Ruizhi Yang

List of Publications by Citations

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	NiCo Alloy Nanoparticles Decorated on N-Doped Carbon Nanofibers as Highly Active and Durable Oxygen Electrocatalyst. *Advanced Functional Materials*, **2018**, 28, 1705094	15.6	280
129	A CoFe2O4/graphene nanohybrid as an efficient bi-functional electrocatalyst for oxygen reduction and oxygen evolution. *Journal of Power Sources*, **2014**, 250, 196-203	8.9	276
128	Facile synthesis and excellent electrochemical properties of NiCo2O4 spinel nanowire arrays as a bifunctional catalyst for the oxygen reduction and evolution reaction. *Journal of Materials Chemistry A*, **2013**, 1, 12170	13	250
127	Cooperation between Active Material, Polymeric Binder and Conductive Carbon Additive in Lithium Ion Battery Cathode. *Journal of Physical Chemistry C*, **2012**, 116, 4875-4882	3.8	211
126	Impact of Loading in RRDE Experiments on Fe-N-C Catalysts: Two- or Four-Electron Oxygen Reduction?. *Electrochemical and Solid-State Letters*, **2008**, 11, B105		206
125	Synthesis of phosphorus-doped carbon hollow spheres as efficient metal-free electrocatalysts for oxygen reduction. *Carbon*, **2015**, 82, 562-571	10.4	194
124	Phosphorus-doped porous carbons as efficient electrocatalysts for oxygen reduction. *Journal of Materials Chemistry A*, **2013**, 1, 9889	13	193
123	N-, P-, and S-doped graphene-like carbon catalysts derived from onium salts with enhanced oxygen chemisorption for Zn-air battery cathodes. *Applied Catalysis B: Environmental*, **2019**, 241, 442-451	21.8	190
122	Structure of Dealloyed PtCu3 Thin Films and Catalytic Activity for Oxygen Reduction. *Chemistry of Materials*, **2010**, 22, 4712-4720	9.6	166
121	Cage-like carbon nanotubes/Si composite as anode material for lithium ion batteries. *Electrochemistry Communications*, **2006**, 8, 51-54	5.1	157
120	Preparation and electrochemical properties of urchin-like La0.8Sr0.2MnO3 perovskite oxide as a bifunctional catalyst for oxygen reduction and oxygen evolution reaction. *Journal of Power Sources*, **2013**, 241, 225-230	8.9	156
119	Ternary doping of phosphorus, nitrogen, and sulfur into porous carbon for enhancing electrocatalytic oxygen reduction. *Carbon*, **2015**, 92, 327-338	10.4	125
118	Nitrogen- and Phosphorus-Doped Biocarbon with Enhanced Electrocatalytic Activity for Oxygen Reduction. *ACS Catalysis*, **2015**, 5, 920-927	13.1	124
117	Nitrogen/sulfur dual-doped 3D reduced graphene oxide networks-supported CoFe2O4 with enhanced electrocatalytic activities for oxygen reduction and evolution reactions. *Carbon*, **2016**, 99, 195-202	10.4	122
116	Monodispersed hard carbon spherules as a catalyst support for the electrooxidation of methanol. *Carbon*, **2005**, 43, 11-16	10.4	120
115	Cobalt Sulfide Embedded in Porous Nitrogen-doped Carbon as a Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions. *Electrochimica Acta*, **2016**, 191, 776-783	6.7	114
114	FeCo2O4/hollow graphene spheres hybrid with enhanced electrocatalytic activities for oxygen reduction and oxygen evolution reaction. *Carbon*, **2015**, 92, 74-83	10.4	113

113	Synthesis and characterization of single-crystalline nanorods of □MnO2 and □MnOOH. *Materials Chemistry and Physics*, **2005**, 93, 149-153	4.4	102
