

Jun-Qing Pan

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

113
papers

2,271
citations

29
h-index

41
g-index

120
ext. papers

3,170
ext. citations

5.8
avg. IF

5.66
L-index

#	Paper	IF	Citations
113	Al-MOF-derived spindle-like hierarchical porous activated carbon for advanced supercapacitors.. <i>Dalton Transactions</i> , 2022 ,	4.3	1
112	Hierarchically porous carbon derived from magnesium-based metal-organic frameworks as advanced active material for supercapacitor. <i>Journal of Energy Storage</i> , 2022 , 49, 104071	7.8	5
111	Recent progress on porous carbon and its derivatives from plants as advanced electrode materials for supercapacitors. <i>Journal of Power Sources</i> , 2022 , 520, 230886	8.9	19
110	A new rapid synthesis of hexagonal prism Zn-MOF as a precursor at room temperature for energy storage through pre-ionization strategy. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1364-1373	9.3	6
109	Functionality and design of Co-MOFs: unique opportunities in electrocatalysts for oxygen reduction reaction. <i>Catalysis Science and Technology</i> , 2022 , 12, 1723-1740	5.5	0
108	Peony-shaped micron-sized NiO particles: their excellent electrochemical performances as anode materials of lithium ion batteries (LIBs). <i>Journal of Solid State Electrochemistry</i> , 2022 , 26, 985-996	2.6	1
107	A new desulfation process of spent lead paste via cyclic utilization of CO ₂ /H ₂ O. <i>Journal of Cleaner Production</i> , 2022 , 349, 131307	10.3	1
106	Accurately control the micropore/mesopore ratio to construct a new hierarchical porous carbon with ultrahigh capacitance and rate performance. <i>Journal of Power Sources</i> , 2022 , 532, 231324	8.9	4
105	The Ni-Mo-S Catalyst @Copper Foams with Excellent Stability and 1.5V Drive Electrolytic Water. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100500	4.6	2
104	Recent progress on porous carbon derived from Zn and Al based metal-organic frameworks as advanced materials for supercapacitor applications. <i>Journal of Energy Storage</i> , 2021 , 44, 103263	7.8	8
103	Pyrolytic carbon black-derived porous carbon with spherical skeleton as recovered and enduring electrode material for supercapacitor. <i>Journal of Energy Storage</i> , 2021 , 44, 103372	7.8	3
102	A new hexagonal porous carbon nanoplate material derived from Al-based metal organic framework for high performance supercapacitors. <i>Electrochimica Acta</i> , 2021 , 371, 137826	6.7	2
101	A green and economical approach to derive biomass porous carbon from freely available feather finger grass flower for advanced symmetric supercapacitors. <i>Journal of Energy Storage</i> , 2021 , 35, 102287	7.8	31
100	Fe ₇ C ₃ nanoparticles with in situ grown CNT on nitrogen doped hollow carbon cube with greatly enhanced conductivity and ORR performance for alkaline fuel cell. <i>Carbon</i> , 2021 , 174, 531-539	10.4	33
99	Hierarchically activated porous carbon derived from zinc-based fluorine containing metal-organic framework as extremely high specific capacitance and rate performance electrode material for advanced supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 9-19	9.3	10
98	CoMo carbide/nitride from bimetallic MOF precursors for enhanced OER performance. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 22268-22276	6.7	18
97	A novel in-situ preparation of N-rich spherical porous carbon as greatly enhanced material for high-performance supercapacitors. <i>Carbon</i> , 2021 , 171, 62-71	10.4	31

