

De-Li Wang

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149
papers

10,130
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52
h-index

97
g-index

161
ext. papers

11,939
ext. citations

11.7
avg, IF

6.48
L-index

#	Paper	IF	Citations
149	Structurally ordered intermetallic platinum-cobalt core-shell nanoparticles with enhanced activity and stability as oxygen reduction electrocatalysts. <i>Nature Materials</i> , 2013 , 12, 81-7	27	1467
148	Rational synthesis of p-type zinc oxide nanowire arrays using simple chemical vapor deposition. <i>Nano Letters</i> , 2007 , 7, 323-8	11.5	405
147	Shape-Controlled Synthesis of MnO ₂ Nanostructures with Enhanced Electrocatalytic Activity for Oxygen Reduction. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1694-1700	3.8	403
146	A solution-phase bifunctional catalyst for lithium-oxygen batteries. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8941-6	16.4	356
145	Pt-decorated PdCo@Pd/C core-shell nanoparticles with enhanced stability and electrocatalytic activity for the oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17664-6	16.4	286
144	One-pot synthesis of nitrogen and sulfur co-doped graphene as efficient metal-free electrocatalysts for the oxygen reduction reaction. <i>Chemical Communications</i> , 2014 , 50, 4839-42	5.8	266
143	Tuning oxygen reduction reaction activity via controllable dealloying: a model study of ordered Cu ₃ Pt/C intermetallic nanocatalysts. <i>Nano Letters</i> , 2012 , 12, 5230-8	11.5	259
142	Template-free synthesis of hollow-structured Co ₃ O ₄ nanoparticles as high-performance anodes for lithium-ion batteries. <i>ACS Nano</i> , 2015 , 9, 1775-81	16.7	250
141	Pt skin on AuCu intermetallic substrate: a strategy to maximize Pt utilization for fuel cells. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9643-9	16.4	198
140	Stringed Tube on cube nanohybrids as compact cathode matrix for high-loading and lean-electrolyte lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2018 , 11, 2372-2381	35.4	193
139	Recent Advances of Structurally Ordered Intermetallic Nanoparticles for Electrocatalysis. <i>ACS Catalysis</i> , 2018 , 8, 3237-3256	13.1	171
138	Amylopectin wrapped graphene oxide/sulfur for improved cyclability of lithium-sulfur battery. <i>ACS Nano</i> , 2013 , 7, 8801-8	16.7	167
137	Porous Structured Ni-Fe-P Nanocubes Derived from a Prussian Blue Analogue as an Electrocatalyst for Efficient Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26134-26142	9.5	162
136	Facile synthesis of boron and nitrogen-doped graphene as efficient electrocatalyst for the oxygen reduction reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 16043-16052	6.7	154
135	Facile Synthesis of Carbon-Supported PdCo Core-Shell Nanoparticles as Oxygen Reduction Electrocatalysts and Their Enhanced Activity and Stability with Monolayer Pt Decoration. <i>Chemistry of Materials</i> , 2012 , 24, 2274-2281	9.6	154
134	Three-dimensional tracking and visualization of hundreds of Pt-Co fuel cell nanocatalysts during electrochemical aging. <i>Nano Letters</i> , 2012 , 12, 4417-23	11.5	145
133	3D Porous Carbon Sheets with Multidirectional Ion Pathways for Fast and Durable Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702381	21.8	132

