

# Ruizhi Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

130  
papers

6,550  
citations

49  
h-index

77  
g-index

135  
ext. papers

7,714  
ext. citations

8.1  
avg. IF

6.23  
L-index

#	Paper	IF	Citations
130	Tuning the Electronic Structure of W <sub>18</sub> O <sub>49</sub> via Dual Doping for Efficient Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 3208-3216	6.1	0
129	Ru clusters anchored on Magn $\eta$ phase Ti <sub>4</sub> O <sub>7</sub> nanofibers enables flexible and highly efficient Li $\eta$ 2 batteries. <i>Energy Storage Materials</i> , <b>2022</b> , 50, 355-364	19.4	1
128	Mildly Oxidized MXene (TiC, NbC, and VC) Electrocatalyst via a Generic Strategy Enables Longevous Li-O Battery under a High Rate. <i>ACS Nano</i> , <b>2021</b> ,	16.7	9
127	Synergized Multimetal Oxides with Amorphous/Crystalline Heterostructure as Efficient Electrocatalysts for Lithium $\eta$ xygen Batteries. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100110	21.8	20
126	Electronic, optical, and water solubility properties of two-dimensional layered SnSi <sub>2</sub> N <sub>4</sub> from first principles. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
125	Unraveling the lithiophilic nature of heteroatom-doped carbons for efficient oxygen reduction in Li $\eta$ 2 batteries. <i>Carbon</i> , <b>2021</b> , 178, 436-442	10.4	7
124	Au@rGO modified Ni foam as a stable host for lithium metal anode. <i>Solid State Ionics</i> , <b>2021</b> , 364, 1156363,3	3.3	1
123	A-Site Doped Perovskite Oxide Strongly Interface Coupling with Carbon Nanotubes as a Promising Bifunctional Electrocatalyst for Solid-State Zn $\eta$ ir Batteries. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 12700-12705	4.1	0
122	Defected molybdenum disulfide catalyst engineered by nitrogen doping for advanced lithium $\eta$ xygen battery. <i>Electrochimica Acta</i> , <b>2021</b> , 383, 138369	6.7	3
121	Construction of 3D porous CeO <sub>2</sub> ceramic hosts with enhanced lithiophilicity for dendrite-free lithium metal anode. <i>Journal of Power Sources</i> , <b>2021</b> , 484, 229253	8.9	5
120	Multilayer hollow MnCo <sub>2</sub> O <sub>4</sub> microsphere with oxygen vacancies as efficient electrocatalyst for oxygen evolution reaction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 127831	14.7	27
119	NiFeMo Nanoparticles Encapsulated within Nitrogen-Doped Reduced Graphene Oxide as Bifunctional Electrocatalysts for Zinc-Air Batteries. <i>ChemElectroChem</i> , <b>2021</b> , 8, 524-531	4.3	2
118	Ni <sub>3</sub> Fe nanoalloys embedded in N-doped carbon derived from dual-metal ZIF: Efficient bifunctional electrocatalyst for Zn-air battery. <i>Carbon</i> , <b>2021</b> , 174, 475-483	10.4	14
117	When MOFs meet MXenes: superior ORR performance in both alkaline and acidic solutions. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 3952-3960	13	24
116	Nitrogen-doped hollow carbon polyhedron derived from salt-encapsulated ZIF-8 for efficient oxygen reduction reaction. <i>Carbon</i> , <b>2021</b> , 171, 320-328	10.4	30
115	Electrospun nanofibers and their applications in rechargeable zinc $\eta$ ir batteries. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 2950-2966	7.8	5
114	Honeycomb-like Self-Supported Co $\eta$ Catalysts with an Ultrastable Structure: Highly Efficient Electrocatalysts toward Oxygen Reduction Reaction in Alkaline and Acidic Solutions. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 2522-2530	6.1	4

