

# Huajun Guo

## 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.

143  
papers

5,683  
citations

43  
h-index

69  
g-index

144  
ext. papers

6,472  
ext. citations

7.1  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
143	A robust in-situ catalytic graphitization combined with salt-template strategy towards fast lithium-ions storage. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 908, 164717	5.7	0
142	Mitigating the voltage fading and air sensitivity of O3-type NaNi <sub>0.4</sub> Mn <sub>0.4</sub> Cu <sub>0.1</sub> Ti <sub>0.1</sub> O <sub>2</sub> cathode material via La doping. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133456	14.7	2
141	Efficient production of metal manganese achieved by cylindrical and rotary electrode. <i>Journal of Cleaner Production</i> , <b>2021</b> , 326, 129266	10.3	4
140	Spiral Graphene Coupling Hierarchically Porous Carbon Advances Dual-Carbon Lithium Ion Capacitor. <i>Energy Storage Materials</i> , <b>2021</b> , 38, 528-534	19.4	8
139	Unraveling the role of LiODFB salt as a SEI-forming additive for sodium-ion battery. <i>Ionics</i> , <b>2021</b> , 27, 683-691	6.91	0
138	Self-sacrificial-reaction guided formation of hierarchical electronic/ionic conductive shell enabling high-performance nano-silicon anode. <i>Chemical Engineering Journal</i> , <b>2021</b> , 415, 128998	14.7	11
137	Research Progress of Single-Crystal Nickel-Rich Cathode Materials for Lithium Ion Batteries.. <i>Small Methods</i> , <b>2021</b> , 5, e2100234	12.8	10
136	Electrospinning-enabled SiOx@TiO <sub>2</sub> /C fibers as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 888, 161635	5.7	2
135	Graphitic nanorings for super-long lifespan lithium-ion capacitors. <i>Nano Research</i> , <b>2020</b> , 13, 2909-2916	10	7
134	Robust template-activator cooperated pyrolysis enabling hierarchically porous honeycombed defective carbon as highly-efficient metal-free bifunctional electrocatalyst for Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 265, 118603	21.8	53
133	Vital effect of sufficient vulcanization on the properties of Ni-Co-S/graphene composites for supercapacitor. <i>Chemical Engineering Science</i> , <b>2020</b> , 221, 115709	4.4	7
132	In-situ tailored 3D Li <sub>2</sub> O@Cu nanowires array enabling stable lithium metal anode with ultra-high coulombic efficiency. <i>Journal of Power Sources</i> , <b>2020</b> , 463, 228178	8.9	16
131	Clearing surficial charge-transport obstacles to boost the performance of lithium-rich layered oxides. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125142	14.7	5
130	Revealing the fake initial coulombic efficiency of spinel/layered Li-rich cathode materials. <i>Electrochimica Acta</i> , <b>2020</b> , 347, 136279	6.7	8
129	Modification on improving the structural stabilities and cyclic properties of Li <sub>1.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> O <sub>2</sub> cathode materials with CePO <sub>4</sub> . <i>Ionics</i> , <b>2020</b> , 26, 2117-2127	2.7	5
128	Bifunctional Li <sub>6</sub> CoO <sub>4</sub> serving as prelithiation reagent and pseudocapacitive electrode for lithium ion capacitors. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 47, 38-45	12	13
127	Accurate regulation of pore distribution and atomic arrangement enabling highly efficient dual-carbon lithium ion capacitors. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22230-22239	13	4