132	Two-Dimensional Phosphorus-Doped Carbon Nanosheets with Tunable Porosity for Oxygen Reactions in Zinc-Air Batteries. <i>ACS Catalysis</i> , 2018 , 8, 2464-2472	13.1	129
131	HPW/MCM-41 phosphotungstic acid/mesoporous silica composites as novel proton-exchange membranes for elevated-temperature fuel cells. <i>Advanced Materials</i> , 2010 , 22, 971-6	24	124
130	Hyperscrosslinked polymers enabled micropore-dominant N, S Co-Doped porous carbon for ultrafast electron/ion transport supercapacitors. <i>Nano Energy</i> , 2019 , 65, 103993	17.1	122
129	Facile preparation of carbon sphere supported molybdenum compounds (P, C and S) as hydrogen evolution electrocatalysts in acid and alkaline electrolytes. <i>Nano Energy</i> , 2017 , 32, 511-519	17.1	119
128	Highly stable and CO-tolerant Pt/Ti _{0.7} W _{0.3} O ₂ electrocatalyst for proton-exchange membrane fuel cells. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10218-20	16.4	113
127	Morphology and activity tuning of CuPt/C ordered intermetallic nanoparticles by selective electrochemical dealloying. <i>Nano Letters</i> , 2015 , 15, 1343-8	11.5	108
126	Nitrogen and sulfur co-doping of 3D hollow-structured carbon spheres as an efficient and stable metal free catalyst for the oxygen reduction reaction. <i>Nanoscale</i> , 2016 , 8, 19086-19092	7.7	107
125	A surfactant-free strategy for synthesizing and processing intermetallic platinum-based nanoparticle catalysts. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18453-9	16.4	90
124	MoS ₂ /MoP heterostructured nanosheets on polymer-derived carbon as an electrocatalyst for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 616-622	13	86
123	Pd/HPW-PDDA-MWCNTs as effective non-Pt electrocatalysts for oxygen reduction reaction of fuel cells. <i>Chemical Communications</i> , 2010 , 46, 2058-60	5.8	83
122	One-Nanometer-Thick Pt ₃ Ni Bimetallic Alloy Nanowires Advanced Oxygen Reduction Reaction: Integrating Multiple Advantages into One Catalyst. <i>ACS Catalysis</i> , 2019 , 9, 4488-4494	13.1	80
121	From a ZIF-8 polyhedron to three-dimensional nitrogen doped hierarchical porous carbon: an efficient electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10731-10739	13	79
120	Optimizing the ORR activity of Pd based nanocatalysts by tuning their strain and particle size. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9867-9872	13	77
119	Hierarchically Porous Electrocatalyst with Vertically Aligned Defect-Rich CoMoS Nanosheets for the Hydrogen Evolution Reaction in an Alkaline Medium. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5288-5294	9.5	76
118	Controllable synthesis of molybdenum-based electrocatalysts for a hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4879-4885	13	75
117	Recent Progress on Mesoporous Carbon Materials for Advanced Energy Conversion and Storage. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 515-539	3.1	73
116	Tetrahydrofuran-functionalized multi-walled carbon nanotubes as effective support for Pt and PtSn electrocatalysts of fuel cells. <i>Electrochimica Acta</i> , 2010 , 55, 2964-2971	6.7	70
115	Copper-Induced Formation of Structurally Ordered PtBeCu Ternary Intermetallic Electrocatalysts with Tunable Phase Structure and Improved Stability. <i>Chemistry of Materials</i> , 2018 , 30, 5987-5995	9.6	68