112	MnCo2O4 Anchored on P-Doped Hierarchical Porous Carbon as an Electrocatalyst for High-Performance Rechargeable Li□O2 Batteries. *ACS Catalysis*, **2015**, 5, 4890-4896	13.1	97
111	Recent Advances in Non-Noble Bifunctional Oxygen Electrocatalysts toward Large-Scale Production. *Advanced Functional Materials*, **2020**, 30, 2000503	15.6	96
110	A facile synthesis of CoFe2O4/biocarbon nanocomposites as efficient bi-functional electrocatalysts for the oxygen reduction and oxygen evolution reaction. *Journal of Materials Chemistry A*, **2014**, 2, 18012-18017	13	96
109	Biomass lysine-derived nitrogen-doped carbon hollow cubes via a NaCl crystal template: an efficient bifunctional electrocatalyst for oxygen reduction and evolution reactions. *Nanoscale*, **2017**, 9, 1059-1067	7.7	95
108	Ethanol Electro-Oxidation on Ternary Platinum□Rhodium□Tin Nanocatalysts: Insights in the Atomic 3D Structure of the Active Catalytic Phase. *ACS Catalysis*, **2014**, 4, 1859-1867	13.1	87
107	Hierarchical NiCo2O4 hollow nanospheres as high efficient bi-functional catalysts for oxygen reduction and evolution reactions. *International Journal of Hydrogen Energy*, **2016**, 41, 8847-8854	6.7	87
106	Preparation and electrocatalytic activity of 3D hierarchical porous spinel CoFe2O4 hollow nanospheres as efficient catalyst for Oxygen Reduction Reaction and Oxygen Evolution Reaction. *Electrochimica Acta*, **2015**, 151, 276-283	6.7	86
105	Ni-doped CoFe2O4 Hollow Nanospheres as Efficient Bi-functional Catalysts. *Electrochimica Acta*, **2016**, 201, 172-178	6.7	82
104	Microporous La0.8Sr0.2MnO3 perovskite nanorods as efficient electrocatalysts for lithium□air battery. *Journal of Power Sources*, **2015**, 293, 726-733	8.9	79
103	Synthesis and electrocatalytic activity of phosphorus-doped carbon xerogel for oxygen reduction. *Electrochimica Acta*, **2014**, 127, 53-60	6.7	78
102	SARS-CoV-2 turned positive in a discharged patient with COVID-19 arouses concern regarding the present standards for discharge. *International Journal of Infectious Diseases*, **2020**, 97, 212-214	10.5	76
101	An Efficient Bi-functional Electrocatalyst Based on Strongly Coupled CoFe 2 O 4 /Carbon Nanotubes Hybrid for Oxygen Reduction and Oxygen Evolution. *Electrochimica Acta*, **2015**, 177, 65-72	6.7	73
100	Electrochemical study of Ba0.5Sr0.5Co0.8Fe0.2O3 perovskite as bifunctional catalyst in alkaline media. *International Journal of Hydrogen Energy*, **2013**, 38, 10389-10393	6.7	70
99	In situ preparation of hollow Mo2C□ hybrid microspheres as bifunctional electrocatalysts for oxygen reduction and evolution reactions. *Journal of Materials Chemistry A*, **2016**, 4, 12583-12590	13	65
98	Hollow spherical La0.8Sr0.2MnO3 perovskite oxide with enhanced catalytic activities for the oxygen reduction reaction. *Journal of Power Sources*, **2014**, 271, 55-59	8.9	62
97	Co□□N Oxygen Reduction Catalysts Prepared by Combinatorial Magnetron Sputter Deposition. *Journal of the Electrochemical Society*, **2007**, 154, A275	3.9	62
96	Dealloying of Cu3Pt (111) Studied by Surface X-ray Scattering. *Journal of Physical Chemistry C*, **2011**, 115, 9074-9080	3.8	61

95	Surface modification of MnCo2O4 with conducting polypyrrole as a highly active bifunctional electrocatalyst for oxygen reduction and oxygen evolution reaction. *Electrochimica Acta*, **2015**, 180, 788-794	6.7	57
