

# Yao Zheng

## List of Publications by Citations

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135  
papers

28,820  
citations

72  
h-index

148  
g-index

148  
ext. papers

34,413  
ext. citations

14.5  
avg, IF

7.89  
L-index

#	Paper	IF	Citations
135	Design of electrocatalysts for oxygen- and hydrogen-involving energy conversion reactions. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 2060-86	58.5	3275
134	Hydrogen evolution by a metal-free electrocatalyst. <i>Nature Communications</i> , <b>2014</b> , 5, 3783	17.4	1572
133	Graphitic carbon nitride materials: controllable synthesis and applications in fuel cells and photocatalysis. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6717	35.4	1385
132	Advancing the electrochemistry of the hydrogen-evolution reaction through combining experiment and theory. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 52-65	16.4	1282
131	Emerging Two-Dimensional Nanomaterials for Electrocatalysis. <i>Chemical Reviews</i> , <b>2018</b> , 118, 6337-6408	68.1	1057
130	Nanoporous graphitic-C <sub>3</sub> N <sub>4</sub> @carbon metal-free electrocatalysts for highly efficient oxygen reduction. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20116-9	16.4	869
129	Molecule-Level g-CN Coordinated Transition Metals as a New Class of Electrocatalysts for Oxygen Electrode Reactions. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3336-3339	16.4	816
128	Toward design of synergistically active carbon-based catalysts for electrocatalytic hydrogen evolution. <i>ACS Nano</i> , <b>2014</b> , 8, 5290-6	16.7	802
127	Origin of the electrocatalytic oxygen reduction activity of graphene-based catalysts: a roadmap to achieve the best performance. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4394-403	16.4	794
126	Two-step boron and nitrogen doping in graphene for enhanced synergistic catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3110-6	16.4	776
125	Activity origin and catalyst design principles for electrocatalytic hydrogen evolution on heteroatom-doped graphene. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	703
124	Surface and Interface Engineering of Noble-Metal-Free Electrocatalysts for Efficient Energy Conversion Processes. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 915-923	24.3	672
123	The Hydrogen Evolution Reaction in Alkaline Solution: From Theory, Single Crystal Models, to Practical Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7568-7579	16.4	659
122	High Electrocatalytic Hydrogen Evolution Activity of an Anomalous Ruthenium Catalyst. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 16174-16181	16.4	586
121	Facile oxygen reduction on a three-dimensionally ordered macroporous graphitic C <sub>3</sub> N <sub>4</sub> /carbon composite electrocatalyst. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3892-6	16.4	549
120	Nanostructured metal-free electrochemical catalysts for highly efficient oxygen reduction. <i>Small</i> , <b>2012</b> , 8, 3550-66	11	518
119	Graphene oxide-polydopamine derived N, S-codoped carbon nanosheets as superior bifunctional electrocatalysts for oxygen reduction and evolution. <i>Nano Energy</i> , <b>2016</b> , 19, 373-381	17.1	499

