

# Hailiang Wang

## List of Publications by Citations

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149  
papers

41,684  
citations

69  
h-index

161  
g-index

161  
ext. papers

45,671  
ext. citations

13.9  
avg, IF

7.57  
L-index

#	Paper	IF	Citations
149	Co <sub>3</sub> O <sub>4</sub> nanocrystals on graphene as a synergistic catalyst for oxygen reduction reaction. <i>Nature Materials</i> , <b>2011</b> , 10, 780-6	27	4565
148	MoS <sub>2</sub> nanoparticles grown on graphene: an advanced catalyst for the hydrogen evolution reaction. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 7296-9	16.4	3995
147	An advanced Ni-Fe layered double hydroxide electrocatalyst for water oxidation. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 8452-5	16.4	2084
146	N-doping of graphene through electrothermal reactions with ammonia. <i>Science</i> , <b>2009</b> , 324, 768-71	33.3	1842
145	Graphene-wrapped sulfur particles as a rechargeable lithium-sulfur battery cathode material with high capacity and cycling stability. <i>Nano Letters</i> , <b>2011</b> , 11, 2644-7	11.5	1804
144	Mn <sub>3</sub> O <sub>4</sub> -graphene hybrid as a high-capacity anode material for lithium ion batteries. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 13978-80	16.4	1738
143	Ni(OH) <sub>2</sub> nanoplates grown on graphene as advanced electrochemical pseudocapacitor materials. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7472-7	16.4	1720
142	Ultrasmall reduced graphene oxide with high near-infrared absorbance for photothermal therapy. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6825-31	16.4	1658
141	Simultaneous nitrogen doping and reduction of graphene oxide. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 15939-44	16.4	1492
140	An oxygen reduction electrocatalyst based on carbon nanotube-graphene complexes. <i>Nature Nanotechnology</i> , <b>2012</b> , 7, 394-400	28.7	1407
139	Room-temperature all-semiconducting sub-10-nm graphene nanoribbon field-effect transistors. <i>Physical Review Letters</i> , <b>2008</b> , 100, 206803	7.4	1209
138	Covalent hybrid of spinel manganese-cobalt oxide and graphene as advanced oxygen reduction electrocatalysts. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 3517-23	16.4	1129
137	Advanced zinc-air batteries based on high-performance hybrid electrocatalysts. <i>Nature Communications</i> , <b>2013</b> , 4, 1805	17.4	845
136	Strongly coupled inorganic/nanocarbon hybrid materials for advanced electrocatalysis. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2013-36	16.4	771
135	Solvothermal reduction of chemically exfoliated graphene sheets. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9910-1	16.4	744
134	Strongly coupled inorganic-nano-carbon hybrid materials for energy storage. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 3088-113	58.5	707
133	Oxygen reduction electrocatalyst based on strongly coupled cobalt oxide nanocrystals and carbon nanotubes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15849-57	16.4	694