126	High-Value Utilization of Lignin To Prepare Functional Carbons toward Advanced Lithium-Ion Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 11522-11531	8.3	14
125	A Renewable Sedimentary Slurry Battery: Preliminary Study in Zinc Electrodes. <i>IScience</i> , <b>2020</b> , 23, 101826-1	6.1	4
124	Defective synergy of 2D graphitic carbon nanosheets promotes lithium-ion capacitors performance. <i>Energy Storage Materials</i> , <b>2020</b> , 24, 304-311	19.4	25
123	Comprehensive utilization of metallurgic waste in manganese electrowinning: Towards high performance LiMn <sub>2</sub> O <sub>4</sub> . <i>Ceramics International</i> , <b>2019</b> , 45, 8607-8615	5.1	14
122	Non-aqueous dual-carbon lithium-ion capacitors: a review. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15541-15568	13.5	68
121	Mono-Active Bimetallic Oxide Co <sub>2</sub> AlO <sub>4</sub> with Yolk-Shell Structure as a Superior Lithium-Storage Material. <i>ChemElectroChem</i> , <b>2019</b> , 6, 3298-3302	4.3	4
120	Manipulating the Composition and Structure of Solid Electrolyte Interphase at Graphite Anode by Adjusting the Formation Condition. <i>Energy Technology</i> , <b>2019</b> , 7, 1900273	3.5	12
119	Advances in nanostructures fabricated via spray pyrolysis and their applications in energy storage and conversion. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 3015-3072	58.5	182
118	Hydrometallurgical production of LiNi <sub>0.80</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> cathode material from high-grade nickel matte. <i>Hydrometallurgy</i> , <b>2019</b> , 186, 30-41	4	16
117	Modification by simultaneously $\text{LiWO}_3/\text{Li}_2\text{WO}_4$ composite coating and spinel-structure formation on Li[Li <sub>0.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> ]O <sub>2</sub> cathode via a simple wet process. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 790, 421-432	5.7	8
116	Smartly tailored Co(OH) <sub>2</sub> -Ni(OH) <sub>2</sub> heterostucture on nickel foam as binder-free electrode for high-energy hybrid capacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 309, 140-147	6.7	15
115	Magnesium-doped Li[Li <sub>0.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> ]O <sub>2</sub> cathode with high rate capability and improved cyclic stability. <i>Ionics</i> , <b>2019</b> , 25, 1967-1977	2.7	10
114	FeCo <sub>x</sub> alloy nanoparticles encapsulated in three-dimensionally N-doped porous carbon/multiwalled carbon nanotubes composites as bifunctional electrocatalyst for zinc-air battery. <i>Journal of Power Sources</i> , <b>2019</b> , 438, 227019	8.9	16
113	Lithiophilic Ag/Li composite anodes via a spontaneous reaction for Li nucleation with a reduced barrier. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 20911-20918	13	30
112	Modification of Li[Li <sub>0.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> ]O <sub>2</sub> cathode with $\text{LiMoO}_3$ via a simple wet chemical coating process. <i>Applied Surface Science</i> , <b>2019</b> , 479, 1277-1286	6.7	14
111	A novel dried plum-like yolk-shell architecture of tin oxide nanodots embedded into a carbon matrix: ultra-fast assembly and superior lithium storage properties. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5803-5810	13	29
110	The Electrochemical Performance and Reaction Mechanism of Coated Titanium Anodes for Manganese Electrowinning. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, E502-E511	3.9	15
109	Systematic parameter acquisition method for electrochemical model of 4.35 V LiCoO <sub>2</sub> batteries. <i>Solid State Ionics</i> , <b>2019</b> , 343, 115083	3.3	16