113	PPy-derived N, P co-doped hollow carbon fiber decorated with island-like Ni <sub>2</sub> P nanoparticles as bifunctional oxygen electrocatalysts. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 882, 115013	4.1	3
112	Templated-Assisted Synthesis of Structurally Ordered Intermetallic PtCo with Ultralow Loading Supported on 3D Porous Carbon for Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 37133-37141	9.5	8
111	Cotton pad derived 3D lithiophilic carbon host for robust Li metal anode: In-situ generated ionic conductive Li <sub>3</sub> N protective decoration. <i>Chemical Engineering Journal</i> , <b>2021</b> , 132722	14.7	4
110	Concurrent realization of dendrite-free anode and high-loading cathode via 3D printed N-Ti <sub>3</sub> C <sub>2</sub> MXene framework toward advanced Li <sub>8</sub> full batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 41, 141-151	19.4	22
109	A Self-Jet Vapor-Phase Growth of 3D FeNi@NCNT Clusters as Efficient Oxygen Electrocatalysts for Zinc-Air Batteries. <i>Small</i> , <b>2021</b> , 17, e2006183	11	20
108	Free-Standing N, P Codoped Hollow Carbon Fibers as Efficient Hosts for Stable Lithium Metal Anodes. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 14191-14197	6.1	2
107	Universal Crafted MO-MXene Heterostructures as Heavy and Multifunctional Hosts for 3D-Printed Li-S Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 16073-16084	16.7	31
106	Cotton pad-derived large-area 3D N-doped graphene-like full carbon cathode with an O-rich functional group for flexible all solid Zn <sub>8</sub> air batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11202-11209	12.9	24
105	Boosting the catalysis of AuCuMo for oxygen reduction: Important roles of an optimized electronic structure and surface electrochemical stability. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 837, 155552	5.7	3
104	SARS-CoV-2 turned positive in a discharged patient with COVID-19 arouses concern regarding the present standards for discharge. <i>International Journal of Infectious Diseases</i> , <b>2020</b> , 97, 212-214	10.5	76
103	Plasma-enhanced cycling durability of a Mo <sub>2</sub> C decorated N-doped carbon nanofiber electrocatalyst for Li <sub>2</sub> O <sub>2</sub> battery cathodes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14815-14821	13	1
102	Preparation of perovskite oxides/(CoFe)P <sub>2</sub> heterointerfaces to improve oxygen evolution activity of La <sub>0.8</sub> Sr <sub>1.2</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>4+<math>\delta</math></sub> layered perovskite oxide. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 22959-22964	6.7	6
101	Oxygen Reduction Reaction on Au Revisited at Different pH Values using in situ Surface-Enhanced Raman Spectroscopy. <i>ChemSusChem</i> , <b>2020</b> , 13, 2702-2708	8.3	11
100	Nitrogen-doped carbon derived from onion waste as anode material for high performance sodium-ion battery. <i>Solid State Ionics</i> , <b>2020</b> , 346, 115223	3.3	6
99	Indiscrete metal/metal-N-C synergic active sites for efficient and durable oxygen electrocatalysis toward advanced Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 272, 118967	21.8	53
98	Recent Advances in Non-Noble Bifunctional Oxygen Electrocatalysts toward Large-Scale Production. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000503	15.6	96
97	B, N Co-Doped ordered mesoporous carbon with enhanced electrocatalytic activity for the oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 824, 153908	5.7	19
96	A flexible composite electrolyte membrane with ultrahigh LLZTO garnet content for quasi solid state Li-air batteries. <i>Solid State Ionics</i> , <b>2020</b> , 351, 115340	3.3	5