132	Facile synthesis of high-quality graphene nanoribbons. <i>Nature Nanotechnology</i> , <b>2010</b> , 5, 321-5	28.7	671
131	TiO <sub>2</sub> nanocrystals grown on graphene as advanced photocatalytic hybrid materials. <i>Nano Research</i> , <b>2010</b> , 3, 701-705	10	646
130	Nanocrystal growth on graphene with various degrees of oxidation. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 3270-1	16.4	471
129	Highly selective and active CO reduction electrocatalysts based on cobalt phthalocyanine/carbon nanotube hybrid structures. <i>Nature Communications</i> , <b>2017</b> , 8, 14675	17.4	436
128	In Operando X-ray diffraction and transmission X-ray microscopy of lithium sulfur batteries. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 6337-43	16.4	428
127	High Performance In Vivo Near-IR (>1 $\mu$ m) Imaging and Photothermal Cancer Therapy with Carbon Nanotubes. <i>Nano Research</i> , <b>2010</b> , 3, 779-793	10	423
126	Co(1-x)S-graphene hybrid: a high-performance metal chalcogenide electrocatalyst for oxygen reduction. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 10969-72	16.4	394
125	Rechargeable LiO <sub>2</sub> batteries with a covalently coupled MnCo <sub>2</sub> O <sub>4</sub> /graphene hybrid as an oxygen cathode catalyst. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7931	35.4	372
124	A highly active and stable hydrogen evolution catalyst based on pyrite-structured cobalt phosphosulfide. <i>Nature Communications</i> , <b>2016</b> , 7, 10771	17.4	363
123	Advanced asymmetrical supercapacitors based on graphene hybrid materials. <i>Nano Research</i> , <b>2011</b> , 4, 729-736	10	349
122	Active sites of copper-complex catalytic materials for electrochemical carbon dioxide reduction. <i>Nature Communications</i> , <b>2018</b> , 9, 415	17.4	338
121	Electrochemical CO <sub>2</sub> Reduction to Hydrocarbons on a Heterogeneous Molecular Cu Catalyst in Aqueous Solution. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8076-9	16.4	329
120	Domino electroreduction of CO to methanol on a molecular catalyst. <i>Nature</i> , <b>2019</b> , 575, 639-642	50.4	328
119	Single-Crystalline Ultrathin Co <sub>3</sub> O <sub>4</sub> Nanosheets with Massive Vacancy Defects for Enhanced Electrocatalysis. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701694	21.8	322
118	An ultrafast nickel-iron battery from strongly coupled inorganic nanoparticle/nanocarbon hybrid materials. <i>Nature Communications</i> , <b>2012</b> , 3, 917	17.4	301
117	Surface Chemistry in Cobalt Phosphide-Stabilized Lithium-Sulfur Batteries. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 1455-1459	16.4	294
116	LiMn(1-x)Fe(x)PO <sub>4</sub> nanorods grown on graphene sheets for ultrahigh-rate-performance lithium ion batteries. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7364-8	16.4	248
115	Ultrafast high-capacity NiZn battery with NiAlCo-layered double hydroxide. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 2025	35.4	224

114	Ternary Hybrid Material for High-Performance Lithium-Sulfur Battery. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12946-53	16.4	215
113	Plasmonic substrates for multiplexed protein microarrays with femtomolar sensitivity and broad dynamic range. <i>Nature Communications</i> , <b>2011</b> , 2, 466	17.4	196
112	Metal/Oxide Interface Nanostructures Generated by Surface Segregation for Electrocatalysis. <i>Nano Letters</i> , <b>2015</b> , 15, 7704-10	11.5	186
111	Controlled chlorine plasma reaction for noninvasive graphene doping. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 19668-71	16.4	186
110	Introducing Fe into Nickel-Iron Layered Double Hydroxide: Local Structure Modulated Water Oxidation Activity. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9392-9396	16.4	181
109	Iron-Doped Cobalt Monophosphide Nanosheet/Carbon Nanotube Hybrids as Active and Stable Electrocatalysts for Water Splitting. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606635	15.6	175
108	Graphene nanoribbons with smooth edges behave as quantum wires. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 563-7	28.7	173
107	Single microwire transistors of oligoarenes by direct solution process. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 12386-7	16.4	163
106	Molecular engineering of dispersed nickel phthalocyanines on carbon nanotubes for selective CO <sub>2</sub> reduction. <i>Nature Energy</i> , <b>2020</b> , 5, 684-692	62.3	151
105	Graphene nanoribbons from unzipped carbon nanotubes: atomic structures, Raman spectroscopy, and electrical properties. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 10394-7	16.4	149
104	High-capacity rechargeable batteries based on deeply cyclable lithium metal anodes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 5676-5680	11.5	144
103	One-Step Synthesis of MoS <sub>2</sub> /WS <sub>2</sub> Layered Heterostructures and Catalytic Activity of Defective Transition Metal Dichalcogenide Films. <i>ACS Nano</i> , <b>2016</b> , 10, 2004-9	16.7	135
102	Functional metal-organic framework boosting lithium metal anode performance chemical interactions. <i>Chemical Science</i> , <b>2017</b> , 8, 4285-4291	9.4	130
101	Electroreduction of CO Catalyzed by a Heterogenized Zn-Porphyrin Complex with a Redox-Innocent Metal Center. <i>ACS Central Science</i> , <b>2017</b> , 3, 847-852	16.8	130
100	Electrocatalysis in Lithium Sulfur Batteries under Lean Electrolyte Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15549-15552	16.4	130
99	Strong Metal-Phosphide Interactions in Core-Shell Geometry for Enhanced Electrocatalysis. <i>Nano Letters</i> , <b>2017</b> , 17, 2057-2063	11.5	121
98	The Tunable and Highly Selective Reduction Products on Ag@Cu Bimetallic Catalysts Toward CO <sub>2</sub> Electrochemical Reduction Reaction. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 11368-11379	3.8	111
97	Phosphorus oxoanion-intercalated layered double hydroxides for high-performance oxygen evolution. <i>Nano Research</i> , <b>2017</b> , 10, 1732-1739	10	103