118	Engineering surface atomic structure of single-crystal cobalt (II) oxide nanorods for superior electrocatalysis. <i>Nature Communications</i> , <b>2016</b> , 7, 12876	17.4	471
117	Observation of active sites for oxygen reduction reaction on nitrogen-doped multilayer graphene. <i>ACS Nano</i> , <b>2014</b> , 8, 6856-62	16.7	445
116	Building Up a Picture of the Electrocatalytic Nitrogen Reduction Activity of Transition Metal Single-Atom Catalysts. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 9664-9672	16.4	390
115	Surface and Interface Engineering in Copper-Based Bimetallic Materials for Selective CO <sub>2</sub> Electroreduction. <i>CheM</i> , <b>2018</b> , 4, 1809-1831	16.2	372
114	Understanding the Roadmap for Electrochemical Reduction of CO to Multi-Carbon Oxygenates and Hydrocarbons on Copper-Based Catalysts. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7646-7659	16.4	371
113	Molecular Scaffolding Strategy with Synergistic Active Centers To Facilitate Electrocatalytic CO Reduction to Hydrocarbon/Alcohol. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18093-18100	16.4	341
112	Two-Step Boron and Nitrogen Doping in Graphene for Enhanced Synergistic Catalysis. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3192-3198	3.6	332
111	Two-Dimensional Mosaic Bismuth Nanosheets for Highly Selective Ambient Electrocatalytic Nitrogen Reduction. <i>ACS Catalysis</i> , <b>2019</b> , 9, 2902-2908	13.1	329
110	Determination of the Electron Transfer Number for the Oxygen Reduction Reaction: From Theory to Experiment. <i>ACS Catalysis</i> , <b>2016</b> , 6, 4720-4728	13.1	327
109	Activating cobalt(II) oxide nanorods for efficient electrocatalysis by strain engineering. <i>Nature Communications</i> , <b>2017</b> , 8, 1509	17.4	276
108	Promotion of Electrocatalytic Hydrogen Evolution Reaction on Nitrogen-Doped Carbon Nanosheets with Secondary Heteroatoms. <i>ACS Nano</i> , <b>2017</b> , 11, 7293-7300	16.7	271
107	Transition-Metal-Doped RuIr Bifunctional Nanocrystals for Overall Water Splitting in Acidic Environments. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900510	24	261
106	Nitrogen Vacancies on 2D Layered W N : A Stable and Efficient Active Site for Nitrogen Reduction Reaction. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902709	24	258
105	Polydopamine-Inspired, Dual Heteroatom-Doped Carbon Nanotubes for Highly Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602068	21.8	256
104	Engineering High-Energy Interfacial Structures for High-Performance Oxygen-Involving Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8539-8543	16.4	254
103	Carbon Solving Carbon's Problems: Recent Progress of Nanostructured Carbon-Based Catalysts for the Electrochemical Reduction of CO <sub>2</sub> . <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700759	21.8	250
102	Self-Supported Earth-Abundant Nanoarrays as Efficient and Robust Electrocatalysts for Energy-Related Reactions. <i>ACS Catalysis</i> , <b>2018</b> , 8, 6707-6732	13.1	240
101	Recent Advances in Atomic Metal Doping of Carbon-based Nanomaterials for Energy Conversion. <i>Small</i> , <b>2017</b> , 13, 1700191	11	235

100	Mesoporous hybrid material composed of Mn <sub>3</sub> O <sub>4</sub> nanoparticles on nitrogen-doped graphene for highly efficient oxygen reduction reaction. <i>Chemical Communications</i> , <b>2013</b> , 49, 7705-7	5.8	226
99	Engineering of Carbon-Based Electrocatalysts for Emerging Energy Conversion: From Fundamentality to Functionality. <i>Advanced Materials</i> , <b>2015</b> , 27, 5372-8	24	216
98	Charge-Redistribution-Enhanced Nanocrystalline Ru@IrO <sub>x</sub> Electrocatalysts for Oxygen Evolution in Acidic Media. <i>CheM</i> , <b>2019</b> , 5, 445-459	16.2	205
97	Mesoporous MnCo <sub>2</sub> O <sub>4</sub> with abundant oxygen vacancy defects as high-performance oxygen reduction catalysts. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 8676-8682	13	196
96	Heteroatom-Doped Transition Metal Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 805-810	20.1	188
95	Single-Crystal Nitrogen-Rich Two-Dimensional MoN Nanosheets for Efficient and Stable Seawater Splitting. <i>ACS Nano</i> , <b>2018</b> , 12, 12761-12769	16.7	171
94	Electronic and Structural Engineering of Carbon-Based Metal-Free Electrocatalysts for Water Splitting. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803625	24	163
93	Strategies for design of electrocatalysts for hydrogen evolution under alkaline conditions. <i>Materials Today</i> , <b>2020</b> , 36, 125-138	21.8	152
92	NiO as a Bifunctional Promoter for RuO toward Superior Overall Water Splitting. <i>Small</i> , <b>2018</b> , 14, e1704073	17.3	147
91	Facile Oxygen Reduction on a Three-Dimensionally Ordered Macroporous Graphitic C <sub>3</sub> N <sub>4</sub> /Carbon Composite Electrocatalyst. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3958-3962	3.6	146
90	A new symmetric solid-oxide fuel cell with La <sub>0.8</sub> Sr <sub>0.2</sub> Sc <sub>0.2</sub> Mn <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> perovskite oxide as both the anode and cathode. <i>Acta Materialia</i> , <b>2009</b> , 57, 1165-1175	8.4	140
89	Charge State Manipulation of Cobalt Selenide Catalyst for Overall Seawater Electrolysis. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801926	21.8	140
88	Evaluation of Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> as a potential cathode for an anode-supported proton-conducting solid-oxide fuel cell. <i>Journal of Power Sources</i> , <b>2008</b> , 180, 15-22	8.9	138
87	Elektrochemie der Wasserstoffentwicklungsreaktion: Optimierung durch Korrelation von Experiment und Theorie. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 52-66	3.6	137
86	Tailoring Acidic Oxygen Reduction Selectivity on Single-Atom Catalysts via Modification of First and Second Coordination Spheres. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 7819-7827	16.4	126
85	Constructing tunable dual active sites on two-dimensional C <sub>3</sub> N <sub>4</sub> @MoN hybrid for electrocatalytic hydrogen evolution. <i>Nano Energy</i> , <b>2018</b> , 53, 690-697	17.1	126
84	Strain Effect in Bimetallic Electrocatalysts in the Hydrogen Evolution Reaction. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 1198-1204	20.1	124
83	Regulating Electrocatalysts via Surface and Interface Engineering for Acidic Water Electrooxidation. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2719-2730	20.1	124