95	Boron and phosphorous co-doped porous carbon as high-performance anode for sodium-ion battery. <i>Solid State Ionics</i> , <b>2020</b> , 356, 115455	3.3	5
94	Enhanced Electrocatalytic Activity of Murdochite-Type NiMnO for Water Oxidation via Surface Reconstruction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 39205-39214	9.5	9
93	Spinel oxides wrapped on electrospun carbon nanofibers: Superior electrocatalysts boosted by enhanced conductivity and rich oxygen vacancies. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 22873-22882	6.7	4
92	Enhanced overall water electrolysis on a bifunctional perovskite oxide through interfacial engineering. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 120-129	6.7	23
91	Oxygen defect-ridden molybdenum oxide-coated carbon catalysts for Li-O <sub>2</sub> battery cathodes. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 253, 317-322	21.8	29
90	Onium salts-derived B and P dual-doped carbon microspheres as anode material for high-performance sodium-ion batteries. <i>Electrochemistry Communications</i> , <b>2019</b> , 103, 22-26	5.1	11
89	Phosphorus-doped hierarchical porous carbon as efficient metal-free electrocatalysts for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 12941-12951	6.7	18
88	A 3D free-standing thin film based on N, P-codoped hollow carbon fibers embedded with MoP quantum dots as high efficient oxygen electrode for Li-O <sub>2</sub> batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 17, 226-233	19.4	39
87	Enhanced high-voltage cycling stability of Ni-rich cathode materials via the self-assembly of Mn-rich shells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 20262-20273	13	25
86	N-, P-, and S-doped graphene-like carbon catalysts derived from onium salts with enhanced oxygen chemisorption for Zn-air battery cathodes. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 241, 442-451	21.8	190
85	Cobalt phosphide microsphere as an efficient bifunctional oxygen catalyst for Li-air batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 750, 655-658	5.7	26
84	Highly efficient AuNi-Cu <sub>2</sub> O electrocatalysts for the oxygen reduction and evolution reactions: Important role of interaction between Au and Ni engineered by leaching of Cu <sub>2</sub> O. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 1411-1417	6.7	11
83	Enhanced electrocatalytic activity of FeCo <sub>2</sub> O <sub>4</sub> interfacing with CeO <sub>2</sub> for oxygen reduction and evolution reactions. <i>Electrochemistry Communications</i> , <b>2018</b> , 93, 35-38	5.1	19
82	MnCo O /MoO Nanosheets Grown on Ni foam as Carbon- and Binder-Free Cathode for Lithium-Oxygen Batteries. <i>ChemSusChem</i> , <b>2018</b> , 11, 574-579	8.3	25
81	NiCo Alloy Nanoparticles Decorated on N-Doped Carbon Nanofibers as Highly Active and Durable Oxygen Electrocatalyst. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705094	15.6	280
80	Phosphorus-doped SrCo <sub>0.5</sub> Mo <sub>0.5</sub> O <sub>3</sub> perovskites with enhanced bifunctional oxygen catalytic activities. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 20727-20733	6.7	12
79	La <sub>2</sub> O <sub>3</sub> -NCNTs hybrids in-situ derived from LaNi <sub>0.9</sub> Fe <sub>0.1</sub> O <sub>3</sub> -C composites as novel robust bifunctional oxygen electrocatalysts. <i>Carbon</i> , <b>2017</b> , 115, 261-270	10.4	16
78	A high-performance oxygen electrode for LiO <sub>2</sub> batteries: Mo <sub>2</sub> C nanoparticles grown on carbon fibers. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5690-5695	13	37

