

Wenxing Chen

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.

232
papers

20,857
citations

74
h-index

142
g-index

244
ext. papers

27,918
ext. citations

12
avg, IF

7.05
L-index

#	Paper	IF	Citations
232	Reaction kinetics of melt post-polycondensation process for polycarbonate in film state. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 51731	2.9	1
231	Identification of Fenton-like active Cu sites by heteroatom modulation of electronic density.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	22
230	Complementary Operando Spectroscopy identification of in-situ generated metastable charge-asymmetry Cu-CuN clusters for CO reduction to ethanol.. <i>Nature Communications</i> , 2022 , 13, 1322 ^{17.4}	17.4	9
229	Abiotic degradation behavior of polyacrylonitrile-based material filled with a composite of TiO and g-CN under solar illumination.. <i>Chemosphere</i> , 2022 , 134375	8.4	0
228	Efficient peroxymonosulfate activation by N-rich pyridyl-iron phthalocyanine derivative for the elimination of pharmaceutical contaminants under solar irradiation.. <i>Chemosphere</i> , 2022 , 299, 134464	8.4	0
227	Construction of interconnected NiO/CoFe alloy nanosheets for overall water splitting. <i>Renewable Energy</i> , 2022 , 194, 459-468	8.1	0
226	Flexible Electron-Rich Ion Channels Enable Ultrafast and Stable Aqueous Zinc-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54096-54105	9.5	1
225	Single-Atom Ru on ALO for Highly Active and Selective 1,2-Dichloroethane Catalytic Degradation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 53683-53690	9.5	1
224	Phase and interface engineering of nickel carbide nanobranches for efficient hydrogen oxidation catalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 26323-26329	13	4
223	Atomically dispersed Pd catalysts promote the oxygen evolution reaction in acidic media. <i>Chemical Communications</i> , 2021 , 57, 11561-11564	5.8	2
222	A single-atom Cu-N catalyst eliminates oxygen interference for electrochemical sensing of hydrogen peroxide in a living animal brain.. <i>Chemical Science</i> , 2021 , 12, 15045-15053	9.4	3
221	Solar-driven zinc-doped graphitic carbon nitride photocatalytic fibre for simultaneous removal of hexavalent chromium and pharmaceuticals. <i>Environmental Technology (United Kingdom)</i> , 2021 , 1-12	2.6	2
220	Engineering Ag-N Single-Atom Sites on Porous Concave N-Doped Carbon for Boosting CO Electroreduction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17736-17744	9.5	13
219	Electron-rich isolated Pt active sites in ultrafine PtFe ₃ intermetallic catalyst for efficient alkene hydrosilylation. <i>Journal of Catalysis</i> , 2021 , 396, 351-359	7.3	6
218	Optimized MoP with Pseudo-Single-Atom Tungsten for Efficient Hydrogen Electrocatalysis. <i>Chemistry of Materials</i> , 2021 , 33, 3639-3649	9.6	4
217	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. <i>Nature Communications</i> , 2021 , 12, 3181	17.4	40
216	Transforming cobalt hydroxide nanowires into single atom site catalysts. <i>Nano Energy</i> , 2021 , 83, 105799 ^{17.1}	17.1	8

