

Nan-Feng Zheng

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278
papers

28,076
citations

91
h-index

163
g-index

310
ext. papers

32,100
ext. citations

12.5
avg, IF

7.52
L-index

#	Paper	IF	Citations
278	Catalysis with two-dimensional materials and their heterostructures. <i>Nature Nanotechnology</i> , 2016 , 11, 218-30	28.7	1433
277	Freestanding palladium nanosheets with plasmonic and catalytic properties. <i>Nature Nanotechnology</i> , 2011 , 6, 28-32	28.7	1219
276	Photochemical route for synthesizing atomically dispersed palladium catalysts. <i>Science</i> , 2016 , 352, 797-801	33.3	1141
275	All-thiol-stabilized Ag ₄₄ and Au ₁₂ Ag ₃₂ nanoparticles with single-crystal structures. <i>Nature Communications</i> , 2013 , 4, 2422	17.4	584
274	The interface chemistry between chalcogenide clusters and open framework chalcogenides. <i>Accounts of Chemical Research</i> , 2005 , 38, 293-303	24.3	503
273	Interfacial effects in iron-nickel hydroxide-platinum nanoparticles enhance catalytic oxidation. <i>Science</i> , 2014 , 344, 495-9	33.3	479
272	One-step one-phase synthesis of monodisperse noble-metallic nanoparticles and their colloidal crystals. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6550-1	16.4	478
271	Amine-assisted synthesis of concave polyhedral platinum nanocrystals having {411} high-index facets. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4718-21	16.4	453
270	A general synthetic strategy for oxide-supported metal nanoparticle catalysts. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14278-80	16.4	434
269	Interfacial electronic effects control the reaction selectivity of platinum catalysts. <i>Nature Materials</i> , 2016 , 15, 564-9	27	413
268	From Hollow Carbon Spheres to N-Doped Hollow Porous Carbon Bowls: Rational Design of Hollow Carbon Host for Li-S Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1502539	21.8	411
267	Surface Coordination Chemistry of Metal Nanomaterials. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2122-2131	16.4	381
266	Microporous and photoluminescent chalcogenide zeolite analogs. <i>Science</i> , 2002 , 298, 2366-9	33.3	380
265	Surface and interface control of noble metal nanocrystals for catalytic and electrocatalytic applications. <i>Nano Today</i> , 2013 , 8, 168-197	17.9	376
264	Small adsorbate-assisted shape control of Pd and Pt nanocrystals. <i>Advanced Materials</i> , 2012 , 24, 862-79	24	369
263	Nonaqueous production of nanostructured anatase with high-energy facets. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17563-7	16.4	368
262	Synthetic design of crystalline inorganic chalcogenides exhibiting fast-ion conductivity. <i>Nature</i> , 2003 , 426, 428-32	50.4	362