77	PdAuCu Nanobranched as Self-Repairing Electrocatalyst for Oxygen Reduction Reaction. <i>ChemSusChem</i> , <b>2017</b> , 10, 1469-1474	8.3	15
76	A facile strategy to improve the electrochemical stability of a lithium ion conducting Li <sub>10</sub> GeP <sub>2</sub> S <sub>12</sub> solid electrolyte. <i>Solid State Ionics</i> , <b>2017</b> , 301, 59-63	3.3	29
75	Al <sub>2</sub> O <sub>3</sub> -surface modification of LiCoO <sub>2</sub> cathode with improved cyclic performance. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 795, 59-67	4.1	20
74	Self-Supported PtAuCu@Cu <sub>2</sub> O/Pt Hybrid Nanobranched as a Robust Electrocatalyst for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , <b>2017</b> , 4, 1554-1559	4.3	9
73	MnCo <sub>2</sub> O <sub>4</sub> decorated Magn $\eta$ phase titanium oxide as a carbon-free cathode for Li-O <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19991-19996	13	18
72	Porous yolk-shell microspheres as N-doped carbon matrix for motivating the oxygen reduction activity of oxygen evolution oriented materials. <i>Nanotechnology</i> , <b>2017</b> , 28, 365403	3.4	5
71	Enhanced Electrocatalytic Performance of Self-supported AuCuCo for Oxygen Reduction and Evolution Reactions. <i>Electrochimica Acta</i> , <b>2017</b> , 252, 261-267	6.7	12
70	Design and synthesis of hierarchical, freestanding bowl-like NiCo <sub>2</sub> O <sub>4</sub> as cathode for long-life Li-O <sub>2</sub> batteries. <i>Materials Today Energy</i> , <b>2017</b> , 5, 214-221	7	12
69	Enhanced electrocatalytic performances of Fe <sub>2</sub> O <sub>3</sub> pseudo-nanocubes for oxygen reduction reaction in alkaline solution with conductive coating. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 20711-20719	6.7	13
68	Biomass lysine-derived nitrogen-doped carbon hollow cubes via a NaCl crystal template: an efficient bifunctional electrocatalyst for oxygen reduction and evolution reactions. <i>Nanoscale</i> , <b>2017</b> , 9, 1059-1067	7.7	95
67	In situ preparation of hollow Mo <sub>2</sub> C $\eta$ hybrid microspheres as bifunctional electrocatalysts for oxygen reduction and evolution reactions. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12583-12590	13	65
66	Phosphorus and cobalt co-doped reduced graphene oxide bifunctional electrocatalyst for oxygen reduction and evolution reactions. <i>RSC Advances</i> , <b>2016</b> , 6, 64155-64164	3.7	15
65	On electrochemistry of Al <sub>2</sub> O <sub>3</sub> -coated LiCoO <sub>2</sub> composite cathode with improved cycle stability. <i>Ionics</i> , <b>2016</b> , 22, 629-636	2.7	11
64	Cobalt Sulfide Embedded in Porous Nitrogen-doped Carbon as a Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 776-783	6.7	114
63	One-pot synthesis of boron-doped ordered mesoporous carbons as efficient electrocatalysts for the oxygen reduction reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 24728-24737	3.7	21
62	Bacterial-cellulose-derived carbon nanofiber-supported CoFe <sub>2</sub> O <sub>4</sub> as efficient electrocatalyst for oxygen reduction and evolution reactions. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 5351-5360	6.7	51
61	Nitrogen/sulfur dual-doped 3D reduced graphene oxide networks-supported CoFe <sub>2</sub> O <sub>4</sub> with enhanced electrocatalytic activities for oxygen reduction and evolution reactions. <i>Carbon</i> , <b>2016</b> , 99, 195-202	10.4	122
60	One-pot synthesis of monodispersed porous CoFe <sub>2</sub> O <sub>4</sub> nanospheres on graphene as an efficient electrocatalyst for oxygen reduction and evolution reactions. <i>RSC Advances</i> , <b>2016</b> , 6, 307-313	3.7	36

