

Nan-Feng Zheng

List of Publications by Year in Descending Order

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

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	N-heterocyclic carbene coordinated metal nanoparticles and nanoclusters. <i>Coordination Chemistry Reviews</i> , 2022 , 458, 214425	23.2	7
277	Regulating the Deposition of Insoluble Sulfur Species for Room Temperature Sodium-Sulfur Batteries. <i>Chemical Research in Chinese Universities</i> , 2022 , 38, 128	2.2	1
276	Robust Room-Temperature Sodium-Sulfur Batteries Enabled by a Sandwich-Structured MXene@C/Polyolefin/MXene@C Dual-functional Separator.. <i>Small</i> , 2022 , e2106983	11	3
275	Intermediate Chemistry of Halide Perovskites: Origin, Evolution, and Application.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 1765-1776	6.4	2
274	Non-contact biomimetic mechanism for selective hydrogenation of nitroaromatics on heterogeneous metal nanocatalysts. <i>Science China Chemistry</i> , 2022 , 65, 726-732	7.9	2
273	Atomic overlayer of permeable microporous cuprous oxide on palladium promotes hydrogenation catalysis.. <i>Nature Communications</i> , 2022 , 13, 2597	17.4	4
272	Atomically dispersed palladium catalyzes H/D exchange and isomerization of alkenes via reversible insertion and elimination. <i>Chem Catalysis</i> , 2021 , 1, 1480-1480		3
271	A Novel Cascade Nanoreactor Integrating Two-Dimensional Pd-Ru Nanozyme, Uricase and Red Blood Cell Membrane for Highly Efficient Hyperuricemia Treatment. <i>Small</i> , 2021 , 17, e2103645	11	5
270	Copper-hydride nanoclusters with enhanced stability by N-heterocyclic carbenes. <i>Nano Research</i> , 2021 , 14, 3303-3308	10	6
269	Ag (EBT) (TPP) Nanoclusters With Tailored Molecular and Electronic Structure. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9038-9044	16.4	10
268	Insights into the Interfacial Effects in Heterogeneous Metal Nanocatalysts toward Selective Hydrogenation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4483-4499	16.4	31
267	Enhanced Surface Ligands Reactivity of Metal Clusters by Bulky Ligands for Controlling Optical and Chiral Properties. <i>Angewandte Chemie</i> , 2021 , 133, 13007-13013	3.6	0
266	Perovskite Quantum Dots as Multifunctional Interlayers in Perovskite Solar Cells with Dopant-Free Organic Hole Transporting Layers. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5855-5866	16.4	22
265	Enhanced Surface Ligands Reactivity of Metal Clusters by Bulky Ligands for Controlling Optical and Chiral Properties. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12897-12903	16.4	9
264	Chemical Insights into Interfacial Effects in Inorganic Nanomaterials. <i>Advanced Materials</i> , 2021 , e20061524	15.4	7
263	Assembly of Chiral Cluster-Based Metal-Organic Frameworks and the Chirality Memory Effect during their Disassembly. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10214-10220	16.4	11
262	Sulfonate-Assisted Surface Iodide Management for High-Performance Perovskite Solar Cells and Modules. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10624-10632	16.4	31

