Ai-shui Yu

List of Publications by Citations

128 papers	4,202 citations	38 h-index	60 g-index
132 ext. papers	4,862 ext. citations	6.8 avg, IF	5.99 L-index

#	Paper	IF	Citations
128	Synthesis and characterization of LiNi1−x−yCoxMnyO2 as the cathode materials of secondary lithium batteries. *Journal of Power Sources*, **1999**, 81-82, 416-419	8.9	299
127	Carbon-coated SiO2 nanoparticles as anode material for lithium ion batteries. *Journal of Power Sources*, **2011**, 196, 10240-10243	8.9	221
126	Nanostructured transition metal oxides as advanced anodes for lithium-ion batteries. *Science Bulletin*, **2015**, 60, 823-838	10.6	160
125	CaF2-coated Li1.2Mn0.54Ni0.13Co0.13O2 as cathode materials for Li-ion batteries. *Electrochimica Acta*, **2013**, 109, 52-58	6.7	151
124	A novel method to prepare nanostructured manganese dioxide and its electrochemical properties as a supercapacitor electrode. *Electrochimica Acta*, **2009**, 54, 3047-3052	6.7	148
123	Mesoporous Fe2O3 nanoparticles as high performance anode materials for lithium-ion batteries. *Electrochemistry Communications*, **2013**, 29, 17-20	5.1	109
122	Three-dimensional porous Sn–Cu alloy anode for lithium-ion batteries. *Electrochimica Acta*, **2010**, 55, 7310-7314	6.7	100
121	Ultrasonic-assisted synthesis of Pd–Ni alloy catalysts supported on multi-walled carbon nanotubes for formic acid electrooxidation. *Electrochimica Acta*, **2011**, 56, 6860-6865	6.7	99
120	Factors influencing MnO2/multi-walled carbon nanotubes composite's electrochemical performance as supercapacitor electrode. *Electrochimica Acta*, **2009**, 54, 7173-7179	6.7	83
119	Fibriform polyaniline/nano-TiO2 composite as an electrode material for aqueous redox supercapacitors. *Electrochemistry Communications*, **2009**, 11, 266-269	5.1	79
118	Comparative studies of zirconium doping and coating on LiNi0.6Co0.2Mn0.2O2 cathode material at elevated temperatures. *Journal of Power Sources*, **2018**, 396, 288-296	8.9	78
117	Hierarchically porous honeycomb-like carbon as a lithium–oxygen electrode. *Journal of Materials Chemistry A*, **2013**, 1, 1239-1245	13	73
116	Building better lithium-sulfur batteries: from LiNO3 to solid oxide catalyst. *Scientific Reports*, **2016**, 6, 33154	4.9	71
115	Polarization of Oxygen Electrode in Rechargeable Lithium Oxygen Batteries. *Journal of the Electrochemical Society*, **2010**, 157, A362	3.9	69
114	Propelling Polysulfide Conversion by Defect-Rich MoS Nanosheets for High-Performance Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 20788-20795	9.5	63
113	Binder-free phenyl sulfonated graphene/sulfur electrodes with excellent cyclability for lithium sulfur batteries. *Journal of Materials Chemistry A*, **2014**, 2, 5117	13	63
112	Carbon-coated Na3V2(PO4)3 nanocomposite as a novel high rate cathode material for aqueous sodium ion batteries. *Journal of Alloys and Compounds*, **2015**, 646, 522-527	5.7	61

111	Uncovering the role of Nb modification in improving the structure stability and electrochemical performance of LiNi0.6Co0.2Mn0.2O2 cathode charged at higher voltage of 4.5 V. *Journal of Power Sources*, **2018**, 374, 149-157	8.9	61
110	Binder-free nitrogen-doped carbon nanotubes electrodes for lithium-oxygen batteries. *Journal of Power Sources*, **2013**, 242, 855-859	8.9	59
109	Surface phase transformation and CaF2 coating for enhanced electrochemical performance of Li-rich Mn-based cathodes. *Electrochimica Acta*, **2015**, 163, 82-92	6.7	58
108	Nitrogen-doped porous carbon nanofiber webs/sulfur composites as cathode materials for lithium-sulfur batteries. *Electrochimica Acta*, **2014**, 116, 210-216	6.7	57
107	Nano-sized La0.8Sr0.2MnO3 as oxygen reduction catalyst in nonaqueous Li/O2 batteries. *Journal of Solid State Electrochemistry*, **2012**, 16, 1447-1452	2.6	54