94	Nano Co[sub 3]O[sub 4] Particles Embedded in Porous Hard Carbon Spherules as Anode Material for Li-Ion Batteries. *Electrochemical and Solid-State Letters*, **2004**, 7, A496		57
93	Electrochemical Properties of MnCo2O4Spinel Bifunctional Catalyst for Oxygen Reduction and Evolution Reaction. *Journal of the Electrochemical Society*, **2014**, 161, H296-H300	3.9	56
92	Sulfur-doped carbon spheres as efficient metal-free electrocatalysts for oxygen reduction reaction. *Electrochimica Acta*, **2015**, 178, 806-812	6.7	55
91	A novel bifunctional catalyst of Ba0.9Co0.5Fe0.4Nb0.1O3□perovskite for lithium–air battery. *International Journal of Hydrogen Energy*, **2014**, 39, 2526-2530	6.7	55
90	Carbon-Coated Perovskite BaMnO3 Porous Nanorods with Enhanced Electrocatalytic Perporites for Oxygen Reduction and Oxygen Evolution. *Electrochimica Acta*, **2015**, 174, 551-556	6.7	53
89	Indiscrete metal/metal-N-C synergic active sites for efficient and durable oxygen electrocatalysis toward advanced Zn-air batteries. *Applied Catalysis B: Environmental*, **2020**, 272, 118967	21.8	53
88	MnOx decorated CeO2 nanorods as cathode catalyst for rechargeable lithium–air batteries. *Journal of Materials Chemistry A*, **2015**, 3, 13563-13567	13	53
87	Bacterial-cellulose-derived carbon nanofiber-supported CoFe2O4 as efficient electrocatalyst for oxygen reduction and evolution reactions. *International Journal of Hydrogen Energy*, **2016**, 41, 5351-5360	6.7	51
86	A spontaneous combustion reaction for synthesizing Pt hollow capsules using colloidal carbon spheres as templates. *Chemistry - A European Journal*, **2006**, 12, 4083-90	4.8	51
85	Yolk-shell N/P/B ternary-doped biocarbon derived from yeast cells for enhanced oxygen reduction reaction. *Carbon*, **2016**, 107, 907-916	10.4	51
84	One-pot fabrication of yolk–shell structured La0.9Sr0.1CoO3 perovskite microspheres with enhanced catalytic activities for oxygen reduction and evolution reactions. *Journal of Materials Chemistry A*, **2015**, 3, 22448-22453	13	50
83	Dealloyed PdCu3 thin film electrocatalysts for oxygen reduction reaction. *Journal of Power Sources*, **2013**, 222, 169-176	8.9	50
82	Investigation of Activity of Sputtered Transition-Metal (TM)□□N (TM = V, Cr, Mn, Co, Ni) Catalysts for Oxygen Reduction Reaction. *Journal of the Electrochemical Society*, **2008**, 155, B79	3.9	50
81	Exceptional Activity of a Pt–Rh–Ni Ternary Nanostructured Catalyst for the Electrochemical Oxidation of Ethanol. *ChemElectroChem*, **2015**, 2, 903-908	4.3	46
80	Thermal Evolution of the Structure and Activity of Magnetron-Sputtered TM□□N (TM=Fe, Co) Oxygen Reduction Catalysts. *Electrochemical and Solid-State Letters*, **2007**, 10, B6		44
79	Efficient C-C bond splitting on Pt monolayer and sub-monolayer catalysts during ethanol electro-oxidation: Pt layer strain and morphology effects. *Physical Chemistry Chemical Physics*, **2014**, 16, 18866-76	3.6	42
78	Magnetron Sputtered Fe□□N, Fe□, and C□N Based Oxygen Reduction Electrocatalysts. *Journal of the Electrochemical Society*, **2008**, 155, B547	3.9	40

77	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-O2 batteries. *Energy Storage Materials*, **2019**, 17, 226-233	19.4	39