96	Self-Cleaning Catalyst Electrodes for Stabilized CO Reduction to Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13135-13139	16.4	102
95	Metal-enhanced fluorescence of carbon nanotubes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 15920-3	16.4	100
94	High-Performance Sodium Metal Anodes Enabled by a Bifunctional Potassium Salt. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9069-9072	16.4	98
93	Engineering manganese oxide/nanocarbon hybrid materials for oxygen reduction electrocatalysis. <i>Nano Research</i> , <b>2012</b> , 5, 718-725	10	95
92	High-performance LiS battery cathode with catalyst-like carbon nanotube-MoP promoting polysulfide redox. <i>Nano Research</i> , <b>2017</b> , 10, 3698-3705	10	95
91	Controlled Synthesis of Ag <sub>2</sub> S, Ag <sub>2</sub> Se, and Ag Nanofibers by Using a General Sacrificial Template and Their Application in Electronic Device Fabrication. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 1249-1258	15.6	93
90	LiMn <sub>1-x</sub> FexPO <sub>4</sub> Nanorods Grown on Graphene Sheets for Ultrahigh-Rate-Performance Lithium Ion Batteries. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 7502-7506	3.6	86
89	Influence of size-induced oxidation state of platinum nanoparticles on selectivity and activity in catalytic methanol oxidation in the gas phase. <i>Nano Letters</i> , <b>2013</b> , 13, 2976-9	11.5	83
88	Co <sub>1-x</sub> Sn <sub>x</sub> Graphene Hybrid: A High-Performance Metal Chalcogenide Electrocatalyst for Oxygen Reduction. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11161-11164	3.6	79
87	Ultrathin dendrimer-graphene oxide composite film for stable cycling lithium-sulfur batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 3578-3583	11.5	78
86	Chemical self-assembly of graphene sheets. <i>Nano Research</i> , <b>2009</b> , 2, 336-342	10	78
85	Materials Chemistry of Iron Phosphosulfide Nanoparticles: Synthesis, Solid State Chemistry, Surface Structure, and Electrocatalysis for the Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4026-4032	13.1	73
84	Three-dimensional imaging of single nanotube molecule endocytosis on plasmonic substrates. <i>Nature Communications</i> , <b>2012</b> , 3, 700	17.4	72
83	Near-infrared-fluorescence-enhanced molecular imaging of live cells on gold substrates. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4644-8	16.4	72
82	A new approach to solution-phase gold seeding for SERS substrates. <i>Small</i> , <b>2011</b> , 7, 499-505	11	71
81	Element-Specific Restructuring of Anion- and Cation-Substituted Cobalt Phosphide Nanoparticles under Electrochemical Water-Splitting Conditions. <i>ACS Catalysis</i> , <b>2019</b> , 9, 2956-2961	13.1	70
80	Synthesis of Crystalline Black Phosphorus Thin Film on Sapphire. <i>Advanced Materials</i> , <b>2018</b> , 30, 1703748	24	67
79	Integrating Rh Species with NiFe-Layered Double Hydroxide for Overall Water Splitting. <i>Nano Letters</i> , <b>2020</b> , 20, 136-144	11.5	67