261	Core-shell Pd@Au nanoplates as theranostic agents for in-vivo photoacoustic imaging, CT imaging, and photothermal therapy. <i>Advanced Materials</i> , 2014 , 26, 8210-6	24	330
260	Synthesis of ultrathin nitrogen-doped graphitic carbon nanocages as advanced electrode materials for supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2241-8	9.5	282
259	Facile Synthesis of Manganese-Oxide-Containing Mesoporous Nitrogen-Doped Carbon for Efficient Oxygen Reduction. <i>Advanced Functional Materials</i> , 2012 , 22, 4584-4591	15.6	278
258	Surface Chemistry of Atomically Precise Coinage-Metal Nanoclusters: From Structural Control to Surface Reactivity and Catalysis. <i>Accounts of Chemical Research</i> , 2018 , 51, 3084-3093	24.3	278
257	Efficient, Hysteresis-Free, and Stable Perovskite Solar Cells with ZnO as Electron-Transport Layer: Effect of Surface Passivation. <i>Advanced Materials</i> , 2018 , 30, 1705596	24	276
256	Polypyrrole nanoparticles for high-performance in vivo near-infrared photothermal cancer therapy. <i>Chemical Communications</i> , 2012 , 48, 8934-6	5.8	275
255	A cationic surfactant assisted selective etching strategy to hollow mesoporous silica spheres. <i>Nanoscale</i> , 2011 , 3, 1632-9	7.7	262
254	Self-supporting sulfur cathodes enabled by two-dimensional carbon yolk-shell nanosheets for high-energy-density lithium-sulfur batteries. <i>Nature Communications</i> , 2017 , 8, 482	17.4	247
253	Atomically Precise Alkynyl-Protected Metal Nanoclusters as a Model Catalyst: Observation of Promoting Effect of Surface Ligands on Catalysis by Metal Nanoparticles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3278-81	16.4	246
252	Simplifying the creation of hollow metallic nanostructures: one-pot synthesis of hollow palladium/platinum single-crystalline nanocubes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4808-12	16.4	244
251	One-pot, high-yield synthesis of 5-fold twinned Pd nanowires and nanorods. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4602-3	16.4	243
250	Sub-10-nm Pd nanosheets with renal clearance for efficient near-infrared photothermal cancer therapy. <i>Small</i> , 2014 , 10, 3139-44	11	240
249	Hollow mesoporous aluminosilica spheres with perpendicular pore channels as catalytic nanoreactors. <i>ACS Nano</i> , 2012 , 6, 4434-44	16.7	236
248	A Two-Dimensional Porous Carbon-Modified Separator for High-Energy-Density Li-S Batteries. <i>Joule</i> , 2018 , 2, 323-336	27.8	233
247	Selective hydrogenation of α -unsaturated aldehydes catalyzed by amine-capped platinum-cobalt nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3440-3	16.4	230
246	Self-templating synthesis of hollow mesoporous silica and their applications in catalysis and drug delivery. <i>Nanoscale</i> , 2013 , 5, 2205-18	7.7	229
245	Open-framework chalcogenides as visible-light photocatalysts for hydrogen generation from water. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5299-303	16.4	225
244	Tetrahedral chalcogenide clusters and open frameworks. <i>Chemistry - A European Journal</i> , 2004 , 10, 3356-68	16.8	223

243	Controlled formation of concave tetrahedral/trigonal bipyramidal palladium nanocrystals. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13916-7	16.4	222
242	Enhancing the photothermal stability of plasmonic metal nanoplates by a core-shell architecture. <i>Advanced Materials</i> , 2011 , 23, 3420-5	24	215
241	Crystal structure of a luminescent thiolated Ag nanocluster with an octahedral Ag ₆ (4+) core. <i>Chemical Communications</i> , 2013 , 49, 300-2	5.8	207
240	Identifying the Molecular Structures of Intermediates for Optimizing the Fabrication of High-Quality Perovskite Films. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9919-26	16.4	203
239	Well-Defined Thiolated Nanographene as Hole-Transporting Material for Efficient and Stable Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10914-7	16.4	198
238	Plasmonic twinned silver nanoparticles with molecular precision. <i>Nature Communications</i> , 2016 , 7, 12809	17.4	191
237	Total Structure and Electronic Structure Analysis of Doped Thiolated Silver [MAg ₂₄ (SR) ₁₈](2-) (M = Pd, Pt) Clusters. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11880-3	16.4	186
236	An assembly route to inorganic catalytic nanoreactors containing sub-10-nm gold nanoparticles with anti-aggregation properties. <i>Small</i> , 2009 , 5, 361-5	11	185
235	Pd nanosheet-covered hollow mesoporous silica nanoparticles as a platform for the chemo-photothermal treatment of cancer cells. <i>Small</i> , 2012 , 8, 3816-22	11	181
234	Golden single-atomic-site platinum electrocatalysts. <i>Nature Materials</i> , 2018 , 17, 1033-1039	27	177
233	Strategies for Stabilizing Atomically Dispersed Metal Catalysts. <i>Small Methods</i> , 2018 , 2, 1700286	12.8	174
232	Recent Advances in Hollow Porous Carbon Materials for Lithium-Sulfur Batteries. <i>Small</i> , 2019 , 15, e1804786	18.6	172
231	Uniform Ordered Two-Dimensional Mesoporous TiO Nanosheets from Hydrothermal-Induced Solvent-Confined Monomicelle Assembly. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4135-4143	16.4	170
230	Photo- and pH-Triggered Release of Anticancer Drugs from Mesoporous Silica-Coated Pd@Ag Nanoparticles. <i>Advanced Functional Materials</i> , 2012 , 22, 842-848	15.6	170
229	A Novel Theranostic Nanoplatfom Based on Pd@Pt-PEG-Ce6 for Enhanced Photodynamic Therapy by Modulating Tumor Hypoxia Microenvironment. <i>Advanced Functional Materials</i> , 2018 , 28, 1706310	15.6	163
228	Hollow Mesoporous Zirconia Nanocapsules for Drug Delivery. <i>Advanced Functional Materials</i> , 2010 , 20, 2442-2447	15.6	160
227	Thiols as interfacial modifiers to enhance the performance and stability of perovskite solar cells. <i>Nanoscale</i> , 2015 , 7, 9443-7	7.7	159
226	Asymmetric Synthesis of Chiral Bimetallic [AgCu(SR)] Nanoclusters via Ion Pairing. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12751-12754	16.4	154