96	A facile synthesis of nano AgBr attached potato-like AgMoO composite as highly visible-light active photocatalyst for purification of industrial waste-water. <i>Environmental Pollution</i> , 2021 , 269, 116034	9.3	17
95	One-Step Electrodeposition Synthesis of Bimetal Fe- and Co-Doped NiPi/P for Highly Efficient Overall Water Splitting. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 2070-2078	3.9	8
94	A possible channel effect of the organics adsorbed to the electrode surface on interfacial electron transfer in the alkaline Pb electrodeposition process. <i>New Journal of Chemistry</i> , 2021 , 45, 10831-10838	3.6	
93	Rational Design and Growth of MOF-on-MOF Heterostructures. <i>Small</i> , 2021 , 17, e2100607	11	15
92	Couple of Nonpolarized/Polarized Electrodes Building a New Universal Electrochemical Energy Storage System with an Impressive Energy Density. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 45375-45384	9.5	4
91	A green and cost-effective process for recovery of high purity PbO from spent lead acid batteries. <i>Journal of Cleaner Production</i> , 2020 , 267, 122107	10.3	8
90	Fast Electrodeposited Nickel/Iron Hydroxide Nanosheets on Sintered Stainless Steel Felt as Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9885-9895	8.3	18
89	Hierarchical porous carbon derived from jujube fruits as sustainable and ultrahigh capacitance material for advanced supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 347-356	9.3	44
88	Leaching Br from high bromine containing circuit board smelting flue dust by sodium hydroxide solution: thermodynamics and kinetics study. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 8675-8684	5.5	4
87	A Facile Preparation of MnO ₂ as Cathode Material for High-Performance Zinc-Manganese Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 040517	3.9	8
86	A new facile process to remove Br from waste printed circuit boards smelting ash: Thermodynamic analysis and process parameter optimization. <i>Journal of Cleaner Production</i> , 2020 , 254, 120176	10.3	8
85	A facile preparation of Nickel Foam-supported Ni(OH) ₂ nano arrays via in-situ etching method with superior bendable electrochemical performance for wearable power supply. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155293	5.7	8
84	One-pot preparation of AgBr/Ag ₂ WO ₄ composite with superior photocatalytic activity under visible-light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 586, 124079	5.1	41
83	A facile single-pot synthesis of visible-light-driven AgBr/Ag ₂ CO ₃ composite as efficient photocatalytic material for water purification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 586, 124183	5.1	12
82	A new biomass derived rod-like porous carbon from tea-waste as inexpensive and sustainable energy material for advanced supercapacitor application. <i>Electrochimica Acta</i> , 2020 , 335, 135588	6.7	69
81	Modification of stainless steel fiber felt via in situ self-growth by electrochemical induction as a robust catalysis electrode for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 1810-1821	6.7	14
80	A tubular-like porous carbon derived from waste American poplar fruit as advanced electrode material for high-performance supercapacitor. <i>Journal of Energy Storage</i> , 2020 , 32, 101903	7.8	20
79	Phosphorus-doped CoS ₂ nanoparticles with greatly enhanced electrocatalytic performance as Pt-free catalyst for hydrogen evolution reaction in acidic electrolyte. <i>Ionics</i> , 2020 , 26, 6265-6275	2.7	5

78	Hierarchically Porous Biomass Carbon Derived from Natural Withered Rose Flowers as High-Performance Material for Advanced Supercapacitors. <i>Batteries and Supercaps</i> , 2020 , 3, 731-737	5.6	23
77	A coin like porous carbon derived from Al-MOF with enhanced hierarchical structure for fast charging and super long cycle energy storage. <i>Carbon</i> , 2019 , 154, 428-438	10.4	31
76	A novel coral structured porous-like amorphous carbon derived from zinc-based fluorinated metal-organic framework as superior cathode material for high performance supercapacitors. <i>Journal of Power Sources</i> , 2019 , 414, 401-411	8.9	36
75	A facile single-pot synthesis of WO ₃ /AgCl composite with enhanced photocatalytic and photoelectrochemical performance under visible-light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 567, 171-183	5.1	32
74	Nitrogen-doped hierarchically ellipsoidal porous carbon derived from Al-based metal-organic framework with enhanced specific capacitance and rate capability for high performance supercapacitors. <i>Journal of Power Sources</i> , 2019 , 432, 102-111	8.9	34
73	A facile hydrothermal synthesis of visible-light responsive BiFeWO ₆ /MoS ₂ composite as superior photocatalyst for degradation of organic pollutants. <i>Ceramics International</i> , 2019 , 45, 18683-18690	5.1	48
72	A novel carbon nanotubes@porous carbon/sulfur composite as efficient electrode material for high-performance lithium-sulfur battery. <i>Ionics</i> , 2019 , 25, 4761-4773	2.7	17
71	A facile one-pot synthesis of microspherical-shaped CoS ₂ /CNT composite as Pt-free electrocatalyst for efficient hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 16537-16547	6.7	22
70	Facile construction of N-doped Mo ₂ C@CNT composites with 3D nanospherical structures as an efficient electrocatalyst for hydrogen evolution reaction. <i>Ionics</i> , 2019 , 25, 4273-4283	2.7	11
69	Facile fabrication of a new BiFeWO ₆ /AgVO ₃ composite with efficient visible-light photocatalytic activity for dye-degradation. <i>Optical Materials</i> , 2019 , 92, 284-293	3.3	23
68	A new green, energy-saving, and pressing refining process for the recovery of ultrahigh-purity lead in alkaline solution from spent lead plate grids. <i>Ionics</i> , 2019 , 25, 3979-3990	2.7	3
67	Wrinkled Reduced Graphene Oxide Supported Nano Ag ₄ Bi ₂ O ₅ Rods as Greatly Enhanced Catalyst for Zinc-Air Battery. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A968-A974	3.9	9
66	A facile preparation of 3D flower-shaped Ni/Al-LDHs covered by Ni(OH) ₂ nanoplates as superior material for high power application. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 2526-2534	3.2	9
65	A facile preparation of nano-Ag ₄ Bi ₂ O ₅ /MnO _x on wrinkled rGO as greatly enhanced ternary catalyst for oxygen reduction reaction in alkaline electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 2737-2746	2.6	
64	Hollow-tubular porous carbon derived from cotton with high productivity for enhanced performance supercapacitor. <i>Journal of Power Sources</i> , 2019 , 438, 226936	8.9	43
63	A Facile Preparation of Hierarchical Ni(OH) ₂ @NiAl-LDHs Nanosheets on 3D Nickel Foam as Ultra High Rate Capability Cathode without Binder for Nickel Based Batteries. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A2273-A2279	3.9	3
62	Highly ordered hierarchical porous carbon derived from biomass waste mangosteen peel as superior cathode material for high performance supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 855, 113616	4.1	57
61	An energy saving and fluorine-free electrorefining process for ultrahigh purity lead refining. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 1191-1199	3.2	3