215	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. <i>Nature Catalysis</i> , 2021 , 4, 407-417	36.5	134
214	High-valent iron-oxo species on pyridine-containing MWCNTs generated in a solar-induced HO activation system for the removal of antimicrobials. <i>Chemosphere</i> , 2021 , 273, 129545	8.4	3
213	Ultrafast Rechargeable Aqueous Zinc-Ion Batteries Based on Stable Radical Chemistry. <i>Advanced Functional Materials</i> , 2021 , 31, 2102011	15.6	14
212	Cactus-like NiCo ₂ S ₄ @NiFe LDH hollow spheres as an effective oxygen bifunctional electrocatalyst in alkaline solution. <i>Applied Catalysis B: Environmental</i> , 2021 , 286, 119869	21.8	54
211	Structure and properties of gel-spun ultra-high molecular weight polyethylene fibers obtained from industrial production line. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51317	2.9	3
210	In Situ Implanting of Single Tungsten Sites into Defective UiO-66(Zr) by Solvent-Free Route for Efficient Oxidative Desulfurization at Room Temperature. <i>Angewandte Chemie</i> , 2021 , 133, 20481-20487	3.6	1
209	Degradation of carbamazepine by MWCNTs-promoted generation of high-valent iron-oxo species in a mild system with O-bridged iron perfluorophthalocyanine dimers. <i>Journal of Environmental Sciences</i> , 2021 , 99, 260-266	6.4	4
208	Atomic-Level Modulation of Electronic Density at Cobalt Single-Atom Sites Derived from Metal-Organic Frameworks: Enhanced Oxygen Reduction Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3212-3221	16.4	180
207	Atomic-Level Modulation of Electronic Density at Cobalt Single-Atom Sites Derived from Metal-Organic Frameworks: Enhanced Oxygen Reduction Performance. <i>Angewandte Chemie</i> , 2021 , 133, 3249-3258	3.6	22
206	Single copper sites dispersed on hierarchically porous carbon for improving oxygen reduction reaction towards zinc-air battery. <i>Nano Research</i> , 2021 , 14, 998-1003	10	21
205	Single-atom Fe with Fe ₁ N ₃ structure showing superior performances for both hydrogenation and transfer hydrogenation of nitrobenzene. <i>Science China Materials</i> , 2021 , 64, 642-650	7.1	59
204	A rational design of an efficient counter electrode with the Co/Co ₁ P ₁ N ₃ atomic interface for promoting catalytic performance. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3085-3092	7.8	5
203	Metal single-atom catalysts for selective hydrogenation of unsaturated bonds. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 5296-5319	13	9
202	Bottom-up pore-generation strategy modulated active nitrogen species for oxygen reduction reaction. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 2684-2693	7.8	3
201	Highly Active and Stable Palladium Single-Atom Catalyst Achieved by a Thermal Atomization Strategy on an SBA-15 Molecular Sieve for Semi-Hydrogenation Reactions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2530-2537	9.5	12
200	Artificial light-harvesting 2D photosynthetic systems with iron phthalocyanine/graphitic carbon nitride composites for highly efficient CO ₂ reduction. <i>Catalysis Science and Technology</i> , 2021 , 11, 5952-5961	5.5	4
199	Copper-based single-atom alloys for heterogeneous catalysis. <i>Chemical Communications</i> , 2021 , 57, 2710-2723	3.8	9
198	Biomimetic polydopamine catalyst with redox activity for oxygen-promoted H ₂ production via aqueous formaldehyde reforming. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4575-4579	5.8	0