108	Facile synthesis of NaVPO <sub>4</sub> F/C cathode with enhanced interfacial conductivity towards long-cycle and high-rate sodium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2019</b> , 357, 458-462	14.7	66
107	The influences of SO <sub>4</sub> <sup>2-</sup> from electrolytic manganese dioxide precursor on the electrochemical properties of Li-rich Mn-based material for Li-ion batteries. <i>Ionics</i> , <b>2019</b> , 25, 2585-2594	2.7	7
106	Metalorganic Quantum Dots and Their Graphene-Like Derivative Porous Graphitic Carbon for Advanced Lithium-Ion Hybrid Supercapacitor. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802878	21.8	73
105	Enhancing the electrochemical and storage performance of Ni-based cathode materials by introducing spinel pillaring layer for lithium ion batteries. <i>Solid State Ionics</i> , <b>2019</b> , 332, 41-46	3.3	10
104	Facile construction of Co(OH) <sub>2</sub> @Ni(OH) <sub>2</sub> core-shell nanosheets on nickel foam as three dimensional free-standing electrode for supercapacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 293, 40-46	6.7	40
103	Compact structured silicon/carbon composites as high-performance anodes for lithium ion batteries. <i>Ionics</i> , <b>2018</b> , 24, 3405-3411	2.7	8
102	Improving the electrochemical performance of Li-rich Li <sub>1.2</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> Mn <sub>0.54</sub> O <sub>2</sub> cathode material by LiF coating. <i>Ionics</i> , <b>2018</b> , 24, 3717-3724	2.7	13
101	Suppressing the Voltage Decay and Enhancing the Electrochemical Performance of Li <sub>1.2</sub> Mn <sub>0.54</sub> Co <sub>0.13</sub> Ni <sub>0.13</sub> O <sub>2</sub> by Multifunctional Nb <sub>2</sub> O <sub>5</sub> Coating. <i>Energy Technology</i> , <b>2018</b> , 6, 2139-2145	3.5	40
100	The role of a MnO <sub>2</sub> functional layer on the surface of Ni-rich cathode materials: Towards enhanced chemical stability on exposure to air. <i>Ceramics International</i> , <b>2018</b> , 44, 13341-13348	5.1	28
99	Cooperation of nitrogen-doping and catalysis to improve the Li-ion storage performance of lignin-based hard carbon. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 1390-1396	12	27
98	An Ostwald ripening route towards Ni-rich layered cathode material with cobalt-rich surface for lithium ion battery. <i>Science China Materials</i> , <b>2018</b> , 61, 719-727	7.1	21
97	Synthesis of Fe <sub>3</sub> O <sub>4</sub> cluster microspheres/graphene aerogels composite as anode for high-performance lithium ion battery. <i>Applied Surface Science</i> , <b>2018</b> , 439, 927-933	6.7	24
96	Lightweight Reduced Graphene Oxide@MoS <sub>2</sub> Interlayer as Polysulfide Barrier for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3707-3713	9.5	182
95	Fluidized bed reaction towards crystalline embedded amorphous Si anode with much enhanced cycling stability. <i>Chemical Communications</i> , <b>2018</b> , 54, 3755-3758	5.8	60
94	Multifunctional Separator with Porous Carbon/Multi-Walled Carbon Nanotube Coating for Advanced Lithium Sulfur Batteries. <i>ChemElectroChem</i> , <b>2018</b> , 5, 71-77	4.3	27
93	Multi-layered carbon coated Si-based composite as anode for lithium-ion batteries. <i>Powder Technology</i> , <b>2018</b> , 323, 294-300	5.2	79
92	A smart architecture of nickel-cobalt sulfide nanotubes assembled nanoclusters for high-performance pseudocapacitor. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 765, 505-511	5.7	9
91	BODIPY-Based Conjugated Porous Polymer and Its Derived Porous Carbon for Lithium-Ion Storage. <i>ACS Omega</i> , <b>2018</b> , 3, 7727-7735	3.9	8