76	Enhanced catalytic activity for the oxygen reduction reaction with co-doping of phosphorus and iron in carbon. *Journal of Power Sources*, **2015**, 277, 161-168	8.9	38
75	A high-performance oxygen electrode for Li□O2 batteries: Mo2C nanoparticles grown on carbon fibers. *Journal of Materials Chemistry A*, **2017**, 5, 5690-5695	13	37
74	NiCo2O4@La0.8Sr0.2MnO3 core□shell structured nanorods as efficient electrocatalyst for Li O2 battery with enhanced performances. *Journal of Power Sources*, **2016**, 319, 19-26	8.9	37
73	One-pot synthesis of monodispersed porous CoFe2O4 nanospheres on graphene as an efficient electrocatalyst for oxygen reduction and evolution reactions. *RSC Advances*, **2016**, 6, 307-313	3.7	36
72	Synthesis and electrocatalytic activity of phosphorus and Co co-doped mesoporous carbon for oxygen reduction. *Electrochemistry Communications*, **2014**, 42, 46-49	5.1	35
71	Universal Crafted MO-MXene Heterostructures as Heavy and Multifunctional Hosts for 3D-Printed Li-S Batteries. *ACS Nano*, **2020**, 14, 16073-16084	16.7	31
70	Facile synthesis of gold-nanoparticle-decorated Gd(0.3)Ce(0.7)O(1.9) nanotubes with enhanced catalytic activity for oxygen reduction reaction. *ACS Applied Materials & Interfaces*, **2014**, 6, 847-53	9.5	30
69	Nitrogen-doped hollow carbon polyhedron derived from salt-encapsulated ZIF-8 for efficient oxygen reduction reaction. *Carbon*, **2021**, 171, 320-328	10.4	30
68	A facile strategy to improve the electrochemical stability of a lithium ion conducting Li10GeP2S12 solid electrolyte. *Solid State Ionics*, **2017**, 301, 59-63	3.3	29
67	Oxygen defect-ridden molybdenum oxide-coated carbon catalysts for Li-O2 battery cathodes. *Applied Catalysis B: Environmental*, **2019**, 253, 317-322	21.8	29
66	A hierarchical NiCo2O4 spinel nanowire array as an electrocatalyst for rechargeable Li□air batteries. *RSC Advances*, **2014**, 4, 40373-40376	3.7	27
65	Dependence of the Activity of Sputtered Co□□N Oxygen Reduction Electrocatalysts on Heat-Treatment Temperature. *Journal of the Electrochemical Society*, **2007**, 154, B893	3.9	27
64	Multilayer hollow MnCo2O4 microsphere with oxygen vacancies as efficient electrocatalyst for oxygen evolution reaction. *Chemical Engineering Journal*, **2021**, 421, 127831	14.7	27
63	Cobalt phosphide microsphere as an efficient bifunctional oxygen catalyst for Li-air batteries. *Journal of Alloys and Compounds*, **2018**, 750, 655-658	5.7	26
62	Carbon-coating functionalized La0.6Sr1.4MnO4+□layered perovskite oxide: enhanced catalytic activity for the oxygen reduction reaction. *RSC Advances*, **2015**, 5, 974-980	3.7	25
61	Enhanced high-voltage cycling stability of Ni-rich cathode materials via the self-assembly of Mn-rich shells. *Journal of Materials Chemistry A*, **2019**, 7, 20262-20273	13	25
60	Growth Trajectories and Coarsening Mechanisms of Metal Nanoparticle Electrocatalysts. *ChemCatChem*, **2012**, 4, 766-770	5.2	25

59	MnCo O /MoO Nanosheets Grown on Ni foam as Carbon- and Binder-Free Cathode for Lithium-Oxygen Batteries. *ChemSusChem*, **2018**, 11, 574-579	8.3	25
58	Cotton pad-derived large-area 3D N-doped graphene-like full carbon cathode with an O-rich functional group for flexible all solid Zn□air batteries. *Journal of Materials Chemistry A*, **2020**, 8, 11202-11209	13	24
