Pd Nanoparticulate Catalysts. Journal of the American Chemical Society, 2014, 136, 5583-5586.	13.7	79

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127	Metal-Chelate Dye-Controlled Organization of Cd32S14(SPh)404-Nanoclusters into Three-Dimensional Molecular and Covalent Open Architecture. Journal of the American Chemical Society, 2006, 128, 4528-4529.	13.7	78
128	Carbon monoxide-controlled synthesis of surface-clean Pt nanocubes with high electrocatalytic activity. Chemical Communications, 2012, 48, 2758.	4.1	77
129	Vapor-assisted crystallization control toward high performance perovskite photovoltaics with over 18% efficiency in the ambient atmosphere. Journal of Materials Chemistry A, 2016, 4, 13203-13210.	10.3	77
130	Structure and formation of highly luminescent protein-stabilized gold clusters. Chemical Science, 2018, 9, 2782-2790.	7.4	76
131	A Multiâ€Yolkâ€“Shell Structured Nanocatalyst Containing Subâ€10â€…nm Pd Nanoparticles in Porous CeO₂. ChemCatChem, 2012, 4, 1578-1586.	3.7	75
132	Optimization of Surface Coating on Small Pd Nanosheets for in Vivo near-Infrared Photothermal Therapy of Tumor. ACS Applied Materials & Interfaces, 2015, 7, 14369-14375.	8.0	74
133	Pentasupertetrahedral Clusters as Building Blocks for a Three-Dimensional Sulfide Superlattice. Angewandte Chemie - International Edition, 2004, 43, 4753-4755.	13.8	73
134	[Cu₃₂(PET)₂₄H₈Cl₂](PPh₄)₂: A Copper Hydride Nanocluster with a Bisquare Antiprismatic Core. Journal of the American Chemical Society, 2020, 142, 13974-13981.	13.7	73
135	Combinatorial Identification of Hydrides in a Ligated Ag₄₀ Nanocluster with Noncompact Metal Core. Journal of the American Chemical Society, 2019, 141, 11905-11911.	13.7	72
136	Cd₁₂Ag₃₂(SePh)₃₆: Non-Noble Metal Doped Silver Nanoclusters. Journal of the American Chemical Society, 2019, 141, 8422-8425.	13.7	71
137	Surface Coordination of Multiple Ligands Endows Nâ€Heterocyclic Carbeneâ€Stabilized Gold Nanoclusters with High Robustness and Surface Reactivity. Angewandte Chemie - International Edition, 2021, 60, 3752-3758.	13.8	71
138	Interfacial Effects in PdAg Bimetallic Nanosheets for Selective Dehydrogenation of Formic Acid. ChemNanoMat, 2016, 2, 28-32.	2.8	70
139	Titaniumâ€“oxo cluster reinforced gel polymer electrolyte enabling lithiumâ€“sulfur batteries with high gravimetric energy densities. Energy and Environmental Science, 2021, 14, 975-985.	30.8	69
140	Au/Pt and Au/Pt3Ni nanowires as self-supported electrocatalysts with high activity and durability for oxygen reduction. Chemical Communications, 2011, 47, 11624.	4.1	68
141	Zero- and Two-Dimensional Organization of Tetrahedral Cadmium Chalcogenide Clusters with Bifunctional Covalent Linkers. Chemistry of Materials, 2006, 18, 4307-4311.	6.7	67
142	Interfacial activation of catalytically inert Au (6.7 nm)-Fe3O4 dumbbell nanoparticles for CO oxidation. Nano Research, 2009, 2, 975-983.	10.4	66
143	Electrostatic Self-Assembling Formation of Pd Superlattice Nanowires from Surfactant-Free Ultrathin Pd Nanosheets. Journal of the American Chemical Society, 2014, 136, 12856-12859.	13.7	66
144	A 3D Openâ€“Framework Indium Telluride and Its Selenide and Sulfide Analogues We thank UC Riverside, UC Energy Institute, and the donors of The Petroleum Research Fund (administered by the ACS) for funding.. Angewandte Chemie - International Edition, 2002, 41, 1959.	13.8	65

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145	Three-Dimensional Frameworks of Gallium Selenide Supertetrahedral Clusters. Angewandte Chemie - International Edition, 2004, 43, 1502-1505.	13.8	65
146	Safety profile of two-dimensional Pd nanosheets for photothermal therapy and photoacoustic imaging. Nano Research, 2017, 10, 1234-1248.	10.4	65
147	Stable Nanoâ€Encapsulation of Lithium Through Seedâ€Free Selective Deposition for Highâ€Performance Li Battery Anodes. Advanced Energy Materials, 2020, 10, 1902956.	19.5	65
148	Thiol-stabilized atomically precise, superatomic silver nanoparticles for catalysing cycloisomerization of alkynyl amines. National Science Review, 2018, 5, 694-702.	9.5	63
149	Hierarchical porous carbon microrods composed of vertically aligned graphene-like nanosheets for Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 19800-19806.	10.3	62
150	Moisture-tolerant and high-quality Î±-CsPbI₃ films for efficient and stable perovskite solar modules. Journal of Materials Chemistry A, 2020, 8, 9597-9606.	10.3	62
151	One-dimensional coordination polymers containing penta-supertetrahedral sulfide clusters linked by dipyridyl ligands. Chemical Communications, 2005, , 4916.	4.1	61
152	Platinum(<scp>iv</scp>) prodrug conjugated Pd@Au nanoplates for chemotherapy and photothermal therapy. Nanoscale, 2016, 8, 5706-5713.	5.6	61
153	Site Preference in Multimetallic Nanoclusters: Incorporation of Alkali Metal Ions or Copper Atoms into the Alkynylâ€Protected Bodyâ€Centered Cubic Cluster [Au₇Ag₈(Câ‰¡C^tBu)₁₂]⁺. Angewandte Chemie - International Edition, 2016, 55, 15152-15156.	13.8	60
154	Coordination chemistry of atomically dispersed catalysts. National Science Review, 2018, 5, 636-638.	9.5	60
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