List of Publications by Year
in descending order

424 papers	44,072 citations	1697 104 h-index	2500 196 g-index
436 all docs	436 docs citations	436 times ranked	38207 citing authors

#	Article	IF	Citations
1	Carbon-Based Supercapacitors Produced by Activation of Graphene. Science, 2011, 332, 1537-1541.	6.0	5,528
2	Biaxially strained PtPb/Pt core/shell nanoplate boosts oxygen reduction catalysis. Science, 2016, 354, 1410-1414.	6.0	1,262
3	Single Atomic Iron Catalysts for Oxygen Reduction in Acidic Media: Particle Size Control and Thermal Activation. Journal of the American Chemical Society, 2017, 139, 14143-14149.	6.6	1,215
4	Atomically dispersed manganese catalysts for oxygen reduction in proton-exchange membrane fuel cells. Nature Catalysis, 2018, 1, 935-945.	16.1	1,075
5	Unlocking the Potential of Cation-Disordered Oxides for Rechargeable Lithium Batteries. Science, 2014, 343, 519-522.	6.0	943
6	PdMo bimetallene for oxygen reduction catalysis. Nature, 2019, 574, 81-85.	13.7	935
7	Isolated Ni single atoms in graphene nanosheets for high-performance CO₂ reduction. Energy and Environmental Science, 2018, 11, 893-903.	15.6	811
8	Nitrogenâ€Coordinated Single Cobalt Atom Catalysts for Oxygen Reduction in Proton Exchange Membrane Fuel Cells. Advanced Materials, 2018, 30, 1706758.	11.1	788
9	Highly active atomically dispersed CoN₄ fuel cell cathode catalysts derived from surfactant-assisted MOFs: carbon-shell confinement strategy. Energy and Environmental Science, 2019, 12, 250-260.	15.6	691
10	Electrolyte design for LiF-rich solidâ€"electrolyte interfaces to enable high-performance microsized alloy anodes for batteries. Nature Energy, 2020, 5, 386-397.	19.8	621
11	Surface engineering of hierarchical platinum-cobalt nanowires for efficient electrocatalysis. Nature Communications, 2016, 7, 11850.	5.8	607
12	Hierarchically Porous Mâ€"Nâ€"C (M = Co and Fe) Singleâ€Atom Electrocatalysts with Robust MN<i>_x</i> Active Moieties Enable Enhanced ORR Performance. Advanced Energy Materials, 2018, 8, 1801956.	10.2	540
13	Conversion Reaction Mechanisms in Lithium Ion Batteries: Study of the Binary Metal Fluoride Electrodes. Journal of the American Chemical Society, 2011, 133, 18828-18836.	6.6	492
14	Hardâ€"Soft Composite Carbon as a Longâ€Cycling and Highâ€Rate Anode for Potassiumâ€Ion Batteries. Advanced Functional Materials, 2017, 27, 1700324.	7.8	471
15	New Approach to Fully Ordered fct-FePt Nanoparticles for Much Enhanced Electrocatalysis in Acid. Nano Letters, 2015, 15, 2468-2473.	4.5	385
16	Resolution Limits of Electron-Beam Lithography toward the Atomic Scale. Nano Letters, 2013, 13, 1555-1558.	4.5	350
17	Prolonged Hot Electron Dynamics in Plasmonicâ€Metal/Semiconductor Heterostructures with Implications for Solar Photocatalysis. Angewandte Chemie - International Edition, 2014, 53, 7887-7891.	7.2	349
18	Tuning Nanoparticle Structure and Surface Strain for Catalysis Optimization. Journal of the American Chemical Society, 2014, 136, 7734-7739.	6.6	349

#	Article	IF	Citations
19	Monodisperse AgPd Alloy Nanoparticles and Their Superior Catalysis for the Dehydrogenation of Formic Acid. Angewandte Chemie - International Edition, 2013, 52, 3681-3684.	7.2	348