197	A general strategy to prepare atomically dispersed biomimetic catalysts based on host-guest chemistry. <i>Chemical Communications</i> , 2021 , 57, 1895-1898	5.8	1
196	Salt-Induced Changes in Sol-to-Gel Transition and Structure of Stereocomplexable Poly(lactic acid)/Poly(ethylene glycol) Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2021 , 222, 2000354	2.6	
195	Notched-Polyoxometalate Strategy to Fabricate Atomically Dispersed Ru Catalysts for Biomass Conversion. <i>ACS Catalysis</i> , 2021 , 11, 2669-2675	13.1	13
194	Construction of Dual-Active-Site Copper Catalyst Containing both Cu ²⁺ N and Cu ⁺ N Sites. <i>Small</i> , 2021 , 17, e2006834	11	14
193	Oxygen Reduction Reaction: Mn ²⁺ N ₄ Oxygen Reduction Electrocatalyst: Operando Investigation of Active Sites and High Performance in Zinc-Air Battery (Adv. Energy Mater. 6/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170025	21.8	
192	In Situ Implanting of Single Tungsten Sites into Defective UiO-66(Zr) by Solvent-Free Route for Efficient Oxidative Desulfurization at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20318-20324	16.4	19
191	Electrocatalytic acidic oxygen evolution reaction: From nanocrystals to single atoms. <i>Aggregate</i> , 2021 , 2, e106	22.9	5
190	Atomic-Scale Tailoring and Molecular-Level Tracking of Oxygen-Containing Tungsten Single-Atom Catalysts with Enhanced Singlet Oxygen Generation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 37142-37151	9.5	0
189	Controllable drilling by corrosive Cu ₂ O to access highly accessible single-site catalysts for bacterial disinfection. <i>Applied Catalysis B: Environmental</i> , 2021 , 293, 120228	21.8	5
188	Alkyne Semihydrogenation over Pd Nanoparticles Embedded in N,S-Doped Carbon Nanosheets. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9052-9059	5.6	0
187	Atomically dispersed Ru in PtSn intermetallic alloy as an efficient methanol oxidation electrocatalyst. <i>Chemical Communications</i> , 2021 , 57, 2164-2167	5.8	1
186	Simultaneous diffusion of cation and anion to access N, S co-coordinated Bi-sites for enhanced CO ₂ electroreduction. <i>Nano Research</i> , 2021 , 14, 2790-2796	10	19
185	Integrating single-cobalt-site and electric field of boron nitride in dechlorination electrocatalysts by bioinspired design. <i>Nature Communications</i> , 2021 , 12, 303	17.4	27
184	Simultaneous oxidative and reductive reactions in one system by atomic design. <i>Nature Catalysis</i> , 2021 , 4, 134-143	36.5	40
183	N-Bridged Co ₂ Ni: new bimetallic sites for promoting electrochemical CO ₂ reduction. <i>Energy and Environmental Science</i> , 2021 , 14, 3019-3028	35.4	38
182	Mn ²⁺ N ₄ Oxygen Reduction Electrocatalyst: Operando Investigation of Active Sites and High Performance in Zinc-Air Battery. <i>Advanced Energy Materials</i> , 2021 , 11, 2002753	21.8	34
181	Theoretical Predictions, Experimental Modulation Strategies, and Applications of MXene-Supported Atomically Dispersed Metal Sites. <i>Small</i> , 2021 , e2105883	11	7
180	Selective Hydrogenation on a Highly Active Single-Atom Catalyst of Palladium Dispersed on Ceria Nanorods by Defect Engineering. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 57569-57577	9.5	11