225	Ultrastable atomic copper nanosheets for selective electrochemical reduction of carbon dioxide. <i>Science Advances</i> , 2017 , 3, e1701069	14.3	153
224	Electrochemical Reduction of Carbon Dioxide to Methanol on Hierarchical Pd/SnO Nanosheets with Abundant Pd-O-Sn Interfaces. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9475-9479	16.4	151
223	In Situ Electrochemical Production of Ultrathin Nickel Nanosheets for Hydrogen Evolution Electrocatalysis. <i>CheM</i> , 2017 , 3, 122-133	16.2	150
222	Self-assembly of novel dye molecules and [Cd8(SPh)12]4+ cubic clusters into three-dimensional photoluminescent superlattice. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9688-9	16.4	149
221	An intermetallic Au24Ag20 superatom nanocluster stabilized by labile ligands. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4324-7	16.4	148
220	L-DNA molecular beacon: a safe, stable, and accurate intracellular nano-thermometer for temperature sensing in living cells. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18908-11	16.4	145
219	A general route to diverse mesoporous metal oxide submicrospheres with highly crystalline frameworks. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8682-6	16.4	143
218	A multiple coating route to hollow carbon spheres with foam-like shells and their applications in supercapacitor and confined catalysis. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6191	13	138
217	Ligand-stabilized Au13Cu(x) (x = 2, 4, 8) bimetallic nanoclusters: ligand engineering to control the exposure of metal sites. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9568-71	16.4	136
216	Stabilizing subnanometer Ag(0) nanoclusters by thiolate and diphosphine ligands and their crystal structures. <i>Nanoscale</i> , 2013 , 5, 2674-7	7.7	135
215	Small molecules control the formation of Pt nanocrystals: a key role of carbon monoxide in the synthesis of Pt nanocubes. <i>Chemical Communications</i> , 2011 , 47, 1039-41	5.8	135
214	High Sulfur Loading in Hierarchical Porous Carbon Rods Constructed by Vertically Oriented Porous Graphene-Like Nanosheets for Li-S Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 8952-8959	15.6	134
213	Surface Coordination Chemistry of Atomically Dispersed Metal Catalysts. <i>Chemical Reviews</i> , 2020 , 120, 11810-11899	68.1	134
212	Identifying the electrocatalytic sites of nickel disulfide in alkaline hydrogen evolution reaction. <i>Nano Energy</i> , 2017 , 41, 148-153	17.1	133
211	Self-Supported 3D PdCu Alloy Nanosheets as a Bifunctional Catalyst for Electrochemical Reforming of Ethanol. <i>Small</i> , 2017 , 13, 1602970	11	128
210	Structural evolution of atomically precise thiolated bimetallic [Au(12+n)Cu(SR)(30+n)] ₂ (n = 0, 2, 4, 6) nanoclusters. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7197-200	16.4	128
209	Etching growth under surface confinement: an effective strategy to prepare mesocrystalline Pd nanocorolla. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15946-9	16.4	127
208	Ultrasound-Switchable Nanozyme Augments Sonodynamic Therapy against Multidrug-Resistant Bacterial Infection. <i>ACS Nano</i> , 2020 , 14, 2063-2076	16.7	124