106	Carbon-shell-constrained silicon cluster derived from Al-Si alloy as long-cycling life lithium ion batteries anode. *Journal of Power Sources*, **2018**, 381, 66-71	8.9	52
105	Revealing the role of NHVO treatment in Ni-rich cathode materials with improved electrochemical performance for rechargeable lithium-ion batteries. *Nanoscale*, **2018**, 10, 8820-8831	7.7	50
104	Carbon-Coated Mesoporous TiO2 Nanocrystals Grown on Graphene for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 10395-400	9.5	48
103	Revealing the Effect of Ti Doping on Significantly Enhancing Cyclic Performance at a High Cutoff Voltage for Ni-Rich LiNi0.8Co0.15Al0.05O2 Cathode. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 10661-10669	8.3	46
102	Three-Dimensional Porous Si and SiO with In Situ Decorated Carbon Nanotubes As Anode Materials for Li-ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 17807-17813	9.5	45
101	Rapid synthesis of porous Pd and PdNi catalysts using hydrogen bubble dynamic template and their enhanced catalytic performance for methanol electrooxidation. *Journal of Power Sources*, **2013**, 241, 660-667	8.9	45
100	Carbon-free (Co, Mn)3O4 nanowires@Ni electrodes for lithium-oxygen batteries. *Nanoscale*, **2014**, 6, 9043-9	7.7	44
99	A novel route for preparation of PtRuMe (Me = Fe, Co, Ni) and their catalytic performance for methanol electrooxidation. *Electrochemistry Communications*, **2009**, 11, 643-646	5.1	44
98	Enhanced Electrochemical Performance of Li1.2Mn0.54Ni0.13Co0.13O2 Cathode with an Ionic Conductive LiVO3 Coating Layer. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 255-263	8.3	43
97	TiO2 nanotube array film prepared by anodization as anode material for lithium ion batteries. *Journal of Solid State Electrochemistry*, **2010**, 14, 1045-1050	2.6	42
96	Unraveling the capacity fading mechanisms of LiNi0.6Co0.2Mn0.2O2 at elevated temperatures. *Journal of Power Sources*, **2018**, 393, 92-98	8.9	41
95	Synthesis of nano-sized LiMnPO4 and in situ carbon coating using a solvothermal method. *Journal of Power Sources*, **2013**, 229, 203-209	8.9	41
94	A conductive self-healing hydrogel binder for high-performance silicon anodes in lithium-ion batteries. *Journal of Power Sources*, **2020**, 449, 227472	8.9	41

93	Enhancing Electrochemical Performance of LiNi0.6Co0.2Mn0.2O2 by Lithium-ion Conductor Surface Modification. *Electrochimica Acta*, **2017**, 224, 171-177	6.7	40
92	A Modified Natural Polysaccharide as a High-Performance Binder for Silicon Anodes in Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 4311-4317	9.5	40
91	Enhancing Electrochemical Performance of LiMn2O4 Cathode Material at Elevated Temperature by Uniform Nanosized TiO2 Coating. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 640-647	8.3	39
90	Growth of 3D hierarchical porous NiO@carbon nanoflakes on graphene sheets for high-performance lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2016**, 18, 3893-9	3.6	38
89	Fe doped Li1.2Mn0.6-x/2Ni0.2-x/2FexO2 (x□0.1) as cathode materials for lithium-ion batteries. *Electrochimica Acta*, **2014**, 133, 555-563	6.7	37
88	Polyaniline membranes as waterproof barriers for lithium air batteries. *Electrochimica Acta*, **2012**, 78, 195-199	6.7	36
87	De-doped polyaniline nanofibres with micropores for high-rate aqueous electrochemical capacitor. *Synthetic Metals*, **2010**, 160, 1579-1583	3.6	36
86	Enhancing the Cycling Stability of Ni-Rich LiNi0.6Co0.2Mn0.2O2 Cathode at a High Cutoff Voltage with Ta Doping. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 3082-3090	8.3	35
85	Significant Improvement on Electrochemical Performance of LiMn2O4 at Elevated Temperature by Atomic Layer Deposition of TiO2 Nanocoating. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 7890-7901	8.3	33