59	Ni-doped CoFe <sub>2</sub> O <sub>4</sub> Hollow Nanospheres as Efficient Bi-functional Catalysts. <i>Electrochimica Acta</i> , <b>2016</b> , 201, 172-178	6.7	82
58	NiCo <sub>2</sub> O <sub>4</sub> @La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> core-shell structured nanorods as efficient electrocatalyst for Li O <sub>2</sub> battery with enhanced performances. <i>Journal of Power Sources</i> , <b>2016</b> , 319, 19-26	8.9	37
57	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> hollow nanospheres as high efficient bi-functional catalysts for oxygen reduction and evolution reactions. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 8847-8854	6.7	87
56	Insights into the Catalytic Activity of Barium Carbonate for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 22895-22902	3.8	11
55	Yolk-shell N/P/B ternary-doped biocarbon derived from yeast cells for enhanced oxygen reduction reaction. <i>Carbon</i> , <b>2016</b> , 107, 907-916	10.4	51
54	Carbon-Coated Perovskite BaMnO <sub>3</sub> Porous Nanorods with Enhanced Electrocatalytic Perporites for Oxygen Reduction and Oxygen Evolution. <i>Electrochimica Acta</i> , <b>2015</b> , 174, 551-556	6.7	53
53	MnCo <sub>2</sub> O <sub>4</sub> Anchored on P-Doped Hierarchical Porous Carbon as an Electrocatalyst for High-Performance Rechargeable LiO <sub>2</sub> Batteries. <i>ACS Catalysis</i> , <b>2015</b> , 5, 4890-4896	13.1	97
52	Comparative assessment of synthetic strategies toward active platinum-rhodium in electrocatalysts for efficient ethanol electro-oxidation. <i>Journal of Power Sources</i> , <b>2015</b> , 294, 299-304	8.9	16
51	Ternary doping of phosphorus, nitrogen, and sulfur into porous carbon for enhancing electrocatalytic oxygen reduction. <i>Carbon</i> , <b>2015</b> , 92, 327-338	10.4	125
50	FeCo <sub>2</sub> O <sub>4</sub> /hollow graphene spheres hybrid with enhanced electrocatalytic activities for oxygen reduction and oxygen evolution reaction. <i>Carbon</i> , <b>2015</b> , 92, 74-83	10.4	113
49	One-pot fabrication of yolk-shell structured La <sub>0.9</sub> Sr <sub>0.1</sub> CoO <sub>3</sub> perovskite microspheres with enhanced catalytic activities for oxygen reduction and evolution reactions. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22448-22453	13	50
48	Surface modification of MnCo <sub>2</sub> O <sub>4</sub> with conducting polypyrrole as a highly active bifunctional electrocatalyst for oxygen reduction and oxygen evolution reaction. <i>Electrochimica Acta</i> , <b>2015</b> , 180, 788-794	6.7	57
47	Sulfur-doped carbon spheres as efficient metal-free electrocatalysts for oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2015</b> , 178, 806-812	6.7	55
46	Carbon-coating functionalized La <sub>0.6</sub> Sr <sub>1.4</sub> MnO <sub>4</sub> +layered perovskite oxide: enhanced catalytic activity for the oxygen reduction reaction. <i>RSC Advances</i> , <b>2015</b> , 5, 974-980	3.7	25
45	Enhanced catalytic activity for the oxygen reduction reaction with co-doping of phosphorus and iron in carbon. <i>Journal of Power Sources</i> , <b>2015</b> , 277, 161-168	8.9	38
44	Synthesis of phosphorus-doped carbon hollow spheres as efficient metal-free electrocatalysts for oxygen reduction. <i>Carbon</i> , <b>2015</b> , 82, 562-571	10.4	194
43	Preparation and electrocatalytic activity of 3D hierarchical porous spinel CoFe <sub>2</sub> O <sub>4</sub> hollow nanospheres as efficient catalyst for Oxygen Reduction Reaction and Oxygen Evolution Reaction. <i>Electrochimica Acta</i> , <b>2015</b> , 151, 276-283	6.7	86
42	Exceptional Activity of a PtRhNi Ternary Nanostructured Catalyst for the Electrochemical Oxidation of Ethanol. <i>ChemElectroChem</i> , <b>2015</b> , 2, 903-908	4.3	46