114	Ultrathin Non-van der Waals Magnetic Rhombohedral Cr ₂ S ₃ : Space-Confined Chemical Vapor Deposition Synthesis and Raman Scattering Investigation. <i>Advanced Functional Materials</i> , 2019 , 29, 1805880	15.6	68
113	Heteroatom (P, B, or S) incorporated NiFe-based nanocubes as efficient electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7062-7069	13	67
112	Supramolecular gel-assisted synthesis of double shelled Co@CoO@N-C/C nanoparticles with synergistic electrocatalytic activity for the oxygen reduction reaction. <i>Nanoscale</i> , 2016 , 8, 4681-7	7.7	67
111	Self-supported ternary Ni-Fe-P nanosheets derived from metal-organic frameworks as efficient overall water splitting electrocatalysts. <i>Electrochimica Acta</i> , 2017 , 258, 423-432	6.7	67
110	An Alloying-Degree-Controlling Step in the Impregnation Synthesis of PtRu/C Catalysts. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 16416-16422	3.8	65
109	Infiltrating sulfur in hierarchical architecture MWCNT@meso C core-shell nanocomposites for lithium-sulfur batteries. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 9051-7	3.6	63
108	Anchoring ultrafine Pt electrocatalysts on TiO ₂ -C via photochemical strategy to enhance the stability and efficiency for oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 228-236	21.8	62
107	Highly efficient and stable MoP-RGO nanoparticles as electrocatalysts for hydrogen evolution. <i>Electrochimica Acta</i> , 2017 , 232, 254-261	6.7	61
106	Spontaneous incorporation of gold in palladium-based ternary nanoparticles makes durable electrocatalysts for oxygen reduction reaction. <i>Nature Communications</i> , 2016 , 7, 11941	17.4	58
105	Coalescence in the Thermal Annealing of Nanoparticles: An in Situ STEM Study of the Growth Mechanisms of Ordered PtFe Nanoparticles in a KCl Matrix. <i>Chemistry of Materials</i> , 2013 , 25, 1436-1442	9.6	58
104	Golden Palladium Zinc Ordered Intermetallics as Oxygen Reduction Electrocatalysts. <i>ACS Nano</i> , 2019 , 13, 5968-5974	16.7	56
103	Nitrogen and sulfur co-doping of partially exfoliated MWCNTs as 3-D structured electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5678-5684	13	56
102	Hollow-Structured Carbon-Supported Nickel Cobaltite Nanoparticles as an Efficient Bifunctional Electrocatalyst for the Oxygen Reduction and Evolution Reactions. <i>ChemCatChem</i> , 2016 , 8, 736-742	5.2	55
101	Restricting Growth of NiFe Nanoparticles on Heteroatom-Doped Carbon Nanotube/Graphene Nanosheets as Air-Electrode Electrocatalyst for Zn-Air Battery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38093-38100	9.5	55
100	Biaxial Strains Mediated Oxygen Reduction Electrocatalysis on Fenton Reaction Resistant L10-PtZn Fuel Cell Cathode. <i>Advanced Energy Materials</i> , 2020 , 10, 2000179	21.8	54
99	Sea urchin-like NiFe sulfide architectures as efficient electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12350-12357	13	52
98	Synergistic enhancement of nitrogen and sulfur co-doped graphene with carbon nanosphere insertion for the electrocatalytic oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7727-7731	13	52
97	Defect and Doping[Co-Engineered Non-Metal Nanocarbon ORR Electrocatalyst. <i>Nano-Micro Letters</i> , 2021 , 13, 65	19.5	49

96	Atomic rearrangement from disordered to ordered Pd-Fe nanocatalysts with trace amount of Pt decoration for efficient electrocatalysis. <i>Nano Energy</i> , 2018 , 50, 70-78	17.1	48
95	Space-confined vapor deposition synthesis of two dimensional materials. <i>Nano Research</i> , 2018 , 11, 2909-2931	20.3	47
94	Accurate Control Multiple Active Sites of Carbonaceous Anode for High Performance Sodium Storage: Insights into Capacitive Contribution Mechanism. <i>Advanced Energy Materials</i> , 2020 , 10, 1903312	21.8	47
93	Effects of crystal phase and composition on structurally ordered PtCoNi/C ternary intermetallic electrocatalysts for the formic acid oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5848-5855	13	46
92	Interrogation of bimetallic particle oxidation in three dimensions at the nanoscale. <i>Nature Communications</i> , 2016 , 7, 13335	17.4	46
91	Nitrogen-doped carbon nanofibers derived from polypyrrole coated bacterial cellulose as high-performance electrode materials for supercapacitors and Li-ion batteries. <i>Electrochimica Acta</i> , 2016 , 210, 130-137	6.7	46
90	Microporous Organic Polymers Derived Microporous Carbon Supported Pd Catalysts for Oxygen Reduction Reaction: Impact of Framework and Heteroatom. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 2187-2197	3.8	45
89	Rational design of three-dimensional nitrogen and phosphorus co-doped graphene nanoribbons/CNTs composite for the oxygen reduction. <i>Chinese Chemical Letters</i> , 2016 , 27, 597-601	8.1	45
88	Three-dimensional hollow-structured binary oxide particles as an advanced anode material for high-rate and long cycle life lithium-ion batteries. <i>Nano Energy</i> , 2016 , 20, 212-220	17.1	44
87	Hierarchical Bimetallic Ni-Co-P Microflowers with Ultrathin Nanosheet Arrays for Efficient Hydrogen Evolution Reaction over All pH Values. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42233-42242	9.5	44
86	Ultra-low loading Pt decorated coral-like Pd nanochain networks with enhanced activity and stability towards formic acid electrooxidation. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1548-1552	13	44
85	Enhanced oxygen reduction at Pd catalytic nanoparticles dispersed onto heteropolytungstate-assembled poly(diallyldimethylammonium)-functionalized carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4400-10	3.6	44
84	Sulphur modulated Ni ₃ FeN supported on N/S co-doped graphene boosts rechargeable/flexible Zn-air battery performance. <i>Applied Catalysis B: Environmental</i> , 2020 , 274, 119086	21.8	43
83	Coordination effect of network NiO nanosheet and a carbon layer on the cathode side in constructing a high-performance lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6503-6509	13	43
82	Nano-structured Pd _x Pt _{1-x} /Ti anodes prepared by electrodeposition for alcohol electrooxidation. <i>Electrochimica Acta</i> , 2009 , 54, 5486-5491	6.7	43
81	Structurally ordered Pt _n N/C series nanoparticles as efficient anode catalysts for formic acid electrooxidation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22129-22135	13	40
80	3D hollow structured Co ₂ FeO ₄ /MWCNT as an efficient non-precious metal electrocatalyst for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1601-1608	13	39
79	Composition-dependent electrocatalytic activities of NiFe-based selenides for the oxygen evolution reaction. <i>Electrochimica Acta</i> , 2018 , 291, 64-72	6.7	39