84	Carbon coated TiO2□SiO2 nanocomposites with high grain boundary density as anode materials for lithium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 7360	13	33
83	Fabrication and electrochemical properties of Si/TiO2 nanowire array composites as lithium ion battery anodes. *Journal of Power Sources*, **2013**, 238, 165-172	8.9	33
82	Preparation of carbon supported Pd□Pb hollow nanospheres and their electrocatalytic activities for formic acid oxidation. *Electrochemistry Communications*, **2010**, 12, 901-904	5.1	33
81	Three-Dimensional Flower-Shaped Activated Porous Carbon/Sulfur Composites as Cathode Materials for Lithium□Sulfur Batteries. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 2442-2447	8.3	31
80	Design and synthesis of Cu6Sn5-coated TiO2 nanotube arrays as anode material for lithium ion batteries. *Journal of Materials Chemistry*, **2011**, 21, 3216		31
79	Facile synthesis of Sn/TiO2 nanowire array composites as superior lithium-ion battery anodes. *Journal of Power Sources*, **2013**, 223, 50-55	8.9	30
78	Enhancing the performance of LiMnPO4/C composites through Cr doping. *Journal of Alloys and Compounds*, **2015**, 620, 350-357	5.7	29
77	Al2O3-doped ZnO coating of carbon nanotubes as cathode material for lithium-sulfur batteries. *Journal of Power Sources*, **2018**, 398, 75-82	8.9	29
76	Synthesis and Electrochemical Performance of Nano-sized Li4Ti5O12 Coated with Boron-Doped Carbon. *Electrochimica Acta*, **2016**, 196, 300-308	6.7	28

75	Hierarchical hollow Fe2O3 micro-flowers composed of porous nanosheets as high performance anodes for lithium-ion batteries. *RSC Advances*, **2013**, 3, 20639	3.7	28
74	Three-dimensional MoSx (1 Journal of Materials Chemistry A, **2016**, 4, 10986-10991	13	27
73	Synthesis of flower-like LiMnPO4/C with precipitated NH4MnPO4H2O as precursor. *Journal of Alloys and Compounds*, **2012**, 518, 58-62	5.7	27
72	Dynamic evolution of CathodeElectrolyte interface of LiNi0.6Co0.2Mn0.2O2 during the initial ChargeDischarge process. *Journal of Power Sources*, **2019**, 438, 226979	8.9	26
71	Electrochemical surface modification on CuPdAu/C with extraordinary behavior toward formic acid/formate oxidation. *International Journal of Hydrogen Energy*, **2016**, 41, 13190-13196	6.7	23
70	New electrochemical energy storage systems based on metallic lithium anodeThe research status, problems and challenges of lithium-sulfur, lithium-oxygen and all solid state batteries. *Science China Chemistry*, **2017**, 60, 1402-1412	7.9	23
69	Sulfur Encapsulated in Mo4O11-Anchored Ultralight Graphene for High-Energy Lithium Sulfur Batteries. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 3679-3687	8.3	22
68	A polydopamine coating ultralight graphene matrix as a highly effective polysulfide absorbent for high-energy Li S batteries. *Renewable Energy*, **2016**, 96, 333-340	8.1	22
67	H3BO3 washed LiNi0.8Co0.1Mn0.1O2 with enhanced electrochemical performance and storage characteristics. *Journal of Power Sources*, **2021**, 482, 228940	8.9	22
66	Fabrication of morphology controllable rutile TiO2 nanowire arrays by solvothermal route for dye-sensitized solar cells. *Electrochimica Acta*, **2011**, 56, 7696-7702	6.7	21
65	Surface noble metal modified PdM/C (M = Ru, Pt, Au) as anode catalysts for direct ethanol fuel cells. *Journal of Alloys and Compounds*, **2016**, 676, 390-396	5.7	21
64	Synthesis and effect of electrode heat-treatment on the superior lithium storage performance of Co3O4 nanoparticles. *Journal of Power Sources*, **2015**, 273, 894-903	8.9	19
63	Facile preparation of three-dimensional porous PdAu films and their electrocatalytic activity for methanol oxidation. *Catalysis Communications*, **2016**, 73, 22-26	3.2	19