57	When MOFs meet MXenes: superior ORR performance in both alkaline and acidic solutions. *Journal of Materials Chemistry A*, **2021**, 9, 3952-3960	13	24
56	Enhanced overall water electrolysis on a bifunctional perovskite oxide through interfacial engineering. *Electrochimica Acta*, **2019**, 318, 120-129	6.7	23
55	Concurrent realization of dendrite-free anode and high-loading cathode via 3D printed N-Ti3C2 MXene framework toward advanced Li□ full batteries. *Energy Storage Materials*, **2021**, 41, 141-151	19.4	22
54	One-pot synthesis of boron-doped ordered mesoporous carbons as efficient electrocatalysts for the oxygen reduction reaction. *RSC Advances*, **2016**, 6, 24728-24737	3.7	21
53	The effect of boron doping into Co-C-N and Fe-C-N electrocatalysts on the oxygen reduction reaction. *Electrochimica Acta*, **2008**, 53, 2423-2429	6.7	21
52	Al2O3-surface modification of LiCoO2 cathode with improved cyclic performance. *Journal of Electroanalytical Chemistry*, **2017**, 795, 59-67	4.1	20
51	Synergized Multimetal Oxides with Amorphous/Crystalline Heterostructure as Efficient Electrocatalysts for Lithium□Oxygen Batteries. *Advanced Energy Materials*, **2021**, 11, 2100110	21.8	20
50	A Self-Jet Vapor-Phase Growth of 3D FeNi@NCNT Clusters as Efficient Oxygen Electrocatalysts for Zinc-Air Batteries. *Small*, **2021**, 17, e2006183	11	20
49	Enhanced electrocatalytic activity of FeCo2O4 interfacing with CeO2 for oxygen reduction and evolution reactions. *Electrochemistry Communications*, **2018**, 93, 35-38	5.1	19
48	B, N Co-Doped ordered mesoporous carbon with enhanced electrocatalytic activity for the oxygen reduction reaction. *Journal of Alloys and Compounds*, **2020**, 824, 153908	5.7	19
47	Phosphorus-doped hierarchical porous carbon as efficient metal-free electrocatalysts for oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2019**, 44, 12941-12951	6.7	18
46	MnCo2O4 decorated Magn□ phase titanium oxide as a carbon-free cathode for Li□O2 batteries. *Journal of Materials Chemistry A*, **2017**, 5, 19991-19996	13	18
45	La2O3-NCNTs hybrids in-situ derived from LaNi0.9Fe0.1O3-C composites as novel robust bifunctional oxygen electrocatalysts. *Carbon*, **2017**, 115, 261-270	10.4	16
44	Comparative assessment of synthetic strategies toward active platinum□hodium□in electrocatalysts for efficient ethanol electro-oxidation. *Journal of Power Sources*, **2015**, 294, 299-304	8.9	16
43	PdAuCu Nanobranch as Self-Repairing Electrocatalyst for Oxygen Reduction Reaction. *ChemSusChem*, **2017**, 10, 1469-1474	8.3	15
42	Phosphorus and cobalt co-doped reduced graphene oxide bifunctional electrocatalyst for oxygen reduction and evolution reactions. *RSC Advances*, **2016**, 6, 64155-64164	3.7	15

41	Investigation of Sputtered Ta-Ni-C as an Electrocatalyst for the Oxygen Reduction Reaction. *Journal of the Electrochemical Society*, **2007**, 154, B1	3.9	14
40	Ni3Fe nanoalloys embedded in N-doped carbon derived from dual-metal ZIF: Efficient bifunctional electrocatalyst for Zn-air battery. *Carbon*, **2021**, 174, 475-483	10.4	14
39	Enhanced electrocatalytic performances of □Fe2O3 pseudo-nanocubes for oxygen reduction reaction in alkaline solution with conductive coating. *International Journal of Hydrogen Energy*, **2017**, 42, 20711-20719	6.7	13