90	Structural and electrochemical characterization of NH <sub>4</sub> F-pretreated lithium-rich layered Li[Li <sub>0.2</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> Mn <sub>0.54</sub> ]O <sub>2</sub> cathodes for lithium-ion batteries. <i>Ceramics International</i> , <b>2018</b> , 44, 14370-14376	5.1	24
89	A novel hierarchical precursor of densely integrated hydroxide nanoflakes on oxide microspheres toward high-performance layered Ni-rich cathode for lithium ion batteries. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1822-1828	7.8	12
88	Superior lithium storage of Si/WSi <sub>2</sub> composite prepared via one step co-reduction of multi-phase oxide. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 826, 84-89	4.1	7
87	Improving rate capability and decelerating voltage decay of Li-rich layered oxide cathodes by chromium doping. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 11109-11119	6.7	50
86	Anchoring K <sup>+</sup> in Li <sup>+</sup> Sites of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> Cathode Material to Suppress its Structural Degradation During High-Voltage Cycling. <i>Energy Technology</i> , <b>2018</b> , 6, 2358-2366	3.5	55
85	Spray pyrolysis synthesis of nickel-rich layered cathodes LiNi <sub>1-x</sub> Co <sub>x</sub> Mn <sub>x</sub> O <sub>2</sub> (x = 0.075, 0.05, 0.025) for lithium-ion batteries. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 447-450	12	19
84	Three-dimensionally mesoporous dual (Co, Fe) metal oxide/CNTs composite as electrocatalysts for air cathodes in Li-O <sub>2</sub> batteries. <i>Ceramics International</i> , <b>2018</b> , 44, 21942-21949	5.1	7
83	Improving the Desulfurization Degree of High-Grade Nickel Matte via a Two-Step Oxidation Roasting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 1834-1840	2.5	3
82	Effects of Nb doping on the performance of 0.5Li <sub>2</sub> MnO <sub>3</sub> ·0.5LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> cathode material for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 822, 57-65	4.1	25
81	Spinel-embedded and Li <sub>3</sub> PO <sub>4</sub> modified Li[Li <sub>0.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> ]O <sub>2</sub> cathode materials for High-Performance Li-Ion batteries. <i>Applied Surface Science</i> , <b>2018</b> , 456, 763-770	6.7	38
80	Potentiostatic deposition of nickel cobalt sulfide nanosheet arrays as binder-free electrode for high-performance pseudocapacitor. <i>Ceramics International</i> , <b>2018</b> , 44, 15778-15784	5.1	18
79	Enhanced electrochemical properties of LiNiO <sub>2</sub> -based cathode materials by nanoscale manganese carbonate treatment. <i>Applied Surface Science</i> , <b>2017</b> , 403, 426-434	6.7	17
78	Introducing reduced graphene oxide to improve the electrochemical performance of silicon-based materials encapsulated by carbonized polydopamine layer for lithium ion batteries. <i>Materials Letters</i> , <b>2017</b> , 195, 164-167	3.3	62
77	Synthesis of porous Si/graphite/carbon nanotubes@C composites as a practical high-capacity anode for lithium-ion batteries. <i>Materials Letters</i> , <b>2017</b> , 199, 84-87	3.3	33
76	Fluorinated solvents for high-voltage electrolyte in lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 1589-1597	2.6	30
75	A new design concept for preparing nickel-foam-supported metal oxide microspheres with superior electrochemical properties. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 13469-13474	13	86
74	Pitch carbon and LiF co-modified Si-based anode material for lithium ion batteries. <i>Ceramics International</i> , <b>2017</b> , 43, 8590-8595	5.1	26
73	Chitosan: A N-doped carbon source of silicon-based anode material for lithium ion batteries. <i>Ionics</i> , <b>2017</b> , 23, 2311-2318	2.7	10