41	MnOx decorated CeO2 nanorods as cathode catalyst for rechargeable lithium-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13563-13567	13	53
40	Microporous La0.8Sr0.2MnO3 perovskite nanorods as efficient electrocatalysts for lithium-air battery. <i>Journal of Power Sources</i> , <b>2015</b> , 293, 726-733	8.9	79
39	Nitrogen- and Phosphorus-Doped Biocarbon with Enhanced Electrocatalytic Activity for Oxygen Reduction. <i>ACS Catalysis</i> , <b>2015</b> , 5, 920-927	13.1	124
38	An Efficient Bi-functional Electrocatalyst Based on Strongly Coupled CoFe <sub>2</sub> O <sub>4</sub> /Carbon Nanotubes Hybrid for Oxygen Reduction and Oxygen Evolution. <i>Electrochimica Acta</i> , <b>2015</b> , 177, 65-72	6.7	73
37	A CoFe <sub>2</sub> O <sub>4</sub> /graphene nanohybrid as an efficient bi-functional electrocatalyst for oxygen reduction and oxygen evolution. <i>Journal of Power Sources</i> , <b>2014</b> , 250, 196-203	8.9	276
36	A novel bifunctional catalyst of Ba <sub>0.9</sub> Co <sub>0.5</sub> Fe <sub>0.4</sub> Nb <sub>0.1</sub> O <sub>3</sub> perovskite for lithium-air battery. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 2526-2530	6.7	55
35	Facile synthesis of gold-nanoparticle-decorated Gd <sub>(0.3)</sub> Ce <sub>(0.7)</sub> O <sub>(1.9)</sub> nanotubes with enhanced catalytic activity for oxygen reduction reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 847-53	9.5	30
34	A facile synthesis of CoFe <sub>2</sub> O <sub>4</sub> /biocarbon nanocomposites as efficient bi-functional electrocatalysts for the oxygen reduction and oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 18012-18017	13.1	96
33	A hierarchical NiCo <sub>2</sub> O <sub>4</sub> spinel nanowire array as an electrocatalyst for rechargeable Li-air batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 40373-40376	3.7	27
32	Efficient C-C bond splitting on Pt monolayer and sub-monolayer catalysts during ethanol electro-oxidation: Pt layer strain and morphology effects. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 18866-76	3.6	42
31	Hollow spherical La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> perovskite oxide with enhanced catalytic activities for the oxygen reduction reaction. <i>Journal of Power Sources</i> , <b>2014</b> , 271, 55-59	8.9	62
30	Electrochemical Properties of MnCo <sub>2</sub> O <sub>4</sub> Spinel Bifunctional Catalyst for Oxygen Reduction and Evolution Reaction. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, H296-H300	3.9	56
29	Ethanol Electro-Oxidation on Ternary Platinum-Rhodium in Nanocatalysts: Insights in the Atomic 3D Structure of the Active Catalytic Phase. <i>ACS Catalysis</i> , <b>2014</b> , 4, 1859-1867	13.1	87
28	Synthesis and electrocatalytic activity of phosphorus-doped carbon xerogel for oxygen reduction. <i>Electrochimica Acta</i> , <b>2014</b> , 127, 53-60	6.7	78
27	Synthesis and electrocatalytic activity of phosphorus and Co co-doped mesoporous carbon for oxygen reduction. <i>Electrochemistry Communications</i> , <b>2014</b> , 42, 46-49	5.1	35
26	Facile synthesis and excellent electrochemical properties of NiCo <sub>2</sub> O <sub>4</sub> spinel nanowire arrays as a bifunctional catalyst for the oxygen reduction and evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 12170	13	250
25	Phosphorus-doped porous carbons as efficient electrocatalysts for oxygen reduction. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9889	13	193
24	Electrochemical study of Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> perovskite as bifunctional catalyst in alkaline media. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 10389-10393	6.7	70