207	Nonaqueous synthesis and selective crystallization of gallium sulfide clusters into three-dimensional photoluminescent superlattices. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1138-9	16.4	124
206	High-Efficiency, Hysteresis-Less, UV-Stable Perovskite Solar Cells with Cascade ZnO-ZnS Electron Transport Layer. <i>Journal of the American Chemical Society</i> , 2019 , 141, 541-547	16.4	124
205	Precisely controlled resorcinol-formaldehyde resin coating for fabricating core-shell, hollow, and yolk-shell carbon nanostructures. <i>Nanoscale</i> , 2013 , 5, 6908-16	7.7	123
204	Pushing up the size limit of chalcogenide supertetrahedral clusters: two- and three-dimensional photoluminescent open frameworks from (Cu ₅ In ₃₀ S ₅₄)(13-) clusters. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12646-7	16.4	122
203	Multifunctional core-shell upconverting nanoparticles for imaging and photodynamic therapy of liver cancer cells. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 830-7	4.5	121
202	Promoting gold nanocatalysts in solvent-free selective aerobic oxidation of alcohols. <i>Chemical Communications</i> , 2007 , 3862-4	5.8	121
201	A graphene-platinum nanoparticles-ionic liquid composite catalyst for methanol-tolerant oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2012 , 5, 6923	35.4	112
200	An investigation of the mimetic enzyme activity of two-dimensional Pd-based nanostructures. <i>Nanoscale</i> , 2015 , 7, 19018-26	7.7	109
199	Carbon monoxide-assisted synthesis of single-crystalline Pd tetrapod nanocrystals through hydride formation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7073-80	16.4	108
198	A photoCORM nanocarrier for CO release using NIR light. <i>Chemical Communications</i> , 2015 , 51, 2072-5	5.8	106
197	Hollow-in-hollow carbon spheres with hollow foam-like cores for lithium-sulfur batteries. <i>Nano Research</i> , 2015 , 8, 2663-2675	10	104
196	Low-temperature, highly selective, gas-phase oxidation of benzyl alcohol over mesoporous K-Cu-TiO ₂ with stable copper(I) oxidation state. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15568-9	16.4	103
195	Silica coating improves the efficacy of Pd nanosheets for photothermal therapy of cancer cells using near infrared laser. <i>Chemical Communications</i> , 2011 , 47, 3948-50	5.8	101
194	Interfacing with silica boosts the catalysis of copper. <i>Nature Communications</i> , 2018 , 9, 3367	17.4	99
193	Synthesis of magnetic, fluorescent and mesoporous core-shell-structured nanoparticles for imaging, targeting and photodynamic therapy. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11244		98
192	Bulky Surface Ligands Promote Surface Reactivities of [AgX(S-Adm)] (X = Cl, Br, I) Nanoclusters: Models for Multiple-Twinned Nanoparticles. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13288-13291	16.4	97
191	Three-dimensional superlattices built from (M ₄ In ₁₆ S ₃₃)(10-)(M = Mn, Co, Zn, Cd) supertetrahedral clusters. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11506-7	16.4	96
190	Robust Lithium Metal Anodes Realized by Lithiophilic 3D Porous Current Collectors for Constructing High-Energy Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2019 , 13, 8337-8346	16.7	94

189	Nanocluster with one missing core atom: a three-dimensional hybrid superlattice built from dual-sized supertetrahedral clusters. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10268-9	16.4	94
188	Crystalline superlattices from single-sized quantum dots. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11963-5	16.4	92
187	Facet engineering accelerates spillover hydrogenation on highly diluted metal nanocatalysts. <i>Nature Nanotechnology</i> , 2020 , 15, 848-853	28.7	90
186	Shape-controlled synthesis of surface-clean ultrathin palladium nanosheets by simply mixing a dinuclear Pd(I) carbonyl chloride complex with H ₂ O. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8368-72	16.4	89
185	Multifunctional ultrasmall Pd nanosheets for enhanced near-infrared photothermal therapy and chemotherapy of cancer. <i>Nano Research</i> , 2015 , 8, 165-174	10	88
184	Thiol Treatment Creates Selective Palladium Catalysts for Semihydrogenation of Internal Alkynes. <i>CheM</i> , 2018 , 4, 1080-1091	16.2	88
183	One-dimensional assembly of chalcogenide nanoclusters with bifunctional covalent linkers. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14990-1	16.4	85
182	Palladium nanosheets as highly stable and effective contrast agents for in vivo photoacoustic molecular imaging. <i>Nanoscale</i> , 2014 , 6, 1271-6	7.7	83
181	From Racemic Metal Nanoparticles to Optically Pure Enantiomers in One Pot. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16113-16116	16.4	82
180	High-yield synthesis and crystal structure of a green Au ₂₅ cluster co-capped by thiolate and sulfide. <i>Chemical Communications</i> , 2014 , 50, 14325-7	5.8	81
179	Templated assembly of sulfide nanoclusters into cubic-C ₃ N ₄ type framework. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6024-5	16.4	80
178	Electrochemical Partial Reforming of Ethanol into Ethyl Acetate Using Ultrathin Co ₃ O ₄ Nanosheets as a Highly Selective Anode Catalyst. <i>ACS Central Science</i> , 2016 , 2, 538-44	16.8	80
177	Embryonic Growth of Face-Center-Cubic Silver Nanoclusters Shaped in Nearly Perfect Half-Cubes and Cubes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 31-34	16.4	78
176	Atomically Precise, Thiolated Copper-Hydride Nanoclusters as Single-Site Hydrogenation Catalysts for Ketones in Mild Conditions. <i>ACS Nano</i> , 2019 , 13, 5975-5986	16.7	75
175	Improved stability of perovskite solar cells in ambient air by controlling the mesoporous layer. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16860-16866	13	75
174	Highly Robust but Surface-Active: An N-Heterocyclic Carbene-Stabilized Au Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17731-17735	16.4	75
173	Single-Crystalline Rhodium Nanosheets with Atomic Thickness. <i>Advanced Science</i> , 2015 , 2, 1500100	13.6	75
172	Carbon monoxide-controlled synthesis of surface-clean Pt nanocubes with high electrocatalytic activity. <i>Chemical Communications</i> , 2012 , 48, 2758-60	5.8	73