179	Fabrication of a wrinkled structure made of wearable polyacrylonitrile/polyurethane composite fibers with elastic sensing properties suitable for human movement detection. <i>Polymer Composites</i> , 2020 , 41, 3491-3500	3	3
178	Coordination structure dominated performance of single-atomic Pt catalyst for anti-Markovnikov hydroboration of alkenes. <i>Science China Materials</i> , 2020 , 63, 972-981	7.1	62
177	Engineering a metal-organic framework derived Mn-N-C S atomic interface for highly efficient oxygen reduction reaction. <i>Chemical Science</i> , 2020 , 11, 5994-5999	9.4	59
176	Room-Temperature Synthesis of Single Iron Site by Electrofiltration for Photoreduction of CO into Tunable Syngas. <i>ACS Nano</i> , 2020 , 14, 6164-6172	16.7	36
175	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , 2020 , 12, 764-772	17.6	207
174	Engineering unsymmetrically coordinated Cu-SN single atom sites with enhanced oxygen reduction activity. <i>Nature Communications</i> , 2020 , 11, 3049	17.4	210
173	Single-atom Ni-N provides a robust cellular NO sensor. <i>Nature Communications</i> , 2020 , 11, 3188	17.4	59
172	Engineering Isolated Mn-NC Atomic Interface Sites for Efficient Bifunctional Oxygen Reduction and Evolution Reaction. <i>Nano Letters</i> , 2020 , 20, 5443-5450	11.5	135
171	Fabricating Pd isolated single atom sites on C ₃ N ₄ /rGO for heterogenization of homogeneous catalysis. <i>Nano Research</i> , 2020 , 13, 947-951	10	41
170	Single-atom Rh/N-doped carbon electrocatalyst for formic acid oxidation. <i>Nature Nanotechnology</i> , 2020 , 15, 390-397	28.7	208
169	Cation/Anion Exchange Reactions toward the Syntheses of Upgraded Nanostructures: Principles and Applications. <i>Matter</i> , 2020 , 2, 554-586	12.7	33
168	In-situ polymerization induced atomically dispersed manganese sites as cocatalyst for CO ₂ photoreduction into synthesis gas. <i>Nano Energy</i> , 2020 , 76, 105059	17.1	35
167	Single-Atom Au ₁ N ₃ Site for Acetylene Hydrochlorination Reaction. <i>ACS Catalysis</i> , 2020 , 10, 1865-1870	13.1	41
166	Tuning Polarity of Cu-O Bond in Heterogeneous Cu Catalyst to Promote Additive-free Hydroboration of Alkynes. <i>Chem</i> , 2020 , 6, 725-737	16.2	53
165	Confined crystallization, melting behavior and morphology in PEG-b-PLA diblock copolymers: Amorphous versus crystalline PLA. <i>Journal of Polymer Science</i> , 2020 , 58, 455-465	2.4	6
164	Film reaction kinetics for melt postpolycondensation of poly(ethylene terephthalate). <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48988	2.9	3
163	Atomic-dispersed platinum anchored on porous alumina sheets as an efficient catalyst for diboration of alkynes. <i>Chemical Communications</i> , 2020 , 56, 3127-3130	5.8	11
162	Highly Selective Photoreduction of CO with Suppressing H Evolution by Plasmonic Au/CdSe-Cu O Hierarchical Nanostructures under Visible Light. <i>Small</i> , 2020 , 16, e2000426	11	30

161	Micro-scale 2D quasi-nanosheets formed by 0D nanocrystals: from single to multicomponent building blocks. <i>Science China Materials</i> , 2020 , 63, 1265-1271	7.1	4
160	Single iron atoms coordinated to g-CN on hierarchical porous N-doped carbon polyhedra as a high-performance electrocatalyst for the oxygen reduction reaction. <i>Chemical Communications</i> , 2020 , 56, 798-801	5.8	27
159	Construction of MnO Artificial Leaf with Atomic Thickness as Highly Stable Battery Anodes. <i>Advanced Materials</i> , 2020 , 32, e1906582	24	32
158	High-Valent Iron-Oxo Complexes as Dominant Species to Eliminate Pharmaceuticals and Chloride-Containing Intermediates by the Activation of Peroxymonosulfate Under Visible Irradiation. <i>Catalysis Letters</i> , 2020 , 150, 1355-1367	2.8	8
157	Single-atom Sn-Zn pairs in CuO catalyst promote dimethyldichlorosilane synthesis. <i>National Science Review</i> , 2020 , 7, 600-608	10.8	16
156	Confined crystallization and melting behaviors of poly(ethylene glycol) end-functionalized by hydrogen bonding groups: Effect of contents for functional units. <i>Polymer Crystallization</i> , 2020 , 3, e101589	0.9	1
155	Dynamic evolution of isolated RuFeP atomic interface sites for promoting the electrochemical hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22607-22612	13	16
154	Controlling N-doping type in carbon to boost single-atom site Cu catalyzed transfer hydrogenation of quinoline. <i>Nano Research</i> , 2020 , 13, 3082-3087	10	149
153	Engineering of Coordination Environment and Multiscale Structure in Single-Site Copper Catalyst for Superior Electrocatalytic Oxygen Reduction. <i>Nano Letters</i> , 2020 , 20, 6206-6214	11.5	99
152	Discovery of main group single SbN ₄ active sites for CO ₂ electroreduction to formate with high efficiency. <i>Energy and Environmental Science</i> , 2020 , 13, 2856-2863	35.4	113
151	Gram-Scale Synthesis of High-Loading Single-Atomic-Site Fe Catalysts for Effective Epoxidation of Styrene. <i>Advanced Materials</i> , 2020 , 32, e2000896	24	78
150	Direct Synthesis of Atomically Dispersed Palladium Atoms Supported on Graphitic Carbon Nitride for Efficient Selective Hydrogenation Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	14
149	Negative Pressure Pyrolysis Induced Highly Accessible Single Sites Dispersed on 3D Graphene Frameworks for Enhanced Oxygen Reduction. <i>Angewandte Chemie</i> , 2020 , 132, 20645-20649	3.6	6
148	Negative Pressure Pyrolysis Induced Highly Accessible Single Sites Dispersed on 3D Graphene Frameworks for Enhanced Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20465-20469	16.4	50
147	Design of a Single-Atom Indium -N Interface for Efficient Electroreduction of CO to Formate. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22465-22469	16.4	102
146	Design of a Single-Atom IndiumN ₄ Interface for Efficient Electroreduction of CO ₂ to Formate. <i>Angewandte Chemie</i> , 2020 , 132, 22651-22655	3.6	12
145	Unique Cation Exchange in Nanocrystal Matrix via Surface Vacancy Engineering Overcoming Chemical Kinetic Energy Barriers. <i>CheM</i> , 2020 , 6, 3086-3099	16.2	9
144	Single-Atom Co-N Electrocatalyst Enabling Four-Electron Oxygen Reduction with Enhanced Hydrogen Peroxide Tolerance for Selective Sensing. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16861-16867	16.4	77