261	Simple and Selective Synthesis of Copper-Containing Metal Nanoclusters Using (PPh) ₃ CuBH as Reducing Agent.. <i>Small Methods</i> , 2021 , 5, e2000603	12.8	11
260	Nanoscale engineering of catalytic materials for sustainable technologies. <i>Nature Nanotechnology</i> , 2021 , 16, 129-139	28.7	62
259	Crown Ether-Assisted Growth and Scaling Up of FACsPbI ₃ Films for Efficient and Stable Perovskite Solar Modules. <i>Advanced Functional Materials</i> , 2021 , 31, 2008760	15.6	19
258	Hyperstable Perovskite Solar Cells Without Ion Migration and Metal Diffusion Based on ZnS Segregated Cubic ZnTiO ₃ Electron Transport Layers. <i>Solar Rrl</i> , 2021 , 5, 2000654	7.1	3
257	Titanium μ oxo cluster reinforced gel polymer electrolyte enabling lithium μ sulfur batteries with high gravimetric energy densities. <i>Energy and Environmental Science</i> , 2021 , 14, 975-985	35.4	17
256	Surface Coordination of Multiple Ligands Endows N-Heterocyclic Carbene-Stabilized Gold Nanoclusters with High Robustness and Surface Reactivity. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3752-3758	16.4	31
255	Surface Coordination of Multiple Ligands Endows N-Heterocyclic Carbene-Stabilized Gold Nanoclusters with High Robustness and Surface Reactivity. <i>Angewandte Chemie</i> , 2021 , 133, 3796-3802	3.6	5
254	Atomically Precise Alkynyl- and Halide-Protected AuAg Nanoclusters AuAg(C \equiv CPh)Cl and AuAg(C \equiv CPh)Br: The Ligation Effects of Halides. <i>Inorganic Chemistry</i> , 2021 , 60, 3529-3533	5.1	4
253	Lithiophilic and Antioxidative Copper Current Collectors for Highly Stable Lithium Metal Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2009805	15.6	15
252	Ag ₄₄ (EBT) ₂₆ (TPP) ₄ Nanoclusters With Tailored Molecular and Electronic Structure. <i>Angewandte Chemie</i> , 2021 , 133, 9120-9126	3.6	2
251	[PtCu(PET)Cl]: An Atomically Precise, 10-Electron PtCu Bimetal Nanocluster with a Direct Pt-Pt Bond. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12100-12107	16.4	5
250	Hexagonal Nickel as a Highly Durable and Active Catalyst for Hydrogen Evolution. <i>ACS Catalysis</i> , 2021 , 11, 8798-8806	13.1	2
249	Carbon Deposition on Heterogeneous Pt Catalysts Promotes the Selective Hydrogenation of Halogenated Nitroaromatics. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
248	Tertiary Chiral Nanostructures from C \equiv H \rightarrow F Directed Assembly of Chiroptical Superatoms. <i>Angewandte Chemie</i> , 2021 , 133, 22585-22590	3.6	0
247	Tertiary Chiral Nanostructures from C-H \rightarrow F Directed Assembly of Chiroptical Superatoms. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22411-22416	16.4	7
246	Heterogeneous Isomerization for Stereoselective Alkyne Hydrogenation to α -Alkene Mediated by Frustrated Hydrogen Atoms. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15882-15890	16.4	3
245	Strain creates excellent catalysts for electrolyzers. <i>Joule</i> , 2021 , 5, 3072-3074	27.8	
244	Pd@Pt-GOx/HA as a Novel Enzymatic Cascade Nanoreactor for High-Efficiency Starving-Enhanced Chemodynamic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51249-51262	9.5	38