62	Pyridinic-N-dominated carbon frameworks with porous tungsten trioxide nano-lamellae as a promising bi-functional catalyst for Li-oxygen batteries. *Nanoscale*, **2018**, 10, 15763-15770	7.7	19
61	Effect of heat treatment on the structure and electrochemical performance of FePO4 coated spinel LiMn2O4. *Electrochimica Acta*, **2013**, 113, 248-255	6.7	18
60	Surface Palladium rich CuxPdy/carbon catalysts for methanol and ethanol oxidation in alkaline media. *Electrochimica Acta*, **2015**, 174, 1-7	6.7	18
59	AC impedance investigation of plating potentials on the catalytic activities of Pt nanocatalysts for methanol electrooxidation. *Journal of Solid State Electrochemistry*, **2010**, 14, 101-107	2.6	18
58	Self-Sacrificed Interface-Based on the Flexible Composite Electrolyte for High-Performance All-Solid-State Lithium Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 42715-42721	9.5	17

57	Synthesis of well-dispersed PtRuSnOx by ultrasonic-assisted chemical reduction and its property for methanol electrooxidation. *Electrochimica Acta*, **2009**, 54, 4436-4440	6.7	17
56	LiTFSI Concentration Optimization in TEGDME Solvent for Lithium-Oxygen Batteries. *ACS Omega*, **2019**, 4, 20708-20714	3.9	17
55	Reducing interfacial resistance of a LiAlGe(PO) solid electrolyte/electrode interface by polymer interlayer protection.. *RSC Advances*, **2020**, 10, 10038-10045	3.7	16
54	Pre-Lithiating SiO Anodes for Lithium-Ion Batteries by a Simple, Effective, and Controllable Strategy Using Stabilized Lithium Metal Powder. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 648-657	8.3	16
53	Dithiothreitol as a promising electrolyte additive to suppress the □shuttle effect□by slicing the disulfide bonds of polysulfides in lithium-sulfur batteries. *Journal of Power Sources*, **2019**, 424, 254-260	8.9	15
52	A new, high energy rechargeable lithium ion battery with a surface-treated Li1.2Mn0.54Ni0.13Co0.13O2 cathode and a nano-structured Li4Ti5O12 anode. *Journal of Alloys and Compounds*, **2015**, 648, 7-12	5.7	15
51	Improved electrochemical performance of anode materials for high energy density lithium-ion batteries through Sn(SnO2)□SiO2/graphene-based nanocomposites prepared by a facile and low-cost approach. *Sustainable Energy and Fuels*, **2020**, 4, 4625-4636	5.8	15
50	Detection of lithium plating in lithium-ion batteries by distribution of relaxation times. *Journal of Power Sources*, **2021**, 496, 229867	8.9	15
49	Enhanced Electrochemical Performance of LiNi0.8Co0.1Mn0.1O2 Cathode for Lithium-Ion Batteries by Precursor Preoxidation. *ACS Applied Energy Materials*, **2018**, 1, 4374-4384	6.1	14
48	Electrochemical performance and stability of LiMn0.6Fe0.4PO4/C composite. *Journal of Alloys and Compounds*, **2014**, 587, 133-137	5.7	14
47	A hierarchical porous MnO2-based electrode for electrochemical capacitor. *Journal of Solid State Electrochemistry*, **2011**, 15, 485-491	2.6	13
46	Electro-oxidation of methanol on co-deposited Pt-MoO x prepared by cyclic voltammetry with different scanning potential ranges. *Journal of Applied Electrochemistry*, **2009**, 39, 1053-1058	2.6	12
45	Ultrafast-charging and long cycle-life anode materials of TiO-bronze/nitrogen-doped graphene nanocomposites for high-performance lithium-ion batteries.. *RSC Advances*, **2020**, 10, 43811-43824	3.7	12
44	A carboxymethyl vegetable gum as a robust water soluble binder for silicon anodes in lithium-ion batteries. *Journal of Power Sources*, **2021**, 489, 229530	8.9	12
43	Well-defined carbon nanoframes containing bimetal-N-C active sites as efficient bi-functional electrocatalysts for Li-O2 batteries. *Nano Research*, **2019**, 12, 517-523	10	12