143	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie</i> , 2020 , 132, 1311-1317	3.6	21
142	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1295-1301	16.4	197
141	Promoting electrocatalytic methanol oxidation of platinum nanoparticles by cerium modification. <i>Nano Energy</i> , 2020 , 73, 104784	17.1	26
140	Isolated Ni Atoms Dispersed on Ru Nanosheets: High-Performance Electrocatalysts toward Hydrogen Oxidation Reaction. <i>Nano Letters</i> , 2020 , 20, 3442-3448	11.5	80
139	In Situ Phosphatizing of Triphenylphosphine Encapsulated within Metal-Organic Frameworks to Design Atomic Co-PN Interfacial Structure for Promoting Catalytic Performance. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8431-8439	16.4	123
138	Electrochemical conversion of bulk platinum into platinum single-atom sites for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10755-10760	13	23
137	Bismuth Single Atoms Resulting from Transformation of Metal-Organic Frameworks and Their Use as Electrocatalysts for CO Reduction. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16569-16573	16.4	267
136	Silk-Derived 2D Porous Carbon Nanosheets with Atomically-Dispersed Fe-N-C Sites for Highly Efficient Oxygen Reaction Catalysts. <i>Small</i> , 2019 , 15, e1804966	11	40
135	Boosting Oxygen Reduction Catalysis with Fe _{N4} Sites Decorated Porous Carbons toward Fuel Cells. <i>ACS Catalysis</i> , 2019 , 9, 2158-2163	13.1	209
134	Interpenetrating-Syncretic Micro-Nano Hierarchy Fibers for Effective Fine Particle Capture. <i>Advanced Engineering Materials</i> , 2019 , 21, 1801361	3.5	3
133	Two-Step Carbothermal Welding To Access Atomically Dispersed Pd on Three-Dimensional Zirconia Nanonet for Direct Indole Synthesis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10590-10594	16.4	66
132	Colored TiO ₂ composites embedded on fabrics as photocatalysts: Decontamination of formaldehyde and deactivation of bacteria in water and air. <i>Chemical Engineering Journal</i> , 2019 , 375, 121949	14.7	17
131	Electrodeposition of polypyrrole on He plasma etched carbon nanotube films for electrodes of flexible all-solid-state supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 1553-1562	2.6	9
130	High-Concentration Single Atomic Pt Sites on Hollow Cu _x for Selective O ₂ Reduction to H ₂ O ₂ in Acid Solution. <i>Chem</i> , 2019 , 5, 2099-2110	16.2	152
129	Single-atom tailoring of platinum nanocatalysts for high-performance multifunctional electrocatalysis. <i>Nature Catalysis</i> , 2019 , 2, 495-503	36.5	258
128	High-Performance Quantum Dots with Synergistic Doping and Oxide Shell Protection Synthesized by Cation Exchange Conversion of Ternary-Composition Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2606-2615	6.4	13
127	Regulating the Catalytic Performance of Single-Atomic-Site Ir Catalyst for Biomass Conversion by Metal-Support Interactions. <i>ACS Catalysis</i> , 2019 , 9, 5223-5230	13.1	52
126	A general route via formamide condensation to prepare atomically dispersed metal-nitrogen-carbon electrocatalysts for energy technologies. <i>Energy and Environmental Science</i> , 2019 , 12, 1317-1325	35.4	181