243	Solvent-mediated assembly of atom-precise gold-silver nanoclusters to semiconducting one-dimensional materials. <i>Nature Communications</i> , 2020 , 11, 2229	17.4	47
242	Diethyldithiocarbamate-copper nanocomplex reinforces disulfiram chemotherapeutic efficacy through light-triggered nuclear targeting. <i>Theranostics</i> , 2020 , 10, 6384-6398	12.1	11
241	Methylamine-Dimer-Induced Phase Transition toward MAPbI Films and High-Efficiency Perovskite Solar Modules. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6149-6157	16.4	32
240	Ultrasound-Switchable Nanozyme Augments Sonodynamic Therapy against Multidrug-Resistant Bacterial Infection. <i>ACS Nano</i> , 2020 , 14, 2063-2076	16.7	124
239	Lithium Batteries: Stable Nano-Encapsulation of Lithium Through Seed-Free Selective Deposition for High-Performance Li Battery Anodes (Adv. Energy Mater. 7/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070031	21.8	1
238	Superatomic Au ₁₃ clusters ligated by different N-heterocyclic carbenes and their ligand-dependent catalysis, photoluminescence, and proton sensitivity. <i>Nano Research</i> , 2020 , 13, 1908-1911	10	37
237	Chemoselective Hydrogenation of Nitroaromatics at the Nanoscale Iron(III)-OH-Platinum Interface. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12736-12740	16.4	44
236	Chemoselective Hydrogenation of Nitroaromatics at the Nanoscale Iron(III)-OH-Platinum Interface. <i>Angewandte Chemie</i> , 2020 , 132, 12836-12840	3.6	2
235	Carbon Monoxide Promotes the Catalytic Hydrogenation on Metal Cluster Catalysts. <i>Research</i> , 2020 , 2020, 4172794	7.8	11
234	Stable Nano-Encapsulation of Lithium Through Seed-Free Selective Deposition for High-Performance Li Battery Anodes. <i>Advanced Energy Materials</i> , 2020 , 10, 1902956	21.8	38
233	A trustworthy CpG nanoplatform for highly safe and efficient cancer photothermal combined immunotherapy. <i>Nanoscale</i> , 2020 , 12, 3916-3930	7.7	34
232	Molecular imaging of advanced atherosclerotic plaques with folate receptor-targeted 2D nanoprobes. <i>Nano Research</i> , 2020 , 13, 173-182	10	9
231	Adhesion of Bacteria to a Graphene Oxide Film.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 704-712	4.1	8
230	Interface Engineering of Cubic Zinc Metatitanate as an Excellent Electron Transport Material for Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900533	7.1	10
229	Surface coordination layer passivates oxidation of copper. <i>Nature</i> , 2020 , 586, 390-394	50.4	54
228	Alkali ions secure hydrides for catalytic hydrogenation. <i>Nature Catalysis</i> , 2020 , 3, 703-709	36.5	56
227	[Cu(PET)HCl](PPh): A Copper Hydride Nanocluster with a Bisquare Antiprismatic Core. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13974-13981	16.4	36
226	Facet engineering accelerates spillover hydrogenation on highly diluted metal nanocatalysts. <i>Nature Nanotechnology</i> , 2020 , 15, 848-853	28.7	90

225	Surface Coordination Chemistry of Atomically Dispersed Metal Catalysts. <i>Chemical Reviews</i> , 2020 , 120, 11810-11899	68.1	134
224	Amphiphilic silver nanoclusters show active nanoBio interaction with compelling antibacterial activity against multidrug-resistant bacteria. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	5
223	Palladium-based nanomaterials for cancer imaging and therapy. <i>Theranostics</i> , 2020 , 10, 10057-10074	12.1	20
222	Solubility-Driven Isolation of a Metastable Nonagold Cluster with Body-Centered Cubic Structure. <i>Chemistry - A European Journal</i> , 2020 , 26, 8465-8470	4.8	11
221	Shell-Isolated Nanoparticle-Enhanced Luminescence of Metallic Nanoclusters. <i>Analytical Chemistry</i> , 2020 , 92, 7146-7153	7.8	5
220	Moisture-tolerant and high-quality ECsPbI_3 films for efficient and stable perovskite solar modules. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9597-9606	13	33
219	Catalysis Selects Its Own Favorite Facets. <i>Chem</i> , 2019 , 5, 1935-1937	16.2	5
218	The biobehavior, biocompatibility and theranostic application of SPNS and Pd@Au nanoplates in rats and rabbits. <i>Chemical Science</i> , 2019 , 10, 1677-1686	9.4	14
217	Intimate Interfacial Interaction between Amino-Modified Ti5 Clusters and BiVO4 towards Efficient Photoelectrochemical Water Splitting. <i>ChemNanoMat</i> , 2019 , 5, 1110-1114	3.5	4
216	Beyond efficiency: phenothiazine, a new commercially viable substituent for hole transport materials in perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8593-8598	7.1	11
215	CdAg(SePh): Non-Noble Metal Doped Silver Nanoclusters. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8422-8425	16.4	47
214	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
213	Recent Advances in Hollow Porous Carbon Materials for Lithium-Sulfur Batteries. <i>Small</i> , 2019 , 15, e1804786	18.6	172
212	Combinatorial Identification of Hydrides in a Ligated Ag Nanocluster with Noncompact Metal Core. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11905-11911	16.4	41
211	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
210	N-Methyl-2-pyrrolidone as an excellent coordinative additive with a wide operating range for fabricating high-quality perovskite films. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2458-2463	6.8	15
209	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
208	Highly Robust but Surface-Active: An N-Heterocyclic Carbene-Stabilized Au ₂₅ Nanocluster. <i>Angewandte Chemie</i> , 2019 , 131, 17895-17899	3.6	25