42	Understanding the effects of surface modification on improving the high-voltage performance of Ni-rich cathode materials. *Materials Today Energy*, **2018**, 10, 40-47	7	12
41	Facile synthesis of trimetallic Cu1Au0.15Pd1.5/C catalyst for ethanol oxidation with superior activity and stability. *Journal of Materials Chemistry A*, **2014**, 2, 16378-16380	13	11
40	A new type of cyclic silicone additive for improving the energy density and power density of Li□2 batteries. *Journal of Materials Chemistry A*, **2018**, 6, 7221-7226	13	10

39	Ultrathin Li-Si-O Coating Layer to Stabilize the Surface Structure and Prolong the Cycling Life of Single-Crystal LiNiCoMnO Cathode Materials at 4.5 V. *ACS Applied Materials & Interfaces*, **2021**, 13, 10952-10963	9.5	10
38	High power lithium-ion battery based on a LiMn2O4 nanorod cathode and a carbon-coated Li4Ti5O12 nanowire anode. *RSC Advances*, **2016**, 6, 107355-107363	3.7	8
37	Rational design of a hierarchical N-doped graphene-supported catalyst for highly energy-efficient lithium□oxygen batteries. *Journal of Materials Chemistry A*, **2019**, 7, 19745-19752	13	8
36	Electrodeposited Pd□MoOx catalysts with enhanced catalytic activity for formic acid electrooxidation. *Electrochimica Acta*, **2012**, 76, 292-299	6.7	8
35	Cost-effective production of SiO2/C and Si/C composites derived from rice husk for advanced lithium-ion battery anodes. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 9126-9132	2.1	7
34	Effect of fluoroethylene carbonate as an electrolyte solvent in the LiNi0.5Mn1.5O4/Li4Ti5O12 cell. *Journal of Alloys and Compounds*, **2020**, 812, 152064	5.7	7
33	Effect of Organic Electrolyte on the Performance of Solid Electrolyte for Solid-Liquid Hybrid Lithium Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 2685-2693	9.5	7
32	Mesoporous Co□CoO@NC Micro-Disk Derived from ZIF-9 as Bifunctional Catalyst for Lithium-Oxygen Batteries. *ChemistrySelect*, **2018**, 3, 9276-9283	1.8	6
31	Ruthenium Oxide Modified alpha-Manganese Dioxide Nanotube as Efficient Bifunctional Cathode Catalysts for Lithium Oxygen Batteries. *ChemistrySelect*, **2019**, 4, 7455-7462	1.8	6
30	Synergistic effect of amorphous carbon coverage and enlarged voltage window on the superior lithium storage performance of nanostructured mesoporous anatase TiO2: Emphasis on interfacial storage phenomena. *Journal of Alloys and Compounds*, **2014**, 606, 61-67	5.7	6
29	Polyaniline-coated partially unzipped vapor-grown carbon fibers/sulfur microsphere composites for Li□ cathodes. *Journal of Electroanalytical Chemistry*, **2016**, 761, 62-67	4.1	6
28	Dopamine-modified carboxymethyl cellulose as an improved aqueous binder for silicon anodes in lithium-ion batteries. *Electrochimica Acta*, **2021**, 389, 138806	6.7	6
27	Zn□Fe□O@C hollow microspheres as a high performance anode material for lithium-ion batteries. *RSC Advances*, **2017**, 7, 5459-5465	3.7	5
26	Structure and Catalyst Effects on the Electrochemical Performance of Air Electrodes in Lithium-Oxygen Batteries. *ChemElectroChem*, **2018**, 5, 2666-2671	4.3	5
25	Revealing the Role of W-Doping in Enhancing the Electrochemical Performance of the LiNiCoMnO Cathode at 4.5 V. *ACS Applied Materials & Interfaces*, **2021**, 13, 7308-7316	9.5	5
24	Ruthenium oxide modified hierarchically porous boron-doped graphene aerogels as oxygen electrodes for lithium-oxygen batteries.. *RSC Advances*, **2018**, 8, 39829-39836	3.7	5
23	Ultradispersed titanium dioxide nanoparticles embedded in a three-dimensional graphene aerogel for high performance sulfur cathodes.. *RSC Advances*, **2019**, 9, 6568-6575	3.7	4
22	Surface platinum-rich CuPt bimetallic nanoparticles supported by partially unzipped vapor grown carbon fibers and their electrocatalytic activities. *RSC Advances*, **2014**, 4, 29429-29434	3.7	4