20	Fe Stabilization by Intermetallic L1₀-FePt and Pt Catalysis Enhancement in L1₀-FePt/Pt Nanoparticles for Efficient Oxygen Reduction Reaction in Fuel Cells. Journal of the American Chemical Society, 2018, 140, 2926-2932.	6.6	312
21	A Singleâ€Atom Iridium Heterogeneous Catalyst in Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2019, 58, 9640-9645.	7.2	312
22	Investigation of Changes in the Surface Structure of Li_{<i>x</i>}Ni_{0.8}Co_{0.15}Al_{0.05}O₂ Cathode Materials Induced by the Initial Charge. Chemistry of Materials, 2014, 26, 1084-1092.	3.2	308
23	Ordered Pt₃Co Intermetallic Nanoparticles Derived from Metalâ€"Organic Frameworks for Oxygen Reduction. Nano Letters, 2018, 18, 4163-4171.	4.5	304
24	Surface Plasmon-Driven Water Reduction: Gold Nanoparticle Size Matters. Journal of the American Chemical Society, 2014, 136, 9842-9845.	6.6	301
25	A General Method for Multimetallic Platinum Alloy Nanowires as Highly Active and Stable Oxygen Reduction Catalysts. Advanced Materials, 2015, 27, 7204-7212.	11.1	280
26	Ordered PdCuâ€Based Nanoparticles as Bifunctional Oxygenâ€Reduction and Ethanolâ€Oxidation Electrocatalysts. Angewandte Chemie - International Edition, 2016, 55, 9030-9035.	7.2	278
27	Seed-Mediated Synthesis of Core/Shell FePtM/FePt (M = Pd, Au) Nanowires and Their Electrocatalysis for Oxygen Reduction Reaction. Journal of the American Chemical Society, 2013, 135, 13879-13884.	6.6	269
28	Palladiumâ€"Tin Alloyed Catalysts for the Ethanol Oxidation Reaction in an Alkaline Medium. ACS Catalysis, 2012, 2, 287-297.	5.5	266
29	Single Cobalt Sites Dispersed in Hierarchically Porous Nanofiber Networks for Durable and Highâ€Power PGMâ€Free Cathodes in Fuel Cells. Advanced Materials, 2020, 32, e2003577.	11.1	262
30	Kirkendall Effect and Lattice Contraction in Nanocatalysts: A New Strategy to Enhance Sustainable Activity. Journal of the American Chemical Society, 2011, 133, 13551-13557.	6.6	255
31	Selfâ€Assembled Feâ€"Nâ€Doped Carbon Nanotube Aerogels with Singleâ€Atom Catalyst Feature as Highâ€Efficiency Oxygen Reduction Electrocatalysts. Small, 2017, 13, 1603407.	5.2	254
32	Synthetic Control of FePtM Nanorods (M = Cu, Ni) To Enhance the Oxygen Reduction Reaction. Journal of the American Chemical Society, 2013, 135, 7130-7133.	6.6	250
33	Controlling the Active Sites of Sulfurâ€Doped Carbon Nanotubeâ€"Graphene Nanolobes for Highly Efficient Oxygen Evolution and Reduction Catalysis. Advanced Energy Materials, 2016, 6, 1501966.	10.2	242
34	Interpenetrating Triphase Cobaltâ€Based Nanocomposites as Efficient Bifunctional Oxygen Electrocatalysts for Longâ€Lasting Rechargeable Znâ€"Air Batteries. Advanced Energy Materials, 2018, 8, 1702900.	10.2	242
35	Elucidating anionic oxygen activity in lithium-rich layered oxides. Nature Communications, 2018, 9, 947.	5.8	241
36	Polyvinylpyrrolidone-induced anisotropic growth of gold nanoprisms in plasmon-driven synthesis. Nature Materials, 2016, 15, 889-895.	13.3	239

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37	Ensemble Effect in Bimetallic Electrocatalysts for CO₂ Reduction. Journal of the American Chemical Society, 2019, 141, 16635-16642.	6.6	238