125	Compressive surface strained atomic-layer Cu ₂ O on Cu@Ag nanoparticles. <i>Nano Research</i> , 2019 , 12, 1187-1192	15	
124	Hollow anisotropic semiconductor nanoprisms with highly crystalline frameworks for high-efficiency photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8061-8072	11	
123	Engineering the electronic structure of single atom Ru sites via compressive strain boosts acidic water oxidation electrocatalysis. <i>Nature Catalysis</i> , 2019 , 2, 304-313	36.5	420
122	2D MOF induced accessible and exclusive Co single sites for an efficient O-silylation of alcohols with silanes. <i>Chemical Communications</i> , 2019 , 55, 6563-6566	5.8	25
121	Efficient Plasmonic Au/CdSe Nanodumbbell for Photoelectrochemical Hydrogen Generation beyond Visible Region. <i>Advanced Energy Materials</i> , 2019 , 9, 1803889	21.8	56
120	Atomically Dispersed Ruthenium Species Inside Metal-Organic Frameworks: Combining the High Activity of Atomic Sites and the Molecular Sieving Effect of MOFs. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4271-4275	16.4	92
119	Atomically Dispersed Ruthenium Species Inside Metal-Organic Frameworks: Combining the High Activity of Atomic Sites and the Molecular Sieving Effect of MOFs. <i>Angewandte Chemie</i> , 2019 , 131, 4315-4319	3.6	12
118	Directly transforming copper (I) oxide bulk into isolated single-atom copper sites catalyst through gas-transport approach. <i>Nature Communications</i> , 2019 , 10, 3734	17.4	159
117	Edge-Contact Geometry and Anion-Deficit Construction for Activating Ultrathin MoS ₂ on WO ₃ in the Hydrogen Evolution Reaction. <i>Inorganic Chemistry</i> , 2019 , 58, 11241-11247	5.1	5
116	Revealing the role of graphene in enhancing the catalytic performance of phthalocyanine immobilized graphene/bacterial cellulose nanocomposite. <i>Cellulose</i> , 2019 , 26, 7863-7875	5.5	3
115	Isolating contiguous Pt atoms and forming Pt-Zn intermetallic nanoparticles to regulate selectivity in 4-nitrophenylacetylene hydrogenation. <i>Nature Communications</i> , 2019 , 10, 3787	17.4	60
114	Evolution of Hollow CuInS Nanododecahedrons via Kirkendall Effect Driven by Cation Exchange for Efficient Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27170-27177	9.5	23
113	Mesoporous Nitrogen-Doped Carbon-Nanosphere-Supported Isolated Single-Atom Pd Catalyst for Highly Efficient Semihydrogenation of Acetylene. <i>Advanced Materials</i> , 2019 , 31, e1901024	24	84
112	Atomically dispersed Fe atoms anchored on COF-derived N-doped carbon nanospheres as efficient multi-functional catalysts. <i>Chemical Science</i> , 2019 , 11, 786-790	9.4	64
111	A general synthesis approach for amorphous noble metal nanosheets. <i>Nature Communications</i> , 2019 , 10, 4855	17.4	145
110	Two-dimensional CdX (X = Se, Te) nanosheets: controlled synthesis and their photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13849-13858	7.1	1
109	Atomic interface effect of a single atom copper catalyst for enhanced oxygen reduction reactions. <i>Energy and Environmental Science</i> , 2019 , 12, 3508-3514	35.4	146
108	Regulating the coordination environment of Co single atoms for achieving efficient electrocatalytic activity in CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 240, 234-240	21.8	154