78	Self-assembly of HPW on Pt/C nanoparticles with enhanced electrocatalysis activity for fuel cell applications. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 311-317	21.8	38
77	Nanomaterial datasets to advance tomography in scanning transmission electron microscopy. <i>Scientific Data</i> , 2016 , 3, 160041	8.2	36
76	High-rate and long-life lithium-ion battery performance of hierarchically hollow-structured NiCo ₂ O ₄ /CNT nanocomposite. <i>Electrochimica Acta</i> , 2017 , 244, 8-15	6.7	35
75	Effect of KOH etching on the structure and electrochemical performance of SiOC anodes for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 245, 287-295	6.7	35
74	Highly nitrogen and sulfur dual-doped carbon microspheres for supercapacitors. <i>Science Bulletin</i> , 2017 , 62, 1011-1017	10.6	35
73	Biomass derived nitrogen doped carbon with porous architecture as efficient electrode materials for supercapacitors. <i>Chinese Chemical Letters</i> , 2017 , 28, 2227-2230	8.1	35
72	Recent Progress of Palladium-Based Electrocatalysts for the Formic Acid Oxidation Reaction. <i>Energy & Fuels</i> , 2020 , 34, 9137-9153	4.1	34
71	Impacts of Grazing Intensity and Plant Community Composition on Soil Bacterial Community Diversity in a Steppe Grassland. <i>PLoS ONE</i> , 2016 , 11, e0159680	3.7	34
70	Bimetallic Nanoparticle Oxidation in Three Dimensions by Chemically Sensitive Electron Tomography and in Situ Transmission Electron Microscopy. <i>ACS Nano</i> , 2018 , 12, 7866-7874	16.7	33
69	Controllable construction of flower-like FeS/Fe ₂ O ₃ composite for lithium storage. <i>Journal of Power Sources</i> , 2018 , 392, 193-199	8.9	33
68	Highly Nitrogen-Doped Three-Dimensional Carbon Fibers Network with Superior Sodium Storage Capacity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28604-28611	9.5	33
67	Shoot population recruitment from a bud bank over two seasons of undisturbed growth of <i>Leymus chinensis</i> . <i>Botany</i> , 2009 , 87, 1242-1249	1.3	33
66	Breaking the Crowther limit: combining depth-sectioning and tilt tomography for high-resolution, wide-field 3D reconstructions. <i>Ultramicroscopy</i> , 2014 , 140, 26-31	3.1	32
65	Nitrogen-Doped Hierarchical Porous Carbons Derived from Sodium Alginate as Efficient Oxygen Reduction Reaction Electrocatalysts. <i>ChemCatChem</i> , 2017 , 9, 809-815	5.2	32
64	Tuning the electrocatalytic activity of Pt by structurally ordered PdFe/C for the hydrogen oxidation reaction in alkaline media. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11346-11352	13	31
63	Tailoring the Antipoisoning Performance of Pd for Formic Acid Electrooxidation via an Ordered PdBi Intermetallic. <i>ACS Catalysis</i> , 2020 , 10, 9977-9985	13.1	30
62	Turning Waste into Treasure: Regulating the Oxygen Corrosion on Fe Foam for Efficient Electrocatalysis. <i>Small</i> , 2020 , 16, e2000663	11	29
61	Structure evolution of PtCu nanoframes from disordered to ordered for the oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2021 , 282, 119617	21.8	29