38	Direct visualization of the Jahnâ€"Teller effect coupled to Na ordering in Na5/8MnO2. Nature Materials, 2014, 13, 586-592.	13.3	237
39	Surface regulation enables high stability of single-crystal lithium-ion cathodes at high voltage. Nature Communications, 2020, 11, 3050.	5.8	225
40	Ultrathin PtNiM (M = Rh, Os, and Ir) Nanowires as Efficient Fuel Oxidation Electrocatalytic Materials. Advanced Materials, 2019, 31, e1805833.	11.1	223
41	3D porous graphitic nanocarbon for enhancing the performance and durability of Pt catalysts: a balance between graphitization and hierarchical porosity. Energy and Environmental Science, 2019, 12, 2830-2841.	15.6	219
42	Nanoceria-Supported Single-Atom Platinum Catalysts for Direct Methane Conversion. ACS Catalysis, 2018, 8, 4044-4048.	5.5	214
43	Nitride Stabilized PtNi Coreâ€"Shell Nanocatalyst for high Oxygen Reduction Activity. Nano Letters, 2012, 12, 6266-6271.	4.5	213
44	Metallic and Insulating Oxide Interfaces Controlled by Electronic Correlations. Science, 2011, 331, 886-889.	6.0	212
45	Ordered bilayer rutheniumâ€"platinum core-shell nanoparticles as carbon monoxide-tolerant fuel cell catalysts. Nature Communications, 2013, 4, 2466.	5.8	200
46	Atomic Arrangement Engineering of Metallic Nanocrystals for Energy-Conversion Electrocatalysis. Joule, 2019, 3, 956-991.	11.7	197
47	Enhancing grain boundary ionic conductivity in mixed ionicâ€"electronic conductors. Nature Communications, 2015, 6, 6824.	5.8	195
48	Bimetallic synergy in cobaltâ€"palladium nanocatalysts for CO oxidation. Nature Catalysis, 2019, 2, 78-85.	16.1	195
49	Ethanol oxidation on the ternary Ptâ€"Rhâ€"SnO2/C electrocatalysts with varied Pt:Rh:Sn ratios. Electrochimica Acta, 2010, 55, 4331-4338.	2.6	191
50	Platinum-Monolayer Shell on AuNi_{0.5}Fe Nanoparticle Core Electrocatalyst with High Activity and Stability for the Oxygen Reduction Reaction. Journal of the American Chemical Society, 2010, 132, 14364-14366.	6.6	191
51	Doping effect on the dielectric property in bismuth titanate. Journal of Applied Physics, 2004, 95, 3126-3130.	1.1	185
52	Structure-Induced Enhancement in Electrooxidation of Trimetallic FePtAu Nanoparticles. Journal of the American Chemical Society, 2012, 134, 5060-5063.	6.6	185
53	Platinum-Tin Oxide Coreâ€"Shell Catalysts for Efficient Electro-Oxidation of Ethanol. Journal of the American Chemical Society, 2014, 136, 10862-10865.	6.6	180
54	Discrete Nanocubes as Plasmonic Reporters of Molecular Chirality. Nano Letters, 2013, 13, 3145-3151.	4.5	178

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55	Highly Active Pt₃Pb and Coreâ€"Shell Pt₃Pbâ€"Pt Electrocatalysts for Formic Acid Oxidation. ACS Nano, 2012, 6, 2818-2825.	7.3	177
56	Zeolite-Encapsulated Pt Nanoparticles for Tandem Catalysis. Journal of the American Chemical Society, 2018, 140, 13514-13520.	6.6	174
57	Cu₃N Nanocubes for Selective Electrochemical Reduction of CO₂ to Ethylene. Nano Letters, 2019, 19, 8658-8663.	4.5	173
58	Nanocatalyst Superior to Pt for Oxygen Reduction Reactions: The Case of Core/Shell Ag(Au)/CuPd Nanoparticles. Journal of the American Chemical Society, 2014, 136, 15026-15033.	6.6	172