78	Mechanistic Insights into Surface Chemical Interactions between Lithium Polysulfides and Transition Metal Oxides. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 14222-14227	3.8	64
77	High-Performance Electrochemical CO <sub>2</sub> Reduction Cells Based on Non-noble Metal Catalysts. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2527-2532	20.1	62
76	Introducing Fe <sup>2+</sup> into Nickel-Iron Layered Double Hydroxide: Local Structure Modulated Water Oxidation Activity. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9536-9540	3.6	61
75	Enhancing far-field thermal emission with thermal extraction. <i>Nature Communications</i> , <b>2013</b> , 4, 1730	17.4	60
74	Elucidating Surface Restructuring-Induced Catalytic Reactivity of Cobalt Phosphide Nanoparticles under Electrochemical Conditions. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 2848-2853	3.8	55
73	Coupled Metal/Oxide Catalysts with Tunable Product Selectivity for Electrocatalytic CO Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28519-28526	9.5	55
72	Selectivity regulation of CO <sub>2</sub> electroreduction through contact interface engineering on superwetting Cu nanoarray electrodes. <i>Nano Research</i> , <b>2019</b> , 12, 345-349	10	55
71	Electrocatalysis in Lithium Sulfur Batteries under Lean Electrolyte Conditions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15775-15778	3.6	55
70	Revealing the Contribution of Individual Factors to Hydrogen Evolution Reaction Catalytic Activity. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706076	24	54
69	Quasi-graphene-envelope Fe-doped Ni <sub>2</sub> P sandwiched nanocomposites for enhanced water splitting and lithium storage performance. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9587-9594	13	53
68	Dramatically different kinetics and mechanism at solid/liquid and solid/gas interfaces for catalytic isopropanol oxidation over size-controlled platinum nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10515-20	16.4	52
67	In Situ Observation of the pH Gradient near the Gas Diffusion Electrode of CO Reduction in Alkaline Electrolyte. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 15438-15444	16.4	52
66	Graphite-coated magnetic nanoparticle microarray for few-cells enrichment and detection. <i>ACS Nano</i> , <b>2012</b> , 6, 1094-101	16.7	50
65	Room-temperature edge functionalization and doping of graphene by mild plasma. <i>Small</i> , <b>2011</b> , 7, 574-711		50
64	Hierarchy of electronic properties of chemically derived and pristine graphene probed by microwave imaging. <i>Nano Letters</i> , <b>2009</b> , 9, 3762-5	11.5	50
63	Unlocking Bifunctional Electrocatalytic Activity for CO <sub>2</sub> Reduction Reaction by Win-Win Metal-Oxide Cooperation. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2816-2822	20.1	45
62	Spectroscopic understanding of ultra-high rate performance for LiMn <sub>0.75</sub> Fe <sub>0.25</sub> PO <sub>4</sub> nanorods-graphene hybrid in lithium ion battery. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 9578-81	3.6	43
61	RNA-Seq analysis of salinity stress-responsive transcriptome in the liver of spotted sea bass ( <i>Lateolabrax maculatus</i> ). <i>PLoS ONE</i> , <b>2017</b> , 12, e0173238	3.7	42

60	Amorphous CoMoB ultrathin films with low-temperature sulfurization as high-performance electrocatalysts for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13731-13735	13.5	41
59	High-Performance Sodium Metal Anodes Enabled by a Bifunctional Potassium Salt. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9207-9210	3.6	40
58	Comparing the catalytic oxidation of ethanol at the solid-gas and solid-liquid interfaces over size-controlled Pt nanoparticles: striking differences in kinetics and mechanism. <i>Nano Letters</i> , <b>2014</b> , 14, 6727-30	11.5	38
57	An Integrated CO Electrolyzer and Formate Fuel Cell Enabled by a Reversibly Restructuring Pb-Pd Bimetallic Catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4031-4035	16.4	37
56	Multiplexed cytokine detection on plasmonic gold substrates with enhanced near-infrared fluorescence. <i>Nano Research</i> , <b>2013</b> , 6, 113-120	10	36
55	Activating Copper for Electrocatalytic CO <sub>2</sub> Reduction to Formate via Molecular Interactions. <i>ACS Catalysis</i> , <b>2020</b> , 10, 9271-9275	13.1	36
54	Solvent Molecule Cooperation Enhancing Lithium Metal Battery Performance at Both Electrodes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7797-7802	16.4	36
53	Ferrocene-Promoted Long-Cycle Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14818-14822	16.4	34
52	Cycling and Failing of Lithium Metal Anodes in Carbonate Electrolyte. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 21462-21467	3.8	34
51	A Highly Efficient All-Solid-State Lithium/Electrolyte Interface Induced by an Energetic Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14003-14008	16.4	33
50	Metal Organic Framework Derivative Improving Lithium Metal Anode Cycling. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907579	15.6	33
49	Copper-Gold Interactions Enhancing Formate Production from Electrochemical CO <sub>2</sub> Reduction. <i>ACS Catalysis</i> , <b>2019</b> , 9, 10894-10898	13.1	33
48	CO doping of organic interlayers for perovskite solar cells. <i>Nature</i> , <b>2021</b> , 594, 51-56	50.4	31
47	Sulfur and selenium doped nickel chalcogenides as efficient and stable electrocatalysts for hydrogen evolution reaction: The importance of the dopant atoms in and beneath the surface. <i>Nano Energy</i> , <b>2020</b> , 74, 104787	17.1	31
46	Imaging state of charge and its correlation to interaction variation in an LiMn(0.75)Fe(0.25)PO(4) nanorods-graphene hybrid. <i>Chemical Communications</i> , <b>2013</b> , 49, 1765-7	5.8	30
45	Direct electrosynthesis of methylamine from carbon dioxide and nitrate. <i>Nature Sustainability</i> , <b>2021</b> , 4, 725-730	22.1	30
44	Unveiling the Interfacial Effects for Enhanced Hydrogen Evolution Reaction on MoS <sub>2</sub> /WTe <sub>2</sub> Hybrid Structures. <i>Small</i> , <b>2019</b> , 15, e1900078	11	27
43	Effects of Nanoparticle Size and Metal/Support Interactions in Pt-Catalyzed Methanol Oxidation Reactions in Gas and Liquid Phases. <i>Catalysis Letters</i> , <b>2014</b> , 144, 1930-1938	2.8	26