82	Anomalous hydrogen evolution behavior in high-pH environment induced by locally generated hydronium ions. <i>Nature Communications</i> , <b>2019</b> , 10, 4876	17.4	118
81	Facile fabrication of core-shell-structured Ag@carbon and mesoporous yolk-shell-structured Ag@carbon@silica by an extended StBer method. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 6942-5	4.8	115
80	Tailoring Selectivity of Electrochemical Hydrogen Peroxide Generation by Tunable Pyrrolic-Nitrogen-Carbon. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000789	21.8	108
79	Selectivity Control for Electrochemical CO <sub>2</sub> Reduction by Charge Redistribution on the Surface of Copper Alloys. <i>ACS Catalysis</i> , <b>2019</b> , 9, 9411-9417	13.1	106
78	Engineering 2D Metal-Organic Framework/MoS Interface for Enhanced Alkaline Hydrogen Evolution. <i>Small</i> , <b>2019</b> , 15, e1805511	11	105
77	Electrochemical Nitrogen Reduction: Identification and Elimination of Contamination in Electrolyte. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2111-2116	20.1	100
76	Short-Range Ordered Iridium Single Atoms Integrated into Cobalt Oxide Spinel Structure for Highly Efficient Electrocatalytic Water Oxidation. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 5201-5211	16.4	98
75	Polydopamine-graphene oxide derived mesoporous carbon nanosheets for enhanced oxygen reduction. <i>Nanoscale</i> , <b>2015</b> , 7, 12598-605	7.7	96
74	Identification of pH-dependent synergy on Ru/MoS interface: a comparison of alkaline and acidic hydrogen evolution. <i>Nanoscale</i> , <b>2017</b> , 9, 16616-16621	7.7	95
73	Intermediate Modulation on Noble Metal Hybridized to 2D Metal-Organic Framework for Accelerated Water Electrocatalysis. <i>Chem</i> , <b>2019</b> , 5, 2429-2441	16.2	95
72	Electrocatalytic Refinery for Sustainable Production of Fuels and Chemicals. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19572-19590	16.4	93
71	Significant Enhancement of Water Splitting Activity of N-Carbon Electrocatalyst by Trace Level Co Doping. <i>Small</i> , <b>2016</b> , 12, 3703-11	11	93
70	Free-standing single-crystalline NiFe-hydroxide nanoflake arrays: a self-activated and robust electrocatalyst for oxygen evolution. <i>Chemical Communications</i> , <b>2018</b> , 54, 463-466	5.8	91
69	The Crucial Role of Charge Accumulation and Spin Polarization in Activating Carbon-Based Catalysts for Electrocatalytic Nitrogen Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4525-4531	16.4	88
68	Enhanced electrochemical catalytic activity by copper oxide grown on nitrogen-doped reduced graphene oxide. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13179	13	87
67	A computational study on Pt and Ru dimers supported on graphene for the hydrogen evolution reaction: new insight into the alkaline mechanism. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3648-3654	13	86
66	A 2D metal-organic framework/Ni(OH) heterostructure for an enhanced oxygen evolution reaction. <i>Nanoscale</i> , <b>2019</b> , 11, 3599-3605	7.7	86
65	Isolated Boron Sites for Electroreduction of Dinitrogen to Ammonia. <i>ACS Catalysis</i> , <b>2020</b> , 10, 1847-1854	13.1	82