60	A novel rod-like porous carbon with ordered hierarchical pore structure prepared from Al-based metal-organic framework without template as greatly enhanced performance for supercapacitor. <i>Journal of Power Sources</i> , 2019 , 409, 13-23	8.9	57
59	High-performance nitrogen-doped hierarchical porous carbon derived from cauliflower for advanced supercapacitors. <i>Journal of Materials Science</i> , 2019 , 54, 2446-2457	4.3	28
58	Employing a 100 °C-dried mixture that contained KMnO ₄ and SnCl ₄ as an anode material for lithium ion batteries. <i>Materials Chemistry and Physics</i> , 2018 , 213, 422-430	4.4	2
57	NiCoFe-Layered Double Hydroxides/N-Doped Graphene Oxide Array Colloid Composite as an Efficient Bifunctional Catalyst for Oxygen Electrocatalytic Reactions. <i>Advanced Energy Materials</i> , 2018 , 8, 1701905	21.8	192
56	Influence of Electrolytic Conditions on the Preparation of NiOOH by Catalytic Electrolysis Method. <i>International Journal of Electrochemical Science</i> , 2018 , 2718-2730	2.2	2
55	Nickel foam-supported NiFe layered double hydroxides nanoflakes array as a greatly enhanced electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 21824-21834	6.7	32
54	A green and template-free synthesis process of superior carbon material with ellipsoidal structure as enhanced material for supercapacitors. <i>Journal of Power Sources</i> , 2018 , 405, 80-88	8.9	31
53	A Facile Synthesis of Visible-Light Driven Rod-on-Rod like FeOOH/AgVO ₃ Nanocomposite as Greatly Enhanced Photocatalyst for Degradation of Rhodamine B. <i>Catalysts</i> , 2018 , 8, 392	4	29
52	Preparation of 3D spherical Ni/Al LDHs with significantly enhanced electrochemical performance as a superior cathode material for Ni/MH batteries. <i>Electrochimica Acta</i> , 2018 , 289, 333-341	6.7	17
51	Highly activated porous carbon with 3D microspherical structure and hierarchical pores as greatly enhanced cathode material for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2018 , 391, 162-169	8.9	53
50	Ultrafast Electrodeposition of NiBe Hydroxide Nanosheets on Nickel Foam as Oxygen Evolution Anode for Energy-Saving Electrolysis of Na ₂ CO ₃ /NaHCO ₃ . <i>ChemElectroChem</i> , 2017 , 4, 1044-1050	4.3	23
49	Carbon nanodots prepared from NaOH-boiled graphene and its usage as a support of PdO for ethanol oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9766-9774	6.7	13
48	A green preparation method of battery grade PbO based on Pb-O ₂ fuel cell. <i>Journal of Power Sources</i> , 2017 , 360, 324-327	8.9	8
47	A Clean and Highly Efficient Leaching-Electrodeposition Lead Recovery Route in HClO ₄ Solution. <i>International Journal of Electrochemical Science</i> , 2017 , 6966-6979	2.2	10
46	A New Single Flow Zinc-Nickel Hybrid Battery Using a Ni(OH) ₂ -O ₂ Composite cathode. <i>International Journal of Electrochemical Science</i> , 2017 , 6022-6030	2.2	10
45	Preparation of Nano-Ag ₄ Bi ₂ O ₅ /Graphene Oxide Composite and Study of Its Catalytic Performance for Oxygen Reduction Reaction. <i>International Journal of Electrochemical Science</i> , 2017 , 1263-1271	2.2	2
44	Potassium Permanganate (KMnO ₄) Can be Employed as Anode Material for Lithium Ion Batteries. <i>International Journal of Electrochemical Science</i> , 2017 , 5657-5667	2.2	2
43	Synthesis of nano-Ni(OH) ₂ /porous carbon composite as superior cathode materials for alkaline power batteries. <i>Electrochimica Acta</i> , 2017 , 252, 558-567	6.7	14