60	Self-Optimized Ligand Effect in L12-PtPdFe Intermetallic for Efficient and Stable Alkaline Hydrogen Oxidation Reaction. <i>ACS Catalysis</i> , 2020 , 10, 15207-15216	13.1	25
59	Electronic structure and oxophilicity optimization of mono-layer Pt for efficient electrocatalysis. <i>Nano Energy</i> , 2020 , 74, 104877	17.1	25
58	Recent advances on metal alkoxide-based electrocatalysts for water splitting. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10130-10149	13	25
57	Ultrafine molybdenum carbide nanoparticles supported on nitrogen doped carbon nanosheets for hydrogen evolution reaction. <i>Chinese Chemical Letters</i> , 2019 , 30, 192-196	8.1	25
56	MoO ₂ modulated electrocatalytic properties of Ni: investigate from hydrogen oxidation reaction to hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019 , 324, 134892	6.7	25
55	The Effect of Plant Growth Regulators and Sucrose on the Micropropagation and Microtuberization of <i>Dioscorea nipponica</i> Makino. <i>Journal of Plant Growth Regulation</i> , 2007 , 26, 38-45	4.7	25
54	In situ coupling of NiFe nanoparticles with N-doped carbon nanofibers for Zn-air batteries driven water splitting. <i>Applied Catalysis B: Environmental</i> , 2021 , 285, 119856	21.8	25
53	Various Structured Molybdenum-based Nanomaterials as Advanced Anode Materials for Lithium ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12366-12372	9.5	24
52	Glucose-derived carbon sphere supported CoP as efficient and stable electrocatalysts for hydrogen evolution reaction. <i>Journal of Energy Chemistry</i> , 2017 , 26, 1147-1152	12	24
51	Ultrafine Ni-B nanoparticles for efficient hydrogen evolution reaction. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1867-1873	11.3	24
50	A general approach for the direct fabrication of metal oxide-based electrocatalysts for efficient bifunctional oxygen electrodes. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 823-831	5.8	23
49	Facile self-template fabrication of hierarchical nickel-cobalt phosphide hollow nanoflowers with enhanced hydrogen generation performance. <i>Science Bulletin</i> , 2019 , 64, 1675-1684	10.6	23
48	Highly active N-doped carbon encapsulated Pd-Fe intermetallic nanoparticles for the oxygen reduction reaction. <i>Nano Research</i> , 2020 , 13, 2365-2370	10	22
47	Insight into the hydrogen oxidation electrocatalytic performance enhancement on Ni via oxophilic regulation of MoO ₂ . <i>Journal of Energy Chemistry</i> , 2021 , 54, 202-207	12	22
46	Synthesis of highly stable and methanol-tolerant electrocatalyst for oxygen reduction: Co supporting on N-doped-C hybridized TiO ₂ . <i>Electrochimica Acta</i> , 2015 , 180, 564-573	6.7	21
45	Phase conversion of Pt ₃ Ni ₂ /C from disordered alloy to ordered intermetallic with strained lattice for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018 , 283, 1253-1260	6.7	21
44	Ultralow content of Pt on Pd _{1-x} Co _x /C ternary nanoparticles with excellent electrocatalytic activity and durability for the oxygen reduction reaction. <i>Nano Energy</i> , 2016 , 27, 475-481	17.1	21
43	Acid promoted Ni/NiO monolithic electrode for overall water splitting in alkaline medium. <i>Science China Materials</i> , 2017 , 60, 918-928	7.1	20