72	Distinct impact of cobalt salt type on the morphology, microstructure, and electrochemical properties of Co <sub>3</sub> O <sub>4</sub> synthesized by ultrasonic spray pyrolysis. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 696, 836-843	5.7	21
71	A short process for the efficient utilization of transition-metal chlorides in lithium-ion batteries: A case of Ni <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>1.1</sub> and LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> . <i>Journal of Power Sources</i> , <b>2017</b> , 342, 495-503	8.9	174
70	Metallurgy Inspired Formation of Homogeneous Al <sub>2</sub> O <sub>3</sub> Coating Layer To Improve the Electrochemical Properties of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> Cathode Material. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10199-10205	8.3	96
69	A compact process to prepare LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> cathode material from nickel-copper sulfide ore. <i>Hydrometallurgy</i> , <b>2017</b> , 174, 1-9	4	10
68	Improved electrochemical performance of Si/C material based on the interface stability. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 725, 1304-1312	5.7	16
67	Accurate construction of a hierarchical nickel-cobalt oxide multishell yolk-shell structure with large and ultrafast lithium storage capability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 14996-15001	13	94
66	Graphitic carbon balanced between high plateau capacity and high rate capability for lithium ion capacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15302-15309	13	66
65	Enhanced electrochemical performance of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> cathode materials obtained by atomization co-precipitation method. <i>Ceramics International</i> , <b>2016</b> , 42, 644-649	5.1	31
64	Natural sisal fibers derived hierarchical porous activated carbon as capacitive material in lithium ion capacitor. <i>Journal of Power Sources</i> , <b>2016</b> , 329, 339-346	8.9	73
63	One-step synthesis of Li-doped NiO as high-performance anode material for lithium ion batteries. <i>Ceramics International</i> , <b>2016</b> , 42, 14565-14572	5.1	31
62	Hollow Si/C composite as anode material for high performance lithium-ion battery. <i>Powder Technology</i> , <b>2016</b> , 299, 178-184	5.2	28
61	Robust synthesis of hierarchical mesoporous hybrid NiO/MnCo <sub>2</sub> O <sub>4</sub> microspheres and their application in Lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 392-400	6.7	46
60	Facile synthesis of silicon/carbon nanospheres composite anode materials for lithium-ion batteries. <i>Materials Letters</i> , <b>2016</b> , 168, 138-142	3.3	27
59	Influence of Mg <sup>2+</sup> doping on the structure and electrochemical performances of layered LiNi <sub>0.6</sub> Co <sub>0.2</sub> -Mn <sub>0.2</sub> Mg O <sub>2</sub> cathode materials. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 671, 479-485	5.7	43
58	Preparation and characterization of core-shell structure Si/C composite with multiple carbon phases as anode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 658, 91-97	5.7	58
57	Role of zirconium dopant on the structure and high voltage electrochemical performances of LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 188, 48-56	6.7	197
56	Manganese dissolution from LiMn <sub>2</sub> O <sub>4</sub> cathodes at elevated temperature: methylene methanedisulfonate as electrolyte additive. <i>Journal of Solid State Electrochemistry</i> , <b>2016</b> , 20, 19-28	2.6	17
55	Synthesis and electrochemical study of Zr-doped Li[Li <sub>0.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> ]O <sub>2</sub> as cathode material for Li-ion battery. <i>Ceramics International</i> , <b>2016</b> , 42, 263-269	5.1	129

54	A MoS <sub>2</sub> coating strategy to improve the comprehensive electrochemical performance of LiVPO <sub>4</sub> F. <i>Journal of Power Sources</i> , <b>2016</b> , 315, 294-301	8.9	77
53	Synthesis of nanoparticles-assembled Co <sub>3</sub> O <sub>4</sub> microspheres as anodes for Li-ion batteries by spray pyrolysis of CoCl <sub>2</sub> solution. <i>Electrochimica Acta</i> , <b>2016</b> , 209, 456-463	6.7	33
52	An alternative carbon source of silicon-based anode material for lithium ion batteries. <i>Powder Technology</i> , <b>2016</b> , 295, 296-302	5.2	19
51	Synthesis of FeO-nanowires/NiCo <sub>2</sub> O <sub>4</sub> -nanosheets core/shell heterostructure as free-standing electrode with enhanced lithium storage properties. <i>Ceramics International</i> , <b>2016</b> , 42, 15099-15103	5.1	11
50	N-doped carbon layer derived from polydopamine to improve the electrochemical performance of spray-dried Si/graphite composite anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 689, 130-137	5.7	56
49	Synthesis and performance of xLiVPO <sub>4</sub> F/Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> composites as cathode materials for lithium ion batteries. <i>Ceramics International</i> , <b>2015</b> , 41, 13891-13895	5.1	5
48	A novel architecture designed for lithium rich layered Li[Li <sub>0.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> ]O <sub>2</sub> oxides for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 16817-16823	13	50
47	Electrochemical properties of LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> as cathode material for Li-ion batteries prepared by ultrasonic spray pyrolysis. <i>Materials Letters</i> , <b>2015</b> , 159, 39-42	3.3	25
46	Effects of 1-propylphosphonic acid cyclic anhydride as an electrolyte additive on the high voltage cycling performance of graphite/LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> battery. <i>Electrochimica Acta</i> , <b>2015</b> , 166, 190-196	6.7	28
45	A novel NiCo <sub>2</sub> O <sub>4</sub> anode morphology for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11970-11975	13	113
44	One-step facile synthesis of graphene-decorated LiVPO <sub>4</sub> F/C nanocomposite as cathode for high-performance lithium ion battery. <i>Ceramics International</i> , <b>2015</b> , 41, 9188-9192	5.1	19
43	A new route for graphene wrapping LiVPO <sub>4</sub> F/C nano composite toward superior lithium storage property. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 639, 496-503	5.7	26
42	Effect of Mg doping on the structural and electrochemical performance of LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> cathode materials. <i>Electrochimica Acta</i> , <b>2015</b> , 182, 795-802	6.7	114
41	Structural and electrochemical properties of Mg-doped nickel based cathode materials LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> Mg <sub>x</sub> O <sub>2</sub> for lithium ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 88773-88779	3.7	39
40	Electrochemical performance of zirconium doped lithium rich layered Li <sub>1.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> O <sub>2</sub> oxide with porous hollow structure. <i>Journal of Power Sources</i> , <b>2015</b> , 299, 334-341	8.9	115
39	Structural and electrochemical characterization of Mg-doped Li <sub>1.2</sub> [Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> ]O <sub>2</sub> cathode material for lithium ion batteries. <i>Solid State Ionics</i> , <b>2015</b> , 282, 88-94	3.3	36
38	Mechanical activation assisted soft chemical synthesis of Na-doped lithium vanadium fluorophosphates with improved lithium storage properties. <i>Ceramics International</i> , <b>2015</b> , 41, 4267-4271	5.1	27
37	Synthesis and electrochemical characterization of Zn-doped Li-rich layered Li[Li <sub>0.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> ]O <sub>2</sub> cathode material. <i>Ceramics International</i> , <b>2015</b> , 41, 11396-11401	5.1	59