59	Mn- and N- doped carbon as promising catalysts for oxygen reduction reaction: Theoretical prediction and experimental validation. Applied Catalysis B: Environmental, 2019, 243, 195-203.	10.8	170
60	Highly Active Iridium/Iridiumâ€"Tin/Tin Oxide Heterogeneous Nanoparticles as Alternative Electrocatalysts for the Ethanol Oxidation Reaction. Journal of the American Chemical Society, 2011, 133, 15172-15183.	6.6	167
61	Monodisperse Core/Shell Ni/FePt Nanoparticles and Their Conversion to Ni/Pt to Catalyze Oxygen Reduction. Journal of the American Chemical Society, 2014, 136, 15921-15924.	6.6	165
62	Superelastic and superhydrophobic bacterial cellulose/silica aerogels with hierarchical cellular structure for oil absorption and recovery. Journal of Hazardous Materials, 2018, 346, 199-207.	6.5	165
63	Ultrathin Visibleâ€Lightâ€Driven Mo Incorporating In₂O₃â€"ZnIn₂Se₄ Zâ€Scheme Nanosheet Photocatalysts. Advanced Materials, 2019, 31, e1807226.	11.1	165
64	Visualizing non-equilibrium lithiation of spinel oxide via in situ transmission electron microscopy. Nature Communications, 2016, 7, 11441.	5.8	162
65	Morphology Control of Carbon-Free Spinel NiCo₂O₄ Catalysts for Enhanced Bifunctional Oxygen Reduction and Evolution in Alkaline Media. ACS Applied Materials & Interfaces, 2017, 9, 44567-44578.	4.0	161
66	Bimetallic IrNi core platinum monolayer shell electrocatalysts for the oxygen reduction reaction. Energy and Environmental Science, 2012, 5, 5297-5304.	15.6	156
67	Tuning the Anodeâ€"Electrolyte Interface Chemistry for Garnetâ€Based Solidâ€State Li Metal Batteries. Advanced Materials, 2020, 32, e2000030.	11.1	156
68	Role of Chemical Composition in the Enhanced Catalytic Activity of Pt-Based Alloyed Ultrathin Nanowires for the Hydrogen Oxidation Reaction under Alkaline Conditions. ACS Catalysis, 2016, 6, 3895-3908.	5.5	155
69	Coreâ€"Shell Structuring of Pure Metallic Aerogels towards Highly Efficient Platinum Utilization for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2018, 57, 2963-2966.	7.2	154
70	Tungstenâ€Doped L1₀â€PtCo Ultrasmall Nanoparticles as a Highâ€Performance Fuel Cell Cathode. Angewandte Chemie - International Edition, 2019, 58, 15471-15477.	7.2	150
71	CuNi Nanoparticles Assembled on Graphene for Catalytic Methanolysis of Ammonia Borane and Hydrogenation of Nitro/Nitrile Compounds. Chemistry of Materials, 2017, 29, 1413-1418.	3.2	149
72	Tailoring FeN₄ Sites with Edge Enrichment for Boosted Oxygen Reduction Performance in Proton Exchange Membrane Fuel Cell. Advanced Energy Materials, 2019, 9, 1803737.	10.2	148

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73	In Situ Characterization of Cu/CeO₂ Nanocatalysts for CO₂ Hydrogenation: Morphological Effects of Nanostructured Ceria on the Catalytic Activity. Journal of Physical Chemistry C, 2018, 122, 12934-12943.	1.5	145
74	Low temperature solid oxide fuel cells with hierarchically porous cathode nano-network. Nano Energy, 2014, 8, 25-33.	8.2	144
75	Ultra-low thermal conductivity and high strength of aerogels/fibrous ceramic composites. Journal of the European Ceramic Society, 2016, 36, 1487-1493.	2.8	140
76	Ternary metal fluorides as high-energy cathodes with low cycling hysteresis. Nature Communications, 2015, 6, 6668.	5.8	138