64	Polydopamine-inspired nanomaterials for energy conversion and storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21827-21846	13	74
63	Molten Salt-Directed Catalytic Synthesis of 2D Layered Transition-Metal Nitrides for Efficient Hydrogen Evolution. <i>CheM</i> , <b>2020</b> , 6, 2382-2394	16.2	67
62	Selectivity roadmap for electrochemical CO <sub>2</sub> reduction on copper-based alloy catalysts. <i>Nano Energy</i> , <b>2020</b> , 71, 104601	17.1	65
61	Die Wasserstoffentwicklungsreaktion in alkalischer Lösung: Von der Theorie und Einkristallmodellen zu praktischen Elektrokatalysatoren. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7690-7702	3.6	64
60	Multifunctional Iron Oxide Nanoflake/Graphene Composites Derived from Mechanochemical Synthesis for Enhanced Lithium Storage and Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 14446-55	9.5	62
59	Electrochemical Reduction of CO to Ethane through Stabilization of an Ethoxy Intermediate. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19649-19653	16.4	61
58	Ionic liquid-assisted synthesis of N/S-double doped graphene microwires for oxygen evolution and Zn  air batteries. <i>Energy Storage Materials</i> , <b>2015</b> , 1, 17-24	19.4	59
57	Nickel ferrocyanide as a high-performance urea oxidation electrocatalyst. <i>Nature Energy</i> , <b>2021</b> , 6, 904-916	12.3	57
56	Impact of Interfacial Electron Transfer on Electrochemical CO Reduction on Graphitic Carbon Nitride/Doped Graphene. <i>Small</i> , <b>2019</b> , 15, e1804224	11	56
55	Efficient Nitrogen Fixation to Ammonia through Integration of Plasma Oxidation with Electrocatalytic Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14131-14137	16.4	56
54	Electrocatalytically switchable CO <sub>2</sub> capture: first principle computational exploration of carbon nanotubes with pyridinic nitrogen. <i>ChemSusChem</i> , <b>2014</b> , 7, 435-41	8.3	55
53	Soft-Templating Synthesis of N-Doped Mesoporous Carbon Nanospheres for Enhanced Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 1546-53	4.5	52
52	Syngas production from electrocatalytic CO <sub>2</sub> reduction with high energetic efficiency and current density. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7675-7682	13	47
51	Highly active nickel-cobalt/nanocarbon thin films as efficient water splitting electrodes. <i>Nanoscale</i> , <b>2016</b> , 8, 18507-18515	7.7	47
50	Highly Selective Two-Electron Electrocatalytic CO <sub>2</sub> Reduction on Single-Atom Cu Catalysts. <i>Small Structures</i> , <b>2021</b> , 2, 2000058	8.7	44
49	Synthesis and assessment of La <sub>0.8</sub> Sr <sub>0.2</sub> Sc <sub>y</sub> Mn <sub>1-y</sub> O <sub>3</sub> cathodes for solid-oxide fuel cells on scandium-stabilized zirconia electrolyte. <i>Journal of Power Sources</i> , <b>2008</b> , 183, 471-478	8.9	41
48	Assessment of nickel cermets and La <sub>0.8</sub> Sr <sub>0.2</sub> Sc <sub>0.2</sub> Mn <sub>0.8</sub> O <sub>3</sub> as solid-oxide fuel cell anodes operating on carbon monoxide fuel. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 1333-1343	8.9	39
47	Metal-organic framework assisted synthesis of single-atom catalysts for energy applications. <i>National Science Review</i> , <b>2018</b> , 5, 626-627	10.8	38