42	A switchable pH-differential unitized regenerative fuel cell with high performance. <i>Journal of Power Sources</i> , <b>2016</b> , 314, 76-84	8.9	24
41	A bio-inspired O <sub>2</sub> -tolerant catalytic CO <sub>2</sub> reduction electrode. <i>Science Bulletin</i> , <b>2019</b> , 64, 1890-1895	10.6	22
40	Self-Cleaning Catalyst Electrodes for Stabilized CO <sub>2</sub> Reduction to Hydrocarbons. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13315-13319	3.6	22
39	High Performance Metal Oxide-Graphene Hybrid Nanomaterials Synthesized via Opposite-Polarity Electrospays. <i>Advanced Materials</i> , <b>2016</b> , 28, 10298-10303	24	21
38	Unusual Stability of a Bacteriochlorin Electrocatalyst under Reductive Conditions. A Case Study on CO <sub>2</sub> Conversion to CO. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10131-10136	13.1	21
37	Hydrogen on Cobalt Phosphide. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15390-15402	16.4	20
36	Influence of surface capping on oxygen reduction catalysis: A case study of 1.7 nm Pt nanoparticles. <i>Surface Science</i> , <b>2016</b> , 648, 120-125	1.8	20
35	Formation and Evolution of Lithium Metal Anode/Carbonate Electrolyte Interphases <b>2019</b> , 1, 254-259		20
34	Solid solution nitride/carbon nanotube hybrids enhance electrocatalysis of oxygen in zinc-air batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 15, 380-387	19.4	20
33	A Targeted Functional Design for Highly Efficient and Stable Cathodes for Rechargeable Li-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604903	15.6	19
32	A pomegranate-structured sulfur cathode material with triple confinement of lithium polysulfides for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11788-11793	13	18
31	Promotion of Hydrogenation of Organic Molecules by Incorporating Iron into Platinum Nanoparticle Catalysts: Displacement of Inactive Reaction Intermediates. <i>ACS Catalysis</i> , <b>2013</b> , 3, 2371-2375	12.1	18
30	Heterogeneous Molecular Catalysts of Metal Phthalocyanines for Electrochemical CO Reduction Reactions. <i>Accounts of Chemical Research</i> , <b>2021</b> ,	24.3	18
29	An advanced zinc air battery with nanostructured superwetting electrodes. <i>Energy Storage Materials</i> , <b>2019</b> , 17, 358-365	19.4	16
28	Inorganic/polymer hybrid layer stabilizing anode/electrolyte interfaces in solid-state Li metal batteries. <i>Nano Research</i> , <b>2020</b> , 13, 3230-3234	10	16
27	Structure and Electrocatalytic Reactivity of Cobalt Phosphosulfide Nanomaterials. <i>Topics in Catalysis</i> , <b>2018</b> , 61, 958-964	2.3	16
26	Bifunctional electrocatalysis for CO reduction via surface capping-dependent metal-oxide interactions. <i>Chemical Communications</i> , <b>2019</b> , 55, 8864-8867	5.8	14
25	Controlled nanoparticle synthesis via opposite-polarity electrospay pyrolysis. <i>Journal of Aerosol Science</i> , <b>2017</b> , 113, 201-211	4.3	14