207	Cu ₂ O-Supported Atomically Dispersed Pd Catalysts for Semihydrogenation of Terminal Alkynes: Critical Role of Oxide Supports. <i>CCS Chemistry</i> , 2019 , 1, 207-214	7.2	26
206	Br-containing alkyl ammonium salt-enabled scalable fabrication of high-quality perovskite films for efficient and stable perovskite modules. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26849-26857	13	29
205	Fractal Patterns in Nucleation and Growth of Icosahedral Core of [Au Ag(SCHF)] (n = 0-12) via ab Initio Synthesis: Continuously Tunable Composition Control. <i>Inorganic Chemistry</i> , 2019 , 58, 259-264	5.1	6
204	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
203	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
202	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
201	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
200	Acetylene-Mediated Synthesis of Supported Pt Nanocatalyst for Selective Hydrogenation of Halonitrobenzene. <i>ChemNanoMat</i> , 2018 , 4, 518-523	3.5	1
199	Pd nanosheets with their surface coordinated by radioactive iodide as a high-performance theranostic nanoagent for orthotopic hepatocellular carcinoma imaging and cancer therapy. <i>Chemical Science</i> , 2018 , 9, 4268-4274	9.4	36
198	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
197	Structure and formation of highly luminescent protein-stabilized gold clusters. <i>Chemical Science</i> , 2018 , 9, 2782-2790	9.4	57
196	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
195	From Symmetry Breaking to Unraveling the Origin of the Chirality of Ligated Au ₁₃ Cu ₂ Nanoclusters. <i>Angewandte Chemie</i> , 2018 , 130, 3479-3483	3.6	19
194	A Two-Dimensional Porous Carbon-Modified Separator for High-Energy-Density Li-S Batteries. <i>Joule</i> , 2018 , 2, 323-336	27.8	233
193	Strategies for Stabilizing Atomically Dispersed Metal Catalysts. <i>Small Methods</i> , 2018 , 2, 1700286	12.8	174
192	Amine facilitates the synthesis of silica-supported ultrasmall bimetallic nanoparticles. <i>Science China Materials</i> , 2018 , 61, 1129-1131	7.1	1
191	Thiol-stabilized atomically precise, superatomic silver nanoparticles for catalysing cycloisomerization of alkynyl amines. <i>National Science Review</i> , 2018 , 5, 694-702	10.8	42
190	A vicinal effect for promoting catalysis of Pd ₁ /TiO ₂ : supports of atomically dispersed catalysts play more roles than simply serving as ligands. <i>Science Bulletin</i> , 2018 , 63, 675-682	10.6	54