36	Three-dimensional hierarchical Co <sub>3</sub> O <sub>4</sub> /CuO nanowire heterostructure arrays on nickel foam for high-performance lithium ion batteries. <i>Nano Energy</i> , <b>2014</b> , 6, 19-26	17.1	206
35	A comprehensive study on electrochemical performance of Mn-surface-modified LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> synthesized by an in situ oxidizing-coating method. <i>Journal of Power Sources</i> , <b>2014</b> , 252, 200-207	8.9	110
34	Nanosized LiVPO <sub>4</sub> F/graphene composite: A promising anode material for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 251, 325-330	8.9	68
33	Synthesis of Mg-doped LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> oxide and its electrochemical behavior in high-voltage lithium-ion batteries. <i>Ceramics International</i> , <b>2014</b> , 40, 13223-13230	5.1	102
32	Enhancement of the Cyclability of a Si/Graphite@Graphene composite as anode for Lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 116, 230-236	6.7	76
31	Preparation and physicochemical performances of poly[(vinylidene fluoride)-co-hexafluoropropylene]-based composite polymer electrolytes doped with modified carbon nanotubes. <i>Polymer International</i> , <b>2014</b> , 63, 307-314	3.3	8
30	Beneficial effects of 1-propylphosphonic acid cyclic anhydride as an electrolyte additive on the electrochemical properties of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode material. <i>Journal of Power Sources</i> , <b>2014</b> , 263, 231-238	8.9	61
29	Tris(trimethylsilyl)phosphate: A film-forming additive for high voltage cathode material in lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 248, 1306-1311	8.9	116
28	Self-assembly of porous-graphite/silicon/carbon composites for lithium-ion batteries. <i>Powder Technology</i> , <b>2014</b> , 254, 403-406	5.2	12
27	Synthesis and characterization of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /graphene composite as anode material with enhanced electrochemical performance. <i>Ionics</i> , <b>2013</b> , 19, 717-723	2.7	14
26	Synthesis and electrochemical performance of LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> /reduced graphene oxide cathode materials for lithium-ion batteries. <i>Ionics</i> , <b>2013</b> , 19, 1329-1334	2.7	10
25	A polymer electrolyte based on poly(vinylidene fluoride-hexafluoropropylene)/hydroxypropyl methyl cellulose blending for lithium-ion battery. <i>Ionics</i> , <b>2013</b> , 19, 757-762	2.7	26
24	A low temperature fluorine substitution on the electrochemical performance of layered LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> F <sub>z</sub> cathode materials. <i>Electrochimica Acta</i> , <b>2013</b> , 92, 1-8	6.7	81
23	Comparative investigations of LiVPO <sub>4</sub> F/C and Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C synthesized in similar soft chemical route. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 1-8	2.6	31
22	Comprehensive reinvestigation on the initial coulombic efficiency and capacity fading mechanism of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> at low rate and elevated temperature. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 1029-1038	2.6	8
21	xLi <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> LiVPO <sub>4</sub> F/C composite cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 224-229	6.7	71
20	Enhancement of electrochemical performance of Al-doped LiVPO <sub>4</sub> F using AlF <sub>3</sub> as aluminum source. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 581, 836-842	5.7	36
19	Capacity fading reason of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> with commercial electrolyte. <i>Ionics</i> , <b>2013</b> , 19, 379-383	2.7	17