77	High energy-density and reversibility of iron fluoride cathode enabled via an intercalation-extrusion reaction. Nature Communications, 2018, 9, 2324.	5.8	136
78	Sea urchin-like cobaltâ€“iron phosphide as an active catalyst for oxygen evolution reaction. Nanoscale, 2016, 8, 3244-3247.	2.8	135
79	Highly Active Ceria-Supported Ru Catalyst for the Dry Reforming of Methane: In Situ Identification of Ru^{Î´+}â€“Ce³⁺ Interactions for Enhanced Conversion. ACS Catalysis, 2019, 9, 3349-3359.	5.5	135
80	Gold-promoted structurally ordered intermetallic palladium cobalt nanoparticles for the oxygen reduction reaction. Nature Communications, 2014, 5, 5185.	5.8	134
81	Quasi-Covalently Coupled Niâ€“Cu Atomic Pair for Synergistic Electroreduction of CO₂. Journal of the American Chemical Society, 2022, 144, 9661-9671.	6.6	134
82	An Oxygenâ€Vacancyâ€Rich Semiconductorâ€Supported Bifunctional Catalyst for Efficient and Stable Zincâ€“Air Batteries. Advanced Materials, 2019, 31, e1806761.	11.1	133
83	Controlled Anisotropic Growth of Coâ€Feâ€P from Coâ€Feâ€O Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 9642-9645.	7.2	132
84	Synthesis and X-ray Characterization of Cobalt Phosphide (Co₂P) Nanorods for the Oxygen Reduction Reaction. ACS Nano, 2015, 9, 8108-8115.	7.3	132
85	Quaternary FeCoNiMn-Based Nanocarbon Electrocatalysts for Bifunctional Oxygen Reduction and Evolution: Promotional Role of Mn Doping in Stabilizing Carbon. ACS Catalysis, 2017, 7, 8386-8393.	5.5	131
86	Metal-organic frameworks derived platinum-cobalt bimetallic nanoparticles in nitrogen-doped hollow porous carbon capsules as a highly active and durable catalyst for oxygen reduction reaction. Applied Catalysis B: Environmental, 2018, 225, 496-503.	10.8	131
87	Lead-Free Cs₄CuSb₂Cl₁₂ Layered Double Perovskite Nanocrystals. Journal of the American Chemical Society, 2020, 142, 11927-11936.	6.6	131
88	Câ€“O bond activation using ultralow loading of noble metal catalysts on moderately reducible oxides. Nature Catalysis, 2020, 3, 446-453.	16.1	131
89	Nanovoid Incorporated Ir_{<i>x</i>}Cu Metallic Aerogels for Oxygen Evolution Reaction Catalysis. ACS Energy Letters, 2018, 3, 2038-2044.	8.8	129
90	Ag@Au Concave Cuboctahedra: A Unique Probe for Monitoring Au-Catalyzed Reduction and Oxidation Reactions by Surface-Enhanced Raman Spectroscopy. ACS Nano, 2016, 10, 2607-2616.	7.3	125

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91	Atomically Dispersed MnN₄ Catalysts <i>via</i> Environmentally Benign Aqueous Synthesis for Oxygen Reduction: Mechanistic Understanding of Activity and Stability Improvements. ACS Catalysis, 2020, 10, 10523-10534.	5.5	123
92	Sodiation Kinetics of Metal Oxide Conversion Electrodes: A Comparative Study with Lithiation. Nano Letters, 2015, 15, 5755-5763.	4.5	122
93	Engineering Atomically Dispersed FeN₄ Active Sites for CO₂ Electroreduction. Angewandte Chemie - International Edition, 2021, 60, 1022-1032.	7.2	121
94	Dynamically Unveiling Metalâ€“Nitrogen Coordination during Thermal Activation to Design Highâ€Efficient Atomically Dispersed CoN₄ Active Sites. Angewandte Chemie - International Edition, 2021, 60, 9516-9526.	7.2	119