189	Thiol Treatment Creates Selective Palladium Catalysts for Semihydrogenation of Internal Alkynes. <i>CheM</i> , 2018 , 4, 1080-1091	16.2	88
188	pH-sensitive radiolabeled and superfluorinated ultra-small palladium nanosheet as a high-performance multimodal platform for tumor theranostics. <i>Biomaterials</i> , 2018 , 179, 134-143	15.6	25
187	Real-space imaging with pattern recognition of a ligand-protected Ag nanocluster at sub-molecular resolution. <i>Nature Communications</i> , 2018 , 9, 2948	17.4	16
186	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
185	Co-crystallization of atomically precise metal nanoparticles driven by magic atomic and electronic shells. <i>Nature Communications</i> , 2018 , 9, 3357	17.4	69
184	Interfacing with silica boosts the catalysis of copper. <i>Nature Communications</i> , 2018 , 9, 3367	17.4	99
183	Growth-Dynamic-Controllable Rapid Crystallization Boosts the Perovskite Photovoltaics' Robust Preparation: From Blade Coating to Painting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23103-23111	9.5	14
182	Stabilizing Catalytic Pt-OH-Fe(III) Interfaces by Mesoporous TiO ₂ with Rich Surface Hydroxyl Groups. <i>Acta Chimica Sinica</i> , 2018 , 76, 617	3.3	2
181	A Pd corolla-human serum albumin-indocyanine green nanocomposite for photothermal/photodynamic combination therapy of cancer. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 6969-6976	7.3	13
180	Ether-Soluble Cu ₅₃ Nanoclusters as an Effective Precursor of High-Quality CuI Films for Optoelectronic Applications. <i>Angewandte Chemie</i> , 2018 , 131, 845	3.6	0
179	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
178	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
177	Golden single-atomic-site platinum electrocatalysts. <i>Nature Materials</i> , 2018 , 17, 1033-1039	27	177
176	Preface: single-atom catalysts as a new generation of heterogeneous catalysts. <i>National Science Review</i> , 2018 , 5, 625-625	10.8	16
175	Single-Site Ruthenium Pincer Complex Knitted into Porous Organic Polymers for Dehydrogenation of Formic Acid. <i>ChemSusChem</i> , 2018 , 11, 3591-3598	8.3	28
174	Electrochemical Reduction of Carbon Dioxide to Methanol on Hierarchical Pd/SnO ₂ Nanosheets with Abundant Pd ₂ Sn Interfaces. <i>Angewandte Chemie</i> , 2018 , 130, 9619-9623	3.6	21
173	Economizing Production of Diverse 2D Layered Metal Hydroxides for Efficient Overall Water Splitting. <i>Small</i> , 2018 , 14, e1800759	11	32
172	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

171	Coordination chemistry of atomically dispersed catalysts. <i>National Science Review</i> , 2018 , 5, 636-638	10.8	38
170	Shaping the selectivity in heterogeneous hydrogenation by using molecular modification strategies: Experiment and theory. <i>Catalysis Today</i> , 2017 , 279, 36-44	5.3	15
169	Peculiar holes on checkerboard facets of a trigonal prismatic AuAg(SPhCl)(PPh) cluster caused by steric hindrance and magic electron count. <i>Dalton Transactions</i> , 2017 , 46, 1757-1760	4.3	15
168	Surface Coordination Chemistry of Metal Nanomaterials. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2122-2131	16.4	381
167	Self-Supported 3D PdCu Alloy Nanosheets as a Bifunctional Catalyst for Electrochemical Reforming of Ethanol. <i>Small</i> , 2017 , 13, 1602970	11	128
166	Polyethylene glycol phospholipids encapsulated silicon 2,3-naphthalocyanine dihydroxide nanoparticles (SiNcOH-DSPE-PEG(NH ₂) NPs) for single NIR laser induced cancer combination therapy. <i>Chinese Chemical Letters</i> , 2017 , 28, 1290-1299	8.1	25
165	Two-dimensional Pd-based nanomaterials for bioapplications. <i>Science Bulletin</i> , 2017 , 62, 579-588	10.6	36
164	Safety profile of two-dimensional Pd nanosheets for photothermal therapy and photoacoustic imaging. <i>Nano Research</i> , 2017 , 10, 1234-1248	10	50
163	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
162	The biodistribution, excretion and potential toxicity of different-sized Pd nanosheets in mice following oral and intraperitoneal administration. <i>Biomaterials Science</i> , 2017 , 5, 2448-2455	7.4	15
161	Improving Efficiency and Stability of Perovskite Solar Cells by Modifying Mesoporous TiO ₂ /Perovskite Interfaces with Both Aminocaproic and Caproic acids. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700897	4.6	28
160	Photochemical route for preparing atomically dispersed Pd ₁ /TiO ₂ catalysts on (001)-exposed anatase nanocrystals and P25. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1574-1580	11.3	12
159	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
158	Microporous Cyclic Titanium-Oxo Clusters with Labile Surface Ligands. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16252-16256	16.4	59
157	Supercubes, Supersquares, and Superrods of Face-Centered Cubes (FCC): Atomic and Electronic Requirements of [M(SR)(PR')] Nanoclusters (M = Coinage Metals) and Their Implications with Respect to Nucleation and Growth of FCC Metals. <i>Inorganic Chemistry</i> , 2017 , 56, 11470-11479	5.1	16
156	Identifying the electrocatalytic sites of nickel disulfide in alkaline hydrogen evolution reaction. <i>Nano Energy</i> , 2017 , 41, 148-153	17.1	133
155	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
154	Ultrastable atomic copper nanosheets for selective electrochemical reduction of carbon dioxide. <i>Science Advances</i> , 2017 , 3, e1701069	14.3	153