46	Bronze alloys with tin surface sites for selective electrochemical reduction of CO. <i>Chemical Communications</i> , <b>2018</b> , 54, 13965-13968	5.8	37
45	A boron imidazolate framework with mechanochromic and electrocatalytic properties. <i>Materials Horizons</i> , <b>2018</b> , 5, 1151-1155	14.4	36
44	Co (II) Boron Imidazolate Framework with Rigid Auxiliary Linkers for Stable Electrocatalytic Oxygen Evolution Reaction. <i>Advanced Science</i> , <b>2019</b> , 6, 1801920	13.6	33
43	Engineering High-Energy Interfacial Structures for High-Performance Oxygen-Involving Electrocatalysis. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8659-8663	3.6	32
42	Initialization of a methane-fueled single-chamber solid-oxide fuel cell with NiO+SDC anode and BSCF+SDC cathode. <i>Journal of Power Sources</i> , <b>2008</b> , 179, 640-648	8.9	32
41	A Three-Component Nanocomposite with Synergistic Reactivity for Oxygen Reduction Reaction in Alkaline Solution. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1401186	21.8	31
40	Stabilizing Cu Ions by Solid Solutions to Promote CO Electroreduction to Methane.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	31
39	A simple strategy for tridoped porous carbon nanosheet as superior electrocatalyst for bifunctional oxygen reduction and hydrogen evolution reactions. <i>Carbon</i> , <b>2020</b> , 162, 586-594	10.4	30
38	Role of oxygen-bound reaction intermediates in selective electrochemical CO <sub>2</sub> reduction. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 3912-3930	35.4	27
37	Molecular Scalpel to Chemically Cleave Metal-Organic Frameworks for Induced Phase Transition. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6681-6690	16.4	26
36	Pulsed laser deposition of porous N-carbon supported cobalt (oxide) thin films for highly efficient oxygen evolution. <i>Chemical Communications</i> , <b>2016</b> , 52, 11947-11950	5.8	26
35	A comparative study of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> and La <sub>0.8</sub> Sr <sub>0.2</sub> Sc <sub>0.1</sub> Mn <sub>0.9</sub> O <sub>3</sub> as cathode materials of single-chamber SOFCs operating on a methane-air mixture. <i>Journal of Power Sources</i> , <b>2009</b> , 191, 225-232	8.9	24
34	Recent Progress of 3d Transition Metal Single-Atom Catalysts for Electrochemical CO <sub>2</sub> Reduction. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001904	4.6	22
33	Breaking the volcano-plot limits for Pt-based electrocatalysts by selective tuning adsorption of multiple intermediates. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13635-13640	13	19
32	Metal-metal interactions in correlated single-atom catalysts.. <i>Science Advances</i> , <b>2022</b> , 8, eabo0762	14.3	18
31	Direct Growth of Well-Aligned MOF Arrays onto Various Substrates. <i>Chem</i> , <b>2017</b> , 2, 751-752	16.2	17
30	Oxidation Stability of Nanographite Materials. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 1176-1179	21.8	17
29	Molecular Cleavage of Metal-Organic Frameworks and Application to Energy Storage and Conversion. <i>Advanced Materials</i> , <b>2021</b> , e2104341	24	17