95	Flexible Multiferroic Bulk Heterojunction with Giant Magnetoelectric Coupling <i>via</i> van der Waals Epitaxy. ACS Nano, 2017, 11, 6122-6130.	7.3	118
96	Porous Carbonâ€Hosted Atomically Dispersed Ironâ€“Nitrogen Moiety as Enhanced Electrocatalysts for Oxygen Reduction Reaction in a Wide Range of pH. Small, 2018, 14, e1703118.	5.2	117
97	A multifunctional hierarchical porous SiO2/GO membrane for high efficiency oil/water separation and dye removal. Carbon, 2020, 160, 88-97.	5.4	117
98	Tuning CO2 hydrogenation selectivity via metal-oxide interfacial sites. Journal of Catalysis, 2019, 374, 60-71.	3.1	115
99	Biaxial Strains Mediated Oxygen Reduction Electrocatalysis on Fenton Reaction Resistant L1₀â€PtZn Fuel Cell Cathode. Advanced Energy Materials, 2020, 10, 2000179.	10.2	112
100	3D polymer hydrogel for high-performance atomic iron-rich catalysts for oxygen reduction in acidic media. Applied Catalysis B: Environmental, 2017, 219, 629-639.	10.8	111
101	3d-Orbital Occupancy Regulated Ir-Co Atomic Pair Toward Superior Bifunctional Oxygen Electrocatalysis. ACS Catalysis, 2021, 11, 8837-8846.	5.5	110
102	Electrochemical performance of graphene nanosheets and ceramic composites as anodes for lithium batteries. Journal of Materials Chemistry, 2009, 19, 9063.	6.7	109
103	Bivalence Mn5O8 with hydroxylated interphase for high-voltage aqueous sodium-ion storage. Nature Communications, 2016, 7, 13370.	5.8	109
104	Single crystal cathodes enabling high-performance all-solid-state lithium-ion batteries. Energy Storage Materials, 2020, 30, 98-103.	9.5	109
105	Flexible Heteroepitaxy of CoFe₂O₄/Muscovite Bimorph with Large Magnetostriction. ACS Applied Materials & Interfaces, 2017, 9, 7297-7304.	4.0	108
106	Stabilizing CuPd Nanoparticles via CuPd Coupling to WO_{2.72} Nanorods in Electrochemical Oxidation of Formic Acid. Journal of the American Chemical Society, 2017, 139, 15191-15196.	6.6	106
107	Boosting CO2 reduction on Fe-N-C with sulfur incorporation: Synergistic electronic and structural engineering. Nano Energy, 2020, 68, 104384.	8.2	106
108	Active sites for tandem reactions of CO ₂ reduction and ethane dehydrogenation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8278-8283.	3.3	105

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109	Overcoming immiscibility toward bimetallic catalyst library. Science Advances, 2020, 6, eaaz6844.	4.7	105
110	Enhancement of the oxygen reduction on nitride stabilized pt-M (M=Fe, Co, and Ni) coreâ€“shell nanoparticle electrocatalysts. Nano Energy, 2015, 13, 442-449.	8.2	104
111	Ternary PtIrNi Catalysts for Efficient Electrochemical Ammonia Oxidation. ACS Catalysis, 2020, 10, 3945-3957.	5.5	104
112	Gallium Sulfideâ€“Singleâ€Walled Carbon Nanotube Composites: Highâ€Performance Anodes for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2014, 24, 5435-5442.	7.8	102
113	SO₂-Induced Selectivity Change in CO₂ Electroreduction. Journal of the American Chemical Society, 2019, 141, 9902-9909.	6.6	102
114	Direct-methane solid oxide fuel cells with hierarchically porous Ni-based anode deposited with nanocatalyst layer. Nano Energy, 2014, 10, 1-9.	8.2	100
115	Coupled s-p-d Exchange in Facet-Controlled Pd3Pb Tripods Enhances Oxygen Reduction Catalysis. CheM, 2018, 4, 359-371.	5.8	100