42	Methanol Oxidation Using Ternary Ordered Intermetallic Electrocatalysts: A DEMS Study. <i>ACS Catalysis</i> , 2020 , 10, 770-776	13.1	20
41	Effectively suppressing lithium dendrite growth via an es-LiSPCE single-ion conducting nano fiber membrane. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2518-2528	13	19
40	Molybdenum carbides embedded on carbon nanotubes for efficient hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 801, 7-13	4.1	19
39	Atomic-level insight into reasonable design of metal-based catalysts for hydrogen oxidation in alkaline electrolytes. <i>Energy and Environmental Science</i> , 2021 , 14, 2620-2638	35.4	19
38	Pt skin on Pd-Co-Zn/C ternary nanoparticles with enhanced Pt efficiency toward ORR. <i>Nanoscale</i> , 2016 , 8, 14793-802	7.7	18
37	Optimizing PtFe intermetallics for oxygen reduction reaction: from DFT screening to in situ XAFS characterization. <i>Nanoscale</i> , 2019 , 11, 20301-20306	7.7	18
36	Well-ordered layered LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ submicron sphere with fast electrochemical kinetics for cathodic lithium storage. <i>Journal of Energy Chemistry</i> , 2020 , 47, 188-195	12	17
35	Combining structurally ordered intermetallics with N-doped carbon confinement for efficient and anti-poisoning electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2020 , 279, 119370	21.8	17
34	Transforming Damage into Benefit: Corrosion Engineering Enabled Electrocatalysts for Water Splitting. <i>Advanced Functional Materials</i> , 2021 , 31, 2009032	15.6	17
33	Molybdenum-doped titanium dioxide supported low-Pt electrocatalyst for highly efficient and stable hydrogen evolution reaction. <i>Chinese Chemical Letters</i> , 2021 , 32, 765-769	8.1	16
32	Rational Design and Engineering of Nanomaterials Derived from Prussian Blue and Its Analogs for Electrochemical Water Splitting. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 958-972	4.5	15
31	Efficient Electrochemical Production of HO on Hollow N-Doped Carbon Nanospheres with Abundant Micropores. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	15
30	Semi-interpenetrating polymer networks toward sulfonated poly(ether ether ketone) membranes for high concentration direct methanol fuel cell. <i>Chinese Chemical Letters</i> , 2019 , 30, 299-304	8.1	15
29	Hypercrosslinked Polymerization Enabled N-Doped Carbon Confined Fe ₂ O ₃ Facilitating Li Polysulfides Interface Conversion for LiB Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101780	21.8	14
28	Hyperporous-Carbon-Supported Nonprecious Metal Electrocatalysts for the Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2671-2676	4.5	12
27	Synergistic regulation of nickel doping/hierarchical structure in cobalt sulfide for high performance zinc-air battery. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120539	21.8	12
26	Oxides overlayer confined Ni ₃ Sn ₂ alloy enable enhanced lithium storage performance. <i>Journal of Power Sources</i> , 2019 , 441, 227185	8.9	11
25	Enhanced electrocatalytic activity and stability of Pd ₃ V/C nanoparticles with a trace amount of Pt decoration for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20966-20972	13	10