171	Metal-chelate dye-controlled organization of Cd ₃ S ₁₄ (SPh) ₄₀ (4-) nanoclusters into three-dimensional molecular and covalent open architecture. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4528-9	16.4	73
170	Ether-Soluble Cu Nanoclusters as an Effective Precursor of High-Quality CuI Films for Optoelectronic Applications. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 835-839	16.4	72
169	Carbon Monoxide-Assisted Synthesis of Ultrathin PtCu ₃ Alloy Wavy Nanowires and Their Enhanced Electrocatalysis. <i>Small</i> , 2016 , 12, 1572-7	11	70
168	Controlling Bioprocesses with Inorganic Surfaces: Layered Clay Hemostatic Agents. <i>Chemistry of Materials</i> , 2007 , 19, 4390-4392	9.6	70
167	Fiber network composed of interconnected yolk-shell carbon nanospheres for high-performance lithium-sulfur batteries. <i>Nano Energy</i> , 2018 , 54, 50-58	17.1	70
166	Co-crystallization of atomically precise metal nanoparticles driven by magic atomic and electronic shells. <i>Nature Communications</i> , 2018 , 9, 3357	17.4	69
165	From Symmetry Breaking to Unraveling the Origin of the Chirality of Ligated Au Cu Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3421-3425	16.4	66
164	A Multi-YolkShell Structured Nanocatalyst Containing Sub-10 nm Pd Nanoparticles in Porous CeO ₂ . <i>ChemCatChem</i> , 2012 , 4, 1578-1586	5.2	66
163	Optimization of Surface Coating on Small Pd Nanosheets for in Vivo near-Infrared Photothermal Therapy of Tumor. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14369-75	9.5	65
162	C ₂ H ₂ treatment as a facile method to boost the catalysis of Pd nanoparticulate catalysts. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5583-6	16.4	65
161	Interfacial activation of catalytically inert Au (6.7 nm)-Fe ₃ O ₄ dumbbell nanoparticles for CO oxidation. <i>Nano Research</i> , 2009 , 2, 975-983	10	65
160	Pentapertetrahedral clusters as building blocks for a three-dimensional sulfide superlattice. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4753-5	16.4	65
159	Au/Pt and Au/Pt ₃ Ni nanowires as self-supported electrocatalysts with high activity and durability for oxygen reduction. <i>Chemical Communications</i> , 2011 , 47, 11624-6	5.8	63
158	Zero- and Two-Dimensional Organization of Tetrahedral Cadmium Chalcogenide Clusters with Bifunctional Covalent Linkers. <i>Chemistry of Materials</i> , 2006 , 18, 4307-4311	9.6	63
157	Electrostatic self-assembling formation of Pd superlattice nanowires from surfactant-free ultrathin Pd nanosheets. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12856-9	16.4	62
156	Simplifying the Creation of Hollow Metallic Nanostructures: One-Pot Synthesis of Hollow Palladium/Platinum Single-Crystalline Nanocubes. <i>Angewandte Chemie</i> , 2009 , 121, 4902-4906	3.6	62
155	Nanoscale engineering of catalytic materials for sustainable technologies. <i>Nature Nanotechnology</i> , 2021 , 16, 129-139	28.7	62
154	Assembled molecular face-rotating polyhedra to transfer chirality from two to three dimensions. <i>Nature Communications</i> , 2016 , 7, 12469	17.4	60