116	High-performance ammonia oxidation catalysts for anion-exchange membrane direct ammonia fuel cells. Energy and Environmental Science, 2021, 14, 1449-1460.	15.6	100
117	Dislocation nucleation facilitated by atomicÂsegregation. Nature Materials, 2018, 17, 56-63.	13.3	99
118	Phase evolution of conversion-type electrode for lithium ion batteries. Nature Communications, 2019, 10, 2224.	5.8	99
119	Transitions from Near-Surface to Interior Redox upon Lithiation in Conversion Electrode Materials. Nano Letters, 2015, 15, 1437-1444.	4.5	97
120	Advanced electron microscopy characterization of nanomaterials for catalysis. Green Energy and Environment, 2017, 2, 70-83.	4.7	97
121	LaTiO3/KTaO3 interfaces: A new two-dimensional electron gas system. APL Materials, 2015, 3, .	2.2	94
122	Single-Iron Site Catalysts with Self-Assembled Dual-size Architecture and Hierarchical Porosity for Proton-Exchange Membrane Fuel Cells. Applied Catalysis B: Environmental, 2020, 279, 119400.	10.8	94
123	A facile route to monodisperse MPd (M = Co or Cu) alloy nanoparticles and their catalysis for electrooxidation of formic acid. Nanoscale, 2014, 6, 6970-6973.	2.8	92
124	Sodiation <i>via</i> Heterogeneous Disproportionation in FeF₂ Electrodes for Sodium-Ion Batteries. ACS Nano, 2014, 8, 7251-7259.	7.3	89
125	Constructing Hierarchical Interfaces: TiO₂-Supported PtFeâ€“FeO_{<i>x</i>} Nanowires for Room Temperature CO Oxidation. Journal of the American Chemical Society, 2015, 137, 10156-10159.	6.6	86
126	Core/Shell Au/MnO Nanoparticles Prepared Through Controlled Oxidation of AuMn as an Electrocatalyst for Sensitive H₂O₂ Detection. Angewandte Chemie - International Edition, 2014, 53, 12508-12512.	7.2	84

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127	Harnessing strong metalâ€“support interactions via a reverse route. Nature Communications, 2020, 11, 3042.	5.8	84
128	Coreâ€“shell, hollow-structured iridiumâ€“nickel nitride nanoparticles for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2014, 2, 591-594.	5.2	83
129	Deep learning analysis on microscopic imaging in materials science. Materials Today Nano, 2020, 11, 100087.	2.3	82
130	WO<i>_x</i>â€Surface Decorated PtNi@Pt Dendritic Nanowires as Efficient pHâ€Universal Hydrogen Evolution Electrocatalysts. Advanced Energy Materials, 2021, 11, 2003192.	10.2	82
131	Highâ€Performance Airâ€Processed Polymerâ€“Fullerene Bulk Heterojunction Solar Cells. Advanced Functional Materials, 2009, 19, 3552-3559.	7.8	80
132	Scanning moirÃ© fringe imaging by scanning transmission electron microscopy. Ultramicroscopy, 2010, 110, 229-233.	0.8	80
133	Determination of Ti coordination from pre-edge peaks in Ti<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi></mml:math>-edge XANES. Physical Review B, 2007, 76, .	1.1	79
134	Enhancing Câ€“C Bond Scission for Efficient Ethanol Oxidation using PtIr Nanocube Electrocatalysts. ACS Catalysis, 2019, 9, 7618-7625.	5.5	79
135	High Performance Pt Monolayer Catalysts Produced via Core-Catalyzed Coating in Ethanol. ACS Catalysis, 2014, 4, 738-742.	5.5	78
136	Generalized Synthetic Strategy for Transition-Metal-Doped Brookite-Phase TiO₂ Nanorods. Journal of the American Chemical Society, 2019, 141, 16548-16552.	6.6	78