28	Polydopamine-Derived, In Situ N-Doped 3D Mesoporous Carbons for Highly Efficient Oxygen Reduction. <i>ChemNanoMat</i> , <b>2018</b> , 4, 417-422	3.5	15
27	Activation and Deactivation Kinetics of Oxygen Reduction over a La <sub>0.8</sub> Sr <sub>0.2</sub> Sc <sub>0.1</sub> Mn <sub>0.9</sub> O <sub>3</sub> Cathode. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 18690-18700	3.8	15
26	Efficient Nitrogen Fixation to Ammonia through Integration of Plasma Oxidation with Electrocatalytic Reduction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14250-14256	3.6	15
25	Electrochemical Reduction of CO <sub>2</sub> to Ethane through Stabilization of an Ethoxy Intermediate. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19817-19821	3.6	14
24	Synergistic catalysis between atomically dispersed Fe and a pyrrolic-N-C framework for CO <sub>2</sub> electroreduction. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1411-1415	10.8	14
23	Cr doping effect in B-site of La <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> on its phase stability and performance as an SOFC anode. <i>Rare Metals</i> , <b>2009</b> , 28, 361-366	5.5	13
22	Graphene-encapsulated nickel-copper bimetallic nanoparticle catalysts for electrochemical reduction of CO to CO. <i>Chemical Communications</i> , <b>2020</b> , 56, 11275-11278	5.8	13
21	N-doping goes sp-hybridized. <i>Nature Chemistry</i> , <b>2018</b> , 10, 900-902	17.6	12
20	Controlled synthesis of ultrasmall RuP <sub>2</sub> particles on N,P-codoped carbon as superior pH-wide electrocatalyst for hydrogen evolution. <i>Rare Metals</i> , <b>2021</b> , 40, 1040-1047	5.5	12
19	Mesoscale Diffusion Enhancement of Carbon-Bowl-Shaped Nanoreactor toward High-Performance Electrochemical HO <sub>2</sub> Production. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 39763-39771	9.5	12
18	Directing the selectivity of CO <sub>2</sub> electroreduction to target C <sub>2</sub> products via non-metal doping on Cu surfaces. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 6345-6351	13	12
17	Well-crystallized mesoporous samaria-doped ceria from EDTA-citrate complexing process with in situ created NiO as recyclable template. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 491, 271-277	5.7	11
16	Characterization and optimization of La <sub>0.8</sub> Sr <sub>0.2</sub> Sc <sub>0.1</sub> Mn <sub>0.9</sub> O <sub>3</sub> -based composite electrodes for intermediate-temperature solid-oxide fuel cells. <i>Journal of Power Sources</i> , <b>2008</b> , 185, 641-648	8.9	10
15	A nano-engineered graphene/carbon nitride hybrid for photocatalytic hydrogen evolution. <i>Journal of Energy Chemistry</i> , <b>2016</b> , 25, 225-227	12	9
14	Spatial-confinement induced electroreduction of CO and CO to diols on densely-arrayed Cu nanopyramids. <i>Chemical Science</i> , <b>2021</b> , 12, 8079-8087	9.4	7
13	Natural DNA-derived highly-graphitic N, P, S-tridoped carbon nanosheets for multiple electrocatalytic applications. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132102	14.7	6
12	Natural DNA-assisted ultrafine FeP embedded in N, P-codoped carbons for efficient oxygen reduction, hydrogen evolution and rechargeable zinc-air battery. <i>Carbon</i> , <b>2022</b> , 186, 171-179	10.4	5
11	Electrocatalytic Refinery for Sustainable Production of Fuels and Chemicals. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19724-19742	3.6	5



10	The Crucial Role of Charge Accumulation and Spin Polarization in Activating Carbon-Based Catalysts for Electrocatalytic Nitrogen Reduction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4555-4561	3.6	4
9	Mesoporous Co <sub>3</sub> DOT nanosheets for electrochemical production of hydrogen peroxide in acidic medium. <i>Journal of Materials Chemistry A</i> ,	13	4
8	Local Environment Determined Reactant Adsorption Configuration for Enhanced Electrocatalytic Acetone Hydrogenation to Propane. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	4
7	C <sub>3</sub> production from CO <sub>2</sub> reduction by concerted *CO trimerization on a single-atom alloy catalyst. <i>Journal of Materials Chemistry A</i> ,	13	4
6	Study on oxygen activation and methane oxidation over La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> electrode in single-chamber solid oxide fuel cells via an electrochemical approach. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 4328-4338	6.7	3
5	Customizing the microenvironment of CO <sub>2</sub> electrocatalysis via three-phase interface engineering. <i>SmartMat</i> , <b>2022</b> , 3, 111-129	22.8	2
4	Carbon-Based Electrochemical Oxygen Reduction and Hydrogen Evolution Catalysts <b>2018</b> , 403-455		1
3	Key to C production: selective C-C coupling for electrochemical CO reduction on copper alloy surfaces. <i>Chemical Communications</i> , <b>2021</b> , 57, 9526-9529	5.8	1
2	An organic-inorganic hybrid strategy to fabricate highly dispersed Fe <sub>2</sub> C in porous N-Doped carbon for oxygen reduction reaction and rechargeable zinc-air battery. <i>Carbon</i> , <b>2022</b> , 195, 123-130	10.4	0
1	Innentitelbild: Electrochemical Reduction of CO <sub>2</sub> to Ethane through Stabilization of an Ethoxy Intermediate (Angew. Chem. 44/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19530-19530	3.6	