23	Preparation and electrochemical properties of urchin-like La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> perovskite oxide as a bifunctional catalyst for oxygen reduction and oxygen evolution reaction. <i>Journal of Power Sources</i> , <b>2013</b> , 241, 225-230	8.9	156
22	Dealloyed PdCu <sub>3</sub> thin film electrocatalysts for oxygen reduction reaction. <i>Journal of Power Sources</i> , <b>2013</b> , 222, 169-176	8.9	50
21	Cooperation between Active Material, Polymeric Binder and Conductive Carbon Additive in Lithium Ion Battery Cathode. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 4875-4882	3.8	211
20	Growth Trajectories and Coarsening Mechanisms of Metal Nanoparticle Electrocatalysts. <i>ChemCatChem</i> , <b>2012</b> , 4, 766-770	5.2	25
19	Dealloying of Cu <sub>3</sub> Pt (111) Studied by Surface X-ray Scattering. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 9074-9080	3.8	61
18	Structure of Dealloyed PtCu <sub>3</sub> Thin Films and Catalytic Activity for Oxygen Reduction. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4712-4720	9.6	166
17	Fe <sub>3</sub> C Oxygen-Reduction Catalysts Supported on Burned-Off Activated Carbon. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, B493	3.9	13
16	Fe <sub>3</sub> C Oxygen-Reduction Catalysts Prepared by Mechanochemical Reaction. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B327	3.9	11
15	Investigation of Activity of Sputtered Transition-Metal (TM) <sub>3</sub> C (TM = V, Cr, Mn, Co, Ni) Catalysts for Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B79	3.9	50
14	Magnetron Sputtered Fe <sub>3</sub> C, FeC, and C Based Oxygen Reduction Electrocatalysts. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B547	3.9	40
13	Impact of Loading in RRDE Experiments on Fe <sub>3</sub> C Catalysts: Two- or Four-Electron Oxygen Reduction?. <i>Electrochemical and Solid-State Letters</i> , <b>2008</b> , 11, B105		206
12	The effect of boron doping into Co-C-N and Fe-C-N electrocatalysts on the oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 2423-2429	6.7	21
11	Investigation of Sputtered Ta-Ni-C as an Electrocatalyst for the Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, B1	3.9	14
10	Thermal Evolution of the Structure and Activity of Magnetron-Sputtered TM <sub>3</sub> C (TM=Fe, Co) Oxygen Reduction Catalysts. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, B6		44
9	Co <sub>3</sub> C Oxygen Reduction Catalysts Prepared by Combinatorial Magnetron Sputter Deposition. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, A275	3.9	62
8	Dependence of the Activity of Sputtered Co <sub>3</sub> C Oxygen Reduction Electrocatalysts on Heat-Treatment Temperature. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, B893	3.9	27
7	A spontaneous combustion reaction for synthesizing Pt hollow capsules using colloidal carbon spheres as templates. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 4083-90	4.8	51
6	Thermally Treated Fe-C-N Oxygen Reduction Catalysts Prepared by Vacuum Deposition. <i>ECS Transactions</i> , <b>2006</b> , 3, 241-248	1	5



5	Cage-like carbon nanotubes/Si composite as anode material for lithium ion batteries. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 51-54	5.1	157
4	Monodispersed hard carbon spherules as a catalyst support for the electrooxidation of methanol. <i>Carbon</i> , <b>2005</b> , 43, 11-16	10.4	120
3	Synthesis and characterization of single-crystalline nanorods of $\text{MnO}_2$ and $\text{MnOOH}$ . <i>Materials Chemistry and Physics</i> , <b>2005</b> , 93, 149-153	4.4	102
2	Nano $\text{Co}_3\text{O}_4$ Particles Embedded in Porous Hard Carbon Spherules as Anode Material for Li-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , <b>2004</b> , 7, A496		57
1	Encapsulation of Pt Nanocrystals inside Pyrolyzed UiO-66-NH <sub>2</sub> Metal-Organic Framework Supports as Oxygen Reduction Catalysts. <i>ACS Applied Nano Materials</i> ,	5.6	1