24	Molecular Orientations Change Reaction Kinetics and Mechanism: A Review on Catalytic Alcohol Oxidation in Gas Phase and Liquid Phase on Size-Controlled Pt Nanoparticles. <i>Catalysts</i> , <b>2018</b> , 8, 226	4	12
23	Mobility on the reconstructed Pt(100)-hex surface in ethylene and in its mixture with hydrogen and carbon monoxide. <i>Chemical Communications</i> , <b>2013</b> , 49, 6903-5	5.8	12
22	Accessing Organonitrogen Compounds via C-N Coupling in Electrocatalytic CO Reduction. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 19630-19642	16.4	12
21	Ferrocene-Promoted Long-Cycle Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 15038-15042	3.6	11
20	Mechanistic Insights into Fast Charging and Discharging of the Sodium Metal Battery Anode: A Comparison with Lithium. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 13929-13936	16.4	11
19	Cascade electrocatalytic reduction of carbon dioxide and nitrate to ethylamine. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 65, 367-370	12	11
18	Acid-Base Interaction Enhancing Oxygen Tolerance in Electrocatalytic Carbon Dioxide Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10918-10923	16.4	9
17	Recovery of Pt Surfaces for Ethylene Hydrogenation-Based Active Site Determination. <i>Catalysis Letters</i> , <b>2014</b> , 144, 1151-1158	2.8	9
16	Near-Unity Molecular Doping Efficiency in Monolayer MoS <sub>2</sub> . <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2000873	8.73	9
15	Heterogeneous Nature of Electrocatalytic CO/CO Reduction by Cobalt Phthalocyanines. <i>ChemSusChem</i> , <b>2020</b> , 13, 6296-6299	8.3	8
14	An Integrated CO <sub>2</sub> Electrolyzer and Formate Fuel Cell Enabled by a Reversibly Restructuring Pb-Bi Bimetallic Catalyst. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4071-4075	3.6	8
13	Synthesis and resistivity of topological metal MoP nanostructures. <i>APL Materials</i> , <b>2020</b> , 8, 011103	5.7	7
12	Surprisingly big linker-dependence of activity and selectivity in CO reduction by an iridium(i) pincer complex. <i>Chemical Communications</i> , <b>2020</b> , 56, 9126-9129	5.8	6
11	Electrochemical Reductive N-Methylation with CO Enabled by a Molecular Catalyst. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 19983-19991	16.4	6
10	Intrinsically high efficiency sodium metal anode. <i>Science China Chemistry</i> , <b>2020</b> , 63, 1557-1562	7.9	6
9	Surface oxidation of transition metal sulfide and phosphide nanomaterials. <i>Nano Research</i> , <b>2020</b> , 14, 2264	10	5
8	Solvent Molecule Cooperation Enhancing Lithium Metal Battery Performance at Both Electrodes. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7871-7876	3.6	4
7	Hybrid material design for energy applications: impact of graphene and carbon nanotubes. <i>Pure and Applied Chemistry</i> , <b>2014</b> , 86, 39-52	2.1	4

6	Near-Infrared-Fluorescence-Enhanced Molecular Imaging of Live Cells on Gold Substrates. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 4740-4744	3.6	4
5	AcidBase Interaction Enhancing Oxygen Tolerance in Electrocatalytic Carbon Dioxide Reduction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 11010-11015	3.6	2
4	Pb <sub>3</sub> (CO <sub>3</sub> ) <sub>2</sub> (OH) <sub>2</sub> Is an Active Phase in Electrocatalytic CO <sub>2</sub> Reduction to Formate. <i>Chemical Research in Chinese Universities</i> , <b>2020</b> , 36, 1145-1146	2.2	1
3	A Highly Efficient All-Solid-State Lithium/Electrolyte Interface Induced by an Energetic Reaction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14107-14112	3.6	1
2	Discovering and Utilizing Structure Sensitivity: From Chemical Catalysis in the Gas Phase to Electrocatalysis in the Liquid Phase. <i>Studies in Surface Science and Catalysis</i> , <b>2017</b> , 177, 613-641	1.8	1
1	In situ photogalvanic acceleration of optofluidic kinetics: a new paradigm for advanced photocatalytic technologies. <i>RSC Advances</i> , <b>2015</b> , 5, 791-796	3.7	1