42	The Significant Role of NiO in Enhancing the Electrocatalytic Activity of the Pyrolysis Products of the Mixture Containing PdO and Multiwalled Carbon Nanotubes for EOR. <i>ChemistrySelect</i> , 2017 , 2, 5501-5510	1.8	2
41	A new lead single flow battery in a composite perchloric acid system with high specific surface capacity for large-scale energy storage. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 3533-3543	2.6	2
40	A facile and scalable complexation-precipitation method of iron doped nickel hydroxide nanosheets as a superior oxygen evolution catalyst. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 26575-26585	6.7	24
39	A green dual complexation precipitation synthesis of hierarchical Ni(OH) ₂ microspheres and their electrochemical performance. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 19139-19147	6.7	20
38	Preparation of Ag ₄ Bi ₂ O ₅ /MnO ₂ Corn/Cob Like Nano Material as a Superior Catalyst for Oxygen Reduction Reaction in Alkaline Solution. <i>Catalysts</i> , 2017 , 7, 379	4	3
37	Synergistically Enhanced Electrocatalytic Activity of Sandwich-like N-Doped Graphene/Carbon Nanosheets Decorated by Fe and S for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19533-41	9.5	56
36	Hierarchical Metal-Free Nitrogen-Doped Porous Graphene/Carbon Composites as an Efficient Oxygen Reduction Reaction Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1415-23	9.5	98
35	Preparation of High Purity Lead Oxide from Spent Lead Acid Batteries via Desulfurization and Recrystallization in Sodium Hydroxide. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 2059-2068	2.8	32
34	Manganese dioxide-supported silver bismuthate as an efficient electrocatalyst for oxygen reduction reaction in zinc-oxygen batteries. <i>Electrochimica Acta</i> , 2016 , 197, 68-76	6.7	19
33	Accelerated desulphurization of waste lead battery paste in a high-gravity rotating packed bed. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016 , 104, 148-153	3.7	18
32	Evaluation of substrates for zinc negative electrode in acid PbO ₂ /Zn single flow batteries. <i>Chinese Journal of Chemical Engineering</i> , 2016 , 24, 529-534	3.2	10
31	Using potassium ferricyanide as a dopant to prepare K and Fe co-doped Li ₄ Ti ₅ O ₁₂ . <i>Ceramics International</i> , 2016 , 42, 19187-19194	5.1	16
30	Highly Dispersed Ag-Functionalized Graphene Electrocatalyst for Oxygen Reduction Reaction in Energy-Saving Electrolysis of Sodium Carbonate. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 7415-7422	3.9	24
29	Totally atom-economical synthesis of nano/micro structured nickel hydroxide realized by an NiO ₂ fuel cell. <i>Green Chemistry</i> , 2015 , 17, 1446-1452	10	7
28	A green lead hydrometallurgical process based on a hydrogen-lead oxide fuel cell. <i>Nature Communications</i> , 2013 , 4, 2178	17.4	59
27	Zinc deposition and dissolution in sulfuric acid onto a graphite/carbon composite electrode as the negative electrode reactions in acidic zinc-based redox flow batteries. <i>Journal of Applied Electrochemistry</i> , 2013 , 43, 541-551	2.6	18
26	Effect of Electrolyte on the Performance of Electrodes for an All Lead Flow Battery. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2013 , 29, 2354-2360	3.8	4
25	The Principle and Electrochemical Performance of a Single Flow Cd/BiO ₂ Battery. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A1146-A1152	3.9	12