24	Surface engineering of PdFe ordered intermetallics for efficient oxygen reduction electrocatalysis. <i>Chemical Engineering Journal</i> , 2021 , 408, 127297	14.7	10
23	Boosting alkaline hydrogen electrooxidation on an unconventional fcc-Ru polycrystal. <i>Journal of Energy Chemistry</i> , 2021 , 61, 15-22	12	10
22	Corrosion-assisted large-scale production of hierarchical iron rusts/Ni(OH) ₂ nanosheet-on-microsphere arrays for efficient electrocatalysis. <i>Electrochimica Acta</i> , 2020 , 353, 136478	6.7	9
21	Facile synthesis of sub-monolayer Sn, Ru, and RuSn decorated Pt/C nanoparticles for formaldehyde electrooxidation. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 712, 55-61	4.1	8
20	A Mechanistic Differential Electrochemical Mass Spectrometry (DEMS) and in situ Fourier Transform Infrared Investigation of Dimethoxymethane Electro-Oxidation at Platinum. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 13293-13302	3.8	8
19	Carbon-enriched SiOC ceramics with hierarchical porous structure as anodes for lithium storage. <i>Electrochimica Acta</i> , 2021 , 372, 137899	6.7	8
18	Recent Progress of Metal Organic Frameworks-Based Nanomaterials for Electrocatalysis. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2017 , 33, 149-164	3.8	7
17	Optimizing Formic Acid Electro-oxidation Performance by Restricting the Continuous Pd Sites in Pd ₃ Sn Nanocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12239-12247	8.3	6
16	Multiple Active Sites Carbonaceous Anodes for Na ⁺ Storage: Synthesis, Electrochemical Properties and Reaction Mechanism Analysis. <i>Advanced Functional Materials</i> , 2021 , 31, 2007247	15.6	6
15	Tuning Coal into Graphene-Like Nanocarbon for Electrochemical H ₂ O ₂ Production with Nearly 100% Faraday Efficiency. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9369-9375	8.3	6
14	Quantitative property-activity relationship of PtRu/C catalysts for methanol oxidation. <i>ChemPhysChem</i> , 2008 , 9, 1986-8	3.2	4
13	Nitrogen-inserted nickel nanosheets with controlled orbital hybridization and strain fields for boosted hydrogen oxidation in alkaline electrolytes. <i>Energy and Environmental Science</i> ,	35.4	4
12	A Low-Temperature Carbon Encapsulation Strategy for Stable and Poisoning-Tolerant Electrocatalysts.. <i>Small Methods</i> , 2021 , 5, e2100937	12.8	4
11	Correction to Porous Structured Ni-Fe-P Nanocubes Derived from a Prussian Blue Analogue as an Electrocatalyst for Efficient Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3152	9.5	3
10	Investigation of MXenes as oxygen reduction electrocatalyst for selective H ₂ O ₂ generation. <i>Nano Research</i> , ¹	10	3
9	Engineering Ir Atomic Configuration for Switching the Pathway of Formic Acid Electrooxidation Reaction. <i>Advanced Functional Materials</i> , ²¹⁰⁷⁶⁷²	15.6	3
8	Tuning the atomic configuration of Co-N-C electrocatalyst enables highly-selective H ₂ O ₂ production in acidic media. <i>Applied Catalysis B: Environmental</i> , 2022 , 310, 121312	21.8	3
7	Hollow Porous Carbon-Confined Atomically Ordered PtCo ₃ Intermetallics for an Efficient Oxygen Reduction Reaction. <i>ACS Catalysis</i> , ⁵³⁸⁰⁻⁵³⁸⁷	13.1	3

6	Two-Dimensional Wrinkled N-Rich Carbon Nanosheets Fabricated from Chitin via Fast Pyrolysis as Optimized Electrocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 ,	8.3	2
5	Pyranoid-O-dominated graphene-like nanocarbon for two-electron oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2022 , 307, 121173	21.8	2
4	Oxygen Reduction: Biaxial Strains Mediated Oxygen Reduction Electrocatalysis on Fenton Reaction Resistant L10-PtZn Fuel Cell Cathode (Adv. Energy Mater. 29/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070124	21.8	2
3	Semi-Interpenetrating Polymer Network Membranes from SPEEK and BPPO for High Concentration DMFC. <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	2
2	Engineering titanium oxide-based support for electrocatalysis. <i>Journal of Energy Chemistry</i> , 2021 , 67, 168-168	12	1
1	Highly dispersed Co atoms anchored in porous nitrogen-doped carbon for acidic H ₂ O ₂ electrosynthesis. <i>Chemical Engineering Journal</i> , 2022 , 438, 135619	14.7	1