18	Silicon, flake graphite and phenolic resin-pyrolyzed carbon based Si/C composites as anode material for lithium-ion batteries. <i>Advanced Powder Technology</i> , <b>2013</b> , 24, 921-925	4.6	32
17	Synthesis and characterization of LiVPO <sub>4</sub> F/C using precursor obtained through a soft chemical route with mechanical activation assist. <i>Electrochimica Acta</i> , <b>2013</b> , 91, 75-81	6.7	46
16	Enhanced electrochemical properties of lithium-reactive V <sub>2</sub> O <sub>5</sub> coated on the LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> cathode material for lithium ion batteries at 60 °C. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1284-1288	13	187
15	Petal-like Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -TiO <sub>2</sub> nanosheets as high-performance anode materials for Li-ion batteries. <i>Nanoscale</i> , <b>2013</b> , 5, 6936-43	7.7	87
14	Carbonization and graphitization of pitch applied for anode materials of high power lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 1401-1408	2.6	41
13	Enhanced cycling performance of Si/C composite prepared by spray-drying as anode for Li-ion batteries. <i>Powder Technology</i> , <b>2013</b> , 249, 105-109	5.2	16
12	Low-temperature synthesis of nano-micron Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> by an aqueous mixing technique and its excellent electrochemical performance. <i>Journal of Power Sources</i> , <b>2012</b> , 202, 374-379	8.9	49
11	Effect of synthesis routes on the electrochemical performance of Li[Ni <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> ]O <sub>2</sub> for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 3849-3854	2.6	34
10	Storage performance with different charged state of manganese spinel battery. <i>Ionics</i> , <b>2012</b> , 18, 643-648	2.7	4
9	Preparation and characterization of flake graphite/silicon/carbon spherical composite as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 530, 30-35	5.7	80
8	Performance of PVDF-HFP-based gel polymer electrolytes with different pore forming agents. <i>Iranian Polymer Journal (English Edition)</i> , <b>2012</b> , 21, 755-761	2.3	18
7	Investigation on the storage performance of LiMn <sub>2</sub> O <sub>4</sub> at elevated temperature with the mixture of electrolyte stabilizer. <i>Ionics</i> , <b>2012</b> , 18, 907-911	2.7	7
6	Properties on novel PVDF-HFP-based composite polymer electrolyte with vinyltrimethoxysilane-modified ZSM-5. <i>Polymer Composites</i> , <b>2012</b> , 33, 629-635	3	12
5	Study on performances of ZSM-5 doped P(VDF-HFP) based composite polymer electrolyte prepared by steam bath technique. <i>Iranian Polymer Journal (English Edition)</i> , <b>2012</b> , 21, 481-488	2.3	6
4	A novel method to synthesize anatase TiO <sub>2</sub> nanowires as an anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3711-3715	5.7	35
3	Hydrogen titanate and TiO <sub>2</sub> nanowires as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 12675		53
2	Improving the electrochemical performance of LiMn <sub>2</sub> O <sub>4</sub> /graphite batteries using LiF additive during fabrication. <i>Rare Metals</i> , <b>2011</b> , 30, 120-125	5.5	6
1	Performance and capacity fading reason of LiMn <sub>2</sub> O <sub>4</sub> /graphite batteries after storing at high temperature. <i>Rare Metals</i> , <b>2009</b> , 28, 322-327	5.5	7