38	Fe□□ Oxygen-Reduction Catalysts Supported on □Burned-Off□Activated Carbon. *Journal of the Electrochemical Society*, **2009**, 156, B493	3.9	13
37	Enhanced Electrocatalytic Performance of Self-supported AuCuCo for Oxygen Reduction and Evolution Reactions. *Electrochimica Acta*, **2017**, 252, 261-267	6.7	12
36	Design and synthesis of hierarchical, freestanding bowl-like NiCo2O4 as cathode for long-life Li-O2 batteries. *Materials Today Energy*, **2017**, 5, 214-221	7	12
35	Phosphorus-doped SrCo0.5Mo0.5O3 perovskites with enhanced bifunctional oxygen catalytic activities. *International Journal of Hydrogen Energy*, **2018**, 43, 20727-20733	6.7	12
34	Onium salts-derived B and P dual-doped carbon microspheres as anode material for high-performance sodium-ion batteries. *Electrochemistry Communications*, **2019**, 103, 22-26	5.1	11
33	Oxygen Reduction Reaction on Au Revisited at Different pH Values using in situ Surface-Enhanced Raman Spectroscopy. *ChemSusChem*, **2020**, 13, 2702-2708	8.3	11
32	On electrochemistry of Al2O3-coated LiCoO2 composite cathode with improved cycle stability. *Ionics*, **2016**, 22, 629-636	2.7	11
31	Highly efficient AuNi-Cu2O electrocatalysts for the oxygen reduction and evolution reactions: Important role of interaction between Au and Ni engineered by leaching of Cu2O. *Electrochimica Acta*, **2018**, 283, 1411-1417	6.7	11
30	Fe□□N Oxygen-Reduction Catalysts Prepared by Mechanochemical Reaction. *Journal of the Electrochemical Society*, **2008**, 155, B327	3.9	11
29	Insights into the Catalytic Activity of Barium Carbonate for Oxygen Reduction Reaction. *Journal of Physical Chemistry C*, **2016**, 120, 22895-22902	3.8	11
28	Self-Supported PtAuCu@Cu2O/Pt Hybrid Nanobranch as a Robust Electrocatalyst for the Oxygen Reduction Reaction. *ChemElectroChem*, **2017**, 4, 1554-1559	4.3	9
27	Mildly Oxidized MXene (TiC, NbC, and VC) Electrocatalyst via a Generic Strategy Enables Longevous Li-O Battery under a High Rate. *ACS Nano*, **2021**,	16.7	9
26	Enhanced Electrocatalytic Activity of Murdochite-Type NiMnO for Water Oxidation via Surface Reconstruction. *ACS Applied Materials & Interfaces*, **2020**, 12, 39205-39214	9.5	9
25	Templated-Assisted Synthesis of Structurally Ordered Intermetallic PtCo with Ultralow Loading Supported on 3D Porous Carbon for Oxygen Reduction Reaction. *ACS Applied Materials & Interfaces*, **2021**, 13, 37133-37141	9.5	8
24	Unraveling the lithiophilic nature of heteroatom-doped carbons for efficient oxygen reduction in Li□2 batteries. *Carbon*, **2021**, 178, 436-442	10.4	7

23	Prepation of perovskite oxides/(CoFe)P2 heterointerfaces to improve oxygen evolution activity of La0.8Sr1.2Co0.2Fe0.8O4+δ layered perovskite oxide. *International Journal of Hydrogen Energy*, **2020**, 45, 22959-22964	6.7	6
22	Nitrogen-doped carbon derived from onion waste as anode material for high performance sodium-ion battery. *Solid State Ionics*, **2020**, 346, 115223	3.3	6
21	Porous yolk-shell microspheres as N-doped carbon matrix for motivating the oxygen reduction activity of oxygen evolution oriented materials. *Nanotechnology*, **2017**, 28, 365403	3.4	5
20	Thermally Treated Fe-C-N Oxygen Reduction Catalysts Prepared by Vacuum Deposition. *ECS Transactions*, **2006**, 3, 241-248	1	5
19	A flexible composite electrolyte membrane with ultrahigh LLZTO garnet content for quasi solid state Li-air batteries. *Solid State Ionics*, **2020**, 351, 115340	3.3	5