153	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
152	In Situ Electrochemical Production of Ultrathin Nickel Nanosheets for Hydrogen Evolution Electrocatalysis. <i>Chem</i> , 2017 , 3, 122-133	16.2	150
151	Microporous Cyclic Titanium-Oxo Clusters with Labile Surface Ligands. <i>Angewandte Chemie</i> , 2017 , 129, 16470-16474	3.6	17
150	Air-promoted selective hydrogenation of phenol to cyclohexanone at low temperature over Pd-based nanocatalysts. <i>Science China Chemistry</i> , 2017 , 60, 1444-1449	7.9	9
149	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
148	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
147	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
146	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
145	Assembled molecular face-rotating polyhedra to transfer chirality from two to three dimensions. <i>Nature Communications</i> , 2016 , 7, 12469	17.4	60
144	Plasmonic twinned silver nanoparticles with molecular precision. <i>Nature Communications</i> , 2016 , 7, 12809	17.4	191
143	Site Preference in Multimetallic Nanoclusters: Incorporation of Alkali Metal Ions or Copper Atoms into the Alkynyl-Protected Body-Centered Cubic Cluster [Au ₇ Ag ₈ (C≡CtBu) ₁₂] ⁺ . <i>Angewandte Chemie</i> , 2016 , 128, 15376-15380	3.6	9
142	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
141	Carbon Monoxide-Assisted Synthesis of Ultrathin PtCu ₃ Alloy Wavy Nanowires and Their Enhanced Electrocatalysis. <i>Small</i> , 2016 , 12, 1572-7	11	70
140	Carbon-Monoxide-Assisted Synthesis of Ultrathin PtCu Alloy Nanosheets and Their Enhanced Catalysis. <i>ChemNanoMat</i> , 2016 , 2, 776-780	3.5	34
139	Interfacial electronic effects control the reaction selectivity of platinum catalysts. <i>Nature Materials</i> , 2016 , 15, 564-9	27	413
138	Light absorption enhancement by embedding submicron scattering TiO ₂ nanoparticles in perovskite solar cells. <i>RSC Advances</i> , 2016 , 6, 24596-24602	3.7	24
137	Interfacial Effects in PdAg Bimetallic Nanosheets for Selective Dehydrogenation of Formic Acid. <i>ChemNanoMat</i> , 2016 , 2, 28-32	3.5	57
136	Two distinctive energy migration pathways of monolayer molecules on metal nanoparticle surfaces. <i>Nature Communications</i> , 2016 , 7, 10749	17.4	16

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