21	LiFePO-coated LiNiCoMnO for lithium-ion batteries with enhanced cycling performance at elevated temperatures and high voltages.. *RSC Advances*, **2020**, 10, 37916-37922	3.7	4
20	Fast-Charging Anode Materials and Novel Nanocomposite Design of Rice Husk-Derived SiO and Sn Nanoparticles Self-Assembled on TiO(B) Nanorods for Lithium-Ion Storage Applications.. *ACS Omega*, **2022**, 7, 1357-1367	3.9	4
19	In Situ Room-Temperature Cross-Linked Highly Branched Biopolymeric Binder Based on the Diels-Alder Reaction for High-Performance Silicon Anodes in Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 56095-56108	9.5	3
18	Comparative performance of LiFePO4 and LiNi0.6Co0.2Mn0.2O2 cathode materials for lithium batteries with solid□quid hybrid electrolytes. *Journal of Power Sources*, **2021**, 515, 230639	8.9	3
17	Uniform Deposition and Effective Confinement of Lithium in Three-Dimensional Interconnected Microchannels for Stable Lithium Metal Anodes. *ACS Applied Materials & Interfaces*, **2021**, 13, 39311-39321	9.5	3
16	Natural sesbania gum as an efficient biopolymer binder for high-performance Si-based anodes in lithium-ion batteries. *Journal of Power Sources*, **2022**, 539, 231604	8.9	3
15	Enhancement in lithium storage performances of SiO2/graphene-based□nanocomposites prepared by low cost and facile approach. *Journal of Materials Science: Materials in Electronics*, **2022**, 33, 6536	2.1	2
14	Application of In Situ Raman and Fourier Transform Infrared Spectroelectrochemical Methods on the Electrode-Electrolyte Interface for Lithium□Oxygen Batteries. *Batteries and Supercaps*, **2021**, 4, 850-859	5.6	2
13	Nitrogen-Doped Carbon-Coating Disproportionated SiO Materials as Long Cycling Stable Anode for Lithium Ion Batteries. *Molecules*, **2021**, 26,	4.8	2
12	Comparative Studies of Polycrystal and Single-Crystal LiNi0.6Co0.2Mn0.2O2 in Terms of Physical and Electrochemical Performance. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 11748-11757	8.3	2
11	Facile Synthesis Sandwich-Structured Ge/NrGO Nanocomposite as Anodes for High-Performance Lithium-Ion Batteries. *Crystals*, **2021**, 11, 1582	2.3	2
10	Rice husk-derived nano-SiO2 assembled on reduced graphene oxide distributed on conductive flexible polyaniline frameworks towards high-performance lithium-ion batteries. *RSC Advances*, **2022**, 12, 14621-14630	3.7	2
9	Enhancing the air stability of LiNi0.6Co0.2Mn0.2O2 cathode through WO3/Li2WO4 surface modification. *Journal of Power Sources*, **2021**, 514, 230605	8.9	1
8	Building well-defined hierarchical nanostructures for sulfur and silicon electrodes. *Progress in Natural Science: Materials International*, **2019**, 29, 672-678	3.6	1
7	Porous calcium□anganese oxide/carbon nanotube microspheres as efficient oxygen reduction catalysts for rechargeable zinc□ir batteries. *Inorganic Chemistry Frontiers*, **2021**, 8, 2052-2060	6.8	1
6	PROPORTIONAL EFFECT IN SbSi/N-DOPED GRAPHENE NANOCOMPOSITE PREPARATION FOR HIGH-PERFORMANCE LITHIUM-ION BATTERIES. *Surface Review and Letters*,2150105	1.1	1
5	A porous Co-Ru@C shell as a bifunctional catalyst for lithium-oxygen batteries.. *RSC Advances*, **2018**, 8, 23973-23980	3.7	0
4	Transformation of SnS Nanocompisites to Sn and S Nanoparticles during Lithiation. *Crystals*, **2021**, 11, 145	2.3	0

3	A Low-Temperature Coating Method with H3BO3 for Enhanced Electrochemical Performance of Ni-rich LiNi0.82Co0.12Mn0.06O2 Cathode. *Electrochimica Acta*, **2022**, 140564	6.7	0
2	Surface-Reinforced NCM811 with Enhanced Electrochemical Performance for Li-Ion Batteries. *Journal of Alloys and Compounds*, **2022**, 165488	5.7	0
1	Tetramethylpyrazine: an electrolyte additive for high capacity and energy efficiency lithium-oxygen batteries.. *RSC Advances*, **2021**, 11, 24320-24325	3.7	