107	Semiconductor Nanocrystal Engineering by Applying Thiol- and Solvent-Coordinated Cation Exchange Kinetics. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4852-4857	16.4	18
106	Semiconductor Nanocrystal Engineering by Applying Thiol- and Solvent-Coordinated Cation Exchange Kinetics. <i>Angewandte Chemie</i> , 2019 , 131, 4906-4911	3.6	4
105	StructureProperty Evolution of Poly(ethylene terephthalate) Fibers in Industrialized Process under Complex Coupling of Stress and Temperature Field. <i>Macromolecules</i> , 2019 , 52, 565-574	5.5	12
104	Continuous post-polycondensation of high-viscosity poly(ethylene terephthalate) in the molten state. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47484	2.9	5
103	Au@HgxCd1-xTe core@shell nanorods by sequential aqueous cation exchange for near-infrared photodetectors. <i>Nano Energy</i> , 2019 , 57, 57-65	17.1	23
102	Solid-Diffusion Synthesis of Single-Atom Catalysts Directly from Bulk Metal for Efficient CO ₂ Reduction. <i>Joule</i> , 2019 , 3, 584-594	27.8	186
101	A single-atom Fe-N catalytic site mimicking bifunctional antioxidative enzymes for oxidative stress cytoprotection. <i>Chemical Communications</i> , 2018 , 55, 159-162	5.8	120
100	Revealing the Active Species for Aerobic Alcohol Oxidation by Using Uniform Supported Palladium Catalysts. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4642-4646	16.4	62
99	A Polymer Encapsulation Strategy to Synthesize Porous Nitrogen-Doped Carbon-Nanosphere-Supported Metal Isolated-Single-Atomic-Site Catalysts. <i>Advanced Materials</i> , 2018 , 30, e1706508	24	203
98	Design of Single-Atom Co-N Catalytic Site: A Robust Electrocatalyst for CO Reduction with Nearly 100% CO Selectivity and Remarkable Stability. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4218-4221	16.4	634
97	Revealing the Active Species for Aerobic Alcohol Oxidation by Using Uniform Supported Palladium Catalysts. <i>Angewandte Chemie</i> , 2018 , 130, 4732-4736	3.6	15
96	Cation vacancy stabilization of single-atomic-site Pt/Ni(OH) catalyst for diboration of alkynes and alkenes. <i>Nature Communications</i> , 2018 , 9, 1002	17.4	179
95	PtAl truncated octahedron nanocrystals for improved formic acid electrooxidation. <i>Chemical Communications</i> , 2018 , 54, 3951-3954	5.8	9
94	Tuning defects in oxides at room temperature by lithium reduction. <i>Nature Communications</i> , 2018 , 9, 1302	17.4	225
93	Sub-nm ruthenium cluster as an efficient and robust catalyst for decomposition and synthesis of ammonia: Break the size shackles. <i>Nano Research</i> , 2018 , 11, 4774-4785	10	25
92	Effect of Protective Agents upon the Catalytic Property of Platinum Nanocrystals. <i>ChemCatChem</i> , 2018 , 10, 2433-2441	5.2	8
91	Defect Effects on TiO Nanosheets: Stabilizing Single Atomic Site Au and Promoting Catalytic Properties. <i>Advanced Materials</i> , 2018 , 30, 1705369	24	474
90	Regulation of Coordination Number over Single Co Sites: Triggering the Efficient Electroreduction of CO. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1944-1948	16.4	607

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