24	A new process of lead recovery from waste lead-acid batteries by electrolysis of alkaline lead oxide solution. <i>Electrochemistry Communications</i> , 2012 , 19, 70-72	5.1	50
23	Lead ion and tetrabutylammonium bromide as inhibitors of the growth of spongy zinc in single flow zinc/nickel batteries. <i>Electrochimica Acta</i> , 2012 , 59, 64-68	6.7	42
22	Analysis of electrochemical mechanism of coprecipitated nano-Ag ₄ Bi ₂ O ₅ as super high charge/discharge rate cathode materials for aqueous rechargeable battery. <i>Electrochimica Acta</i> , 2012 , 59, 515-521	6.7	3
21	A high capacity cathode material-MnO ₂ doped with nano Ag ₄ Bi ₂ O ₅ for alkaline secondary batteries. <i>Journal of Power Sources</i> , 2012 , 199, 355-359	8.9	9
20	A study on AgCuO ₂ as ultra fast charging cathode material for alkaline secondary battery. <i>Journal of Power Sources</i> , 2012 , 203, 206-210	8.9	5
19	Synthesis and Electrochemical Properties of Nano/Micro Spherical Ni(OH) ₂ with Super High Charge/Discharge Speed. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8358-8365	3.9	17
18	Preparation and the Electrochemical Properties of Monolithic Porous Carbon as a Substrate for Nickel Hydroxide Electrode. <i>Journal of the Electrochemical Society</i> , 2011 , 158, A1303	3.9	4
17	Lead Ion and Tetrabutylammonium Bromide as Inhibitors of the Spongy Growth of Zinc in Single Flow Zinc/Nickel Batteries. <i>Advanced Materials Research</i> , 2011 , 396-398, 18-23	0.5	
16	The proton exchange chemistry of layered Ni(OH) ₂ for two types of high-capacity cathode materials in rechargeable batteries. <i>Materials Research Bulletin</i> , 2009 , 44, 227-230	5.1	4
15	Study on preparation of NiOOH by a new catalytic electrolysis method. <i>Materials Research Bulletin</i> , 2009 , 44, 943-946	5.1	5
14	The change of structure and electrochemical property in the synthesis process of spherical NiOOH. <i>Electrochimica Acta</i> , 2009 , 54, 3812-3818	6.7	8
13	Preliminary study of alkaline single flowing ZnO ₂ battery. <i>Electrochemistry Communications</i> , 2009 , 11, 2191-2194	5.1	44
12	Nano-NiOOH prepared by splitting method as super high-speed charge/discharge cathode material for rechargeable alkaline batteries. <i>Journal of Power Sources</i> , 2009 , 188, 308-312	8.9	13
11	Mn ₃ O ₄ doped with nano-NaBiO ₃ : A high capacity cathode material for alkaline secondary batteries. <i>Journal of Alloys and Compounds</i> , 2009 , 470, 75-79	5.7	12
10	Study on a new single flow acid Cu ₂ PbO ₂ battery. <i>Electrochemistry Communications</i> , 2008 , 10, 1226-1229	5.1	45
9	Nano silver oxide (AgO) as a super high charge/discharge rate cathode material for rechargeable alkaline batteries. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4820		41
8	Electrolytic Preparation, Structure Characterization and Electrochemical Performance of NiOOH. <i>Chinese Journal of Chemical Engineering</i> , 2007 , 15, 262-267	3.2	19
7	Preparation of NaBiO ₃ and the electrochemical characteristic of manganese dioxide doped with NaBiO ₃ . <i>Electrochimica Acta</i> , 2006 , 51, 3118-3124	6.7	27

6	Low temperature synthesis of layered LiNiO ₂ cathode material in air atmosphere by ion exchange reaction. <i>Solid State Ionics</i> , 2006 , 177, 1173-1177	3.3	27
5	Halogen: a high-capacity cathode for rechargeable alkaline batteries. <i>Chemical Communications</i> , 2005 , 3340-2	5.8	8
4	Synthesis, characterization and electrochemical performance of battery grade NiOOH. <i>Electrochemistry Communications</i> , 2005 , 7, 857-862	5.1	44
3	High Performance of Pb-doped Li ₄ Ti ₅ O ₁₂ as an Anode Material for Lithium Ion Batteries. <i>International Journal of Electrochemical Science</i> , 8381-8398	2.2	6
2	The Calcined Soils Can Be Used as Anode Materials for Lithium Ion Batteries. <i>International Journal of Electrochemical Science</i> , 4967-4980	2.2	2
1	A new Mn _x O _y /carbon nanorods derived from bimetallic Zn/Mn metal-organic framework as an efficient oxygen reduction reaction electrocatalyst for alkaline Zn-Air batteries. <i>Journal of Solid State Electrochemistry</i> , 1	2.6	0