137	In Situ Transmission Electron Microscopy on Energyâ€Related Catalysis. Advanced Energy Materials, 2020, 10, 1902105.	10.2	78
138	Controlling the Growth of Si/Ge Nanowires and Heterojunctions Using Silverâ€“Gold Alloy Catalysts. ACS Nano, 2012, 6, 6407-6415.	7.3	77
139	Direct Observation of Defectâ€Aided Structural Evolution in a Nickelâ€Rich Layered Cathode. Angewandte Chemie - International Edition, 2020, 59, 22092-22099.	7.2	75
140	A Triphasic Bifunctional Oxygen Electrocatalyst with Tunable and Synergetic Interfacial Structure for Rechargeable Znâ€Air Batteries. Advanced Energy Materials, 2020, 10, 1903003.	10.2	74
141	Modulating the electronic structure of ultrathin layered double hydroxide nanosheets with fluorine: an efficient electrocatalyst for the oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 14483-14488.	5.2	73
142	Evaluation of Li2O as an efficient sintering aid for gadolinia-doped ceria electrolyte for solid oxide fuel cells. Journal of Power Sources, 2014, 261, 255-263.	4.0	72
143	A "trimurti" heterostructured hybrid with an intimate CoO/Co_xP interface as a robust bifunctional air electrode for rechargeable Znâ€“air batteries. Journal of Materials Chemistry A, 2020, 8, 9177-9184.	5.2	72
144	Supported and coordinated single metal site electrocatalysts. Materials Today, 2020, 37, 93-111.	8.3	71

#	Article	IF	Citations
145	Fe valence determination and Li elemental distribution in lithiated FeO0.7F1.3/C nanocomposite battery materials by electron energy loss spectroscopy (EELS). Micron, 2012, 43, 22-29.	1.1	70
146	Pt monolayer on Au-stabilized PdNi coreâ€“shell nanoparticles for oxygen reduction reaction. Electrochimica Acta, 2013, 110, 267-272.	2.6	70
147	A Highly Efficient Allâ€Solidâ€State Lithium/Electrolyte Interface Induced by an Energetic Reaction. Angewandte Chemie - International Edition, 2020, 59, 14003-14008.	7.2	70
148	Defectsâ€Induced Inâ€Plane Heterophase in Cobalt Oxide Nanosheets for Oxygen Evolution Reaction. Small, 2019, 15, e1904903.	5.2	69
149	In Situ Transmission Electron Microscopy for Energy Applications. Joule, 2019, 3, 4-8.	11.7	69
150	SiOC nanolayer wrapped 3D interconnected graphene sponge as a high-performance anode for lithium ion batteries. Journal of Materials Chemistry A, 2018, 6, 9064-9073.	5.2	68
151	Favorable Core/Shell Interface within Co₂P/Pt Nanorods for Oxygen Reduction Electrocatalysis. Nano Letters, 2018, 18, 7870-7875.	4.5	68
152	Determining the Resolution Limits of Electron-Beam Lithography: Direct Measurement of the Point-Spread Function. Nano Letters, 2014, 14, 4406-4412.	4.5	67
153	Kinetically-Driven Phase Transformation during Lithiation in Copper Sulfide Nanoflakes. Nano Letters, 2017, 17, 5726-5733.	4.5	67
154	Highly active subnanometer Rh clusters derived from Rh-doped SrTiO3 for CO2 reduction. Applied Catalysis B: Environmental, 2018, 237, 1003-1011.	10.8	67
155	Interface-Induced Polarization and Inhibition of Ferroelectricity in Epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>Si</mm Physical Review Letters, 2010, 105, 217601.	2.9	65
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