153	A 3D OpenFramework Indium Telluride and Its Selenide and Sulfide Analogues. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1959	16.4	60
152	Microporous Cyclic Titanium-Oxo Clusters with Labile Surface Ligands. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16252-16256	16.4	59
151	Vapor-assisted crystallization control toward high performance perovskite photovoltaics with over 18% efficiency in the ambient atmosphere. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13203-13210	13	59
150	Selective Hydrogenation of α -Unsaturated Aldehydes Catalyzed by Amine-Capped Platinum-Cobalt Nanocrystals. <i>Angewandte Chemie</i> , 2012 , 124, 3496-3499	3.6	58
149	Structure and formation of highly luminescent protein-stabilized gold clusters. <i>Chemical Science</i> , 2018 , 9, 2782-2790	9.4	57
148	Interfacial Effects in PdAg Bimetallic Nanosheets for Selective Dehydrogenation of Formic Acid. <i>ChemNanoMat</i> , 2016 , 2, 28-32	3.5	57
147	A cake making strategy to prepare reduced graphene oxide wrapped plant fiber sponges for high-efficiency solar steam generation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14571-14576	13	57
146	One-dimensional coordination polymers containing penta-supertetrahedral sulfide clusters linked by dipyrindyl ligands. <i>Chemical Communications</i> , 2005 , 4916-8	5.8	57
145	Three-dimensional frameworks of gallium selenide supertetrahedral clusters. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1502-5	16.4	57
144	Open-Framework Chalcogenides as Visible-Light Photocatalysts for Hydrogen Generation from Water. <i>Angewandte Chemie</i> , 2005 , 117, 5433-5437	3.6	57
143	Alkali ions secure hydrides for catalytic hydrogenation. <i>Nature Catalysis</i> , 2020 , 3, 703-709	36.5	56
142	A vicinal effect for promoting catalysis of Pd1/TiO2: supports of atomically dispersed catalysts play more roles than simply serving as ligands. <i>Science Bulletin</i> , 2018 , 63, 675-682	10.6	54
141	Ice-Templating of Core/Shell Microgel Fibers through Bricks-and-Mortar Assembly**. <i>Advanced Materials</i> , 2007 , 19, 4539-4543	24	54
140	Surface coordination layer passivates oxidation of copper. <i>Nature</i> , 2020 , 586, 390-394	50.4	54
139	Superparamagnetic core-shell polymer particles for efficient purification of his-tagged proteins. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8624		52
138	Hierarchical porous carbon microrods composed of vertically aligned graphene-like nanosheets for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19800-19806	13	51
137	Preparation and photodynamic therapy application of NaYF4:Yb, Tm/NaYF4:Yb, Er multifunctional upconverting nanoparticles. <i>New Journal of Chemistry</i> , 2013 , 37, 1782	3.6	51
136	CadmiumPorphyrin Coordination Networks: Rich Coordination Modes and Three-Dimensional Four-Connected CdSO4and (3,5)-Connected hms Nets. <i>Crystal Growth and Design</i> , 2007 , 7, 2576-2581	3.5	51

135	Safety profile of two-dimensional Pd nanosheets for photothermal therapy and photoacoustic imaging. <i>Nano Research</i> , 2017 , 10, 1234-1248	10	50
134	Two-dimensional organization of [ZnGe ₃ S ₉ (H ₂ O)] ₄ - supertetrahedral clusters templated by a metal complex. <i>Chemical Communications</i> , 2005 , 2805-7	5.8	49
133	CdAg(SePh): Non-Noble Metal Doped Silver Nanoclusters. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8422-8425	16.4	47
132	Solvent-mediated assembly of atom-precise gold-silver nanoclusters to semiconducting one-dimensional materials. <i>Nature Communications</i> , 2020 , 11, 2229	17.4	47
131	Site Preference in Multimetallic Nanoclusters: Incorporation of Alkali Metal Ions or Copper Atoms into the Alkynyl-Protected Body-Centered Cubic Cluster [Au Ag (C≡C Bu)]. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15152-15156	16.4	47
130	Platinum(IV) prodrug conjugated Pd@Au nanoplates for chemotherapy and photothermal therapy. <i>Nanoscale</i> , 2016 , 8, 5706-13	7.7	47
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