18	Boron and phosphorous co-doped porous carbon as high-performance anode for sodium-ion battery. *Solid State Ionics*, **2020**, 356, 115455	3.3	5
17	Construction of 3D porous CeO2 ceramic hosts with enhanced lithiophilicity for dendrite-free lithium metal anode. *Journal of Power Sources*, **2021**, 484, 229253	8.9	5
16	Electrospun nanofibers and their applications in rechargeable zinc–air batteries. *Materials Chemistry Frontiers*, **2021**, 5, 2950-2966	7.8	5
15	Spinel oxides wrapped on electrospun carbon nanofibers: Superior electrocatalysts boosted by enhanced conductivity and rich oxygen vacancies. *International Journal of Hydrogen Energy*, **2020**, 45, 22873-22882	6.7	4
14	Honeycomb-like Self-Supported CoNiC Catalysts with an Ultrastable Structure: Highly Efficient Electrocatalysts toward Oxygen Reduction Reaction in Alkaline and Acidic Solutions. *ACS Applied Energy Materials*, **2021**, 4, 2522-2530	6.1	4
13	Cotton pad derived 3D lithiophilic carbon host for robust Li metal anode: In-situ generated ionic conductive Li3N protective decoration. *Chemical Engineering Journal*, **2021**, 132722	14.7	4
12	Boosting the catalysis of AuCuMo for oxygen reduction: Important roles of an optimized electronic structure and surface electrochemical stability. *Journal of Alloys and Compounds*, **2020**, 837, 155552	5.7	3
11	Electronic, optical, and water solubility properties of two-dimensional layered SnSi2N4 from first principles. *Physical Review B*, **2021**, 103,	3.3	3
10	Defected molybdenum disulfide catalyst engineered by nitrogen doping for advanced lithium–oxygen battery. *Electrochimica Acta*, **2021**, 383, 138369	6.7	3
9	PPy-derived N, P co-doped hollow carbon fiber decorated with island-like Ni2P nanoparticles as bifunctional oxygen electrocatalysts. *Journal of Electroanalytical Chemistry*, **2021**, 882, 115013	4.1	3
8	NiFeMo Nanoparticles Encapsulated within Nitrogen-Doped Reduced Graphene Oxide as Bifunctional Electrocatalysts for Zinc-Air Batteries. *ChemElectroChem*, **2021**, 8, 524-531	4.3	2
7	Free-Standing N, P Codoped Hollow Carbon Fibers as Efficient Hosts for Stable Lithium Metal Anodes. *ACS Applied Energy Materials*, **2021**, 4, 14191-14197	6.1	2
6	Plasma-enhanced cycling durability of a Mo2C decorated N-doped carbon nanofiber electrocatalyst for Li–O2 battery cathodes. *Journal of Materials Chemistry A*, **2020**, 8, 14815-14821	13	1

5	Encapsulation of Pt Nanocrystals inside Pyrolyzed UiO-66-NH2 Metal□Organic Framework Supports as Oxygen Reduction Catalysts. *ACS Applied Nano Materials*,	5.6	1
4	Au@rGO modified Ni foam as a stable host for lithium metal anode. *Solid State Ionics*, **2021**, 364, 115636	3.3	1
3	Ru clusters anchored on Magnéli phase Ti4O7 nanofibers enables flexible and highly efficient Li□O2 batteries. *Energy Storage Materials*, **2022**, 50, 355-364	19.4	1
2	A-Site Doped Perovskite Oxide Strongly Interface Coupling with Carbon Nanotubes as a Promising Bifunctional Electrocatalyst for Solid-State Zn□Air Batteries. *Energy & Fuels*, **2021**, 35, 12700-12705	4.1	0
1	Tuning the Electronic Structure of W18O49 via Dual Doping for Efficient Oxygen Evolution Reaction. *ACS Applied Energy Materials*, **2022**, 5, 3208-3216	6.1	0