

Ting-Feng Yi

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180
papers

7,052
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46
h-index

77
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194
ext. papers

8,310
ext. citations

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avg, IF

6.54
L-index

#	Paper	IF	Citations
180	Recent advances of Li ₄ Ti ₅ O ₁₂ as a promising next generation anode material for high power lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5750-5777	13	383
179	Recent development and application of Li ₄ Ti ₅ O ₁₂ as anode material of lithium ion battery. <i>Journal of Physics and Chemistry of Solids</i> , 2010 , 71, 1236-1242	3.9	296
178	Key strategies for enhancing the cycling stability and rate capacity of LiNi _{0.5} Mn _{1.5} O ₄ as high-voltage cathode materials for high power lithium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 316, 85-105	8.9	224
177	Synthesis and application of task-specific ionic liquids used as catalysts and/or solvents in organic unit reactions. <i>Journal of Molecular Liquids</i> , 2011 , 163, 99-121	6	221
176	Review and prospect of NiCo ₂ O ₄ -based composite materials for supercapacitor electrodes. <i>Journal of Energy Chemistry</i> , 2019 , 31, 54-78	12	178
175	Crystal structures of electrospun PVDF membranes and its separator application for rechargeable lithium metal cells. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006 , 131, 100-105	3.1	170
174	Structural and thermodynamic stability of Li ₄ Ti ₅ O ₁₂ anode material for lithium-ion battery. <i>Journal of Power Sources</i> , 2013 , 222, 448-454	8.9	166
173	High rate cycling performance of lanthanum-modified Li ₄ Ti ₅ O ₁₂ anode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 214, 220-226	8.9	157
172	High-performance Li ₄ Ti ₅ VxO ₁₂ (0 ≤ x ≤ 0.3) as an anode material for secondary lithium-ion battery. <i>Electrochimica Acta</i> , 2009 , 54, 7464-7470	6.7	145
171	A review of recent developments in the surface modification of LiMn ₂ O ₄ as cathode material of power lithium-ion battery. <i>Ionics</i> , 2009 , 15, 779-784	2.7	138
170	PE-g-MMA polymer electrolyte membrane for lithium polymer battery. <i>Electrochimica Acta</i> , 2006 , 52, 443-449	6.7	129
169	Porous spherical NiO@NiMoO ₄ @PPy nanoarchitectures as advanced electrochemical pseudocapacitor materials. <i>Science Bulletin</i> , 2020 , 65, 546-556	10.6	123
168	Improving the high rate performance of Li ₄ Ti ₅ O ₁₂ through divalent zinc substitution. <i>Journal of Power Sources</i> , 2012 , 215, 258-265	8.9	120
167	Recent advances in the research of MLi ₂ Ti ₆ O ₁₄ (M = 2Na, Sr, Ba, Pb) anode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2018 , 399, 26-41	8.9	112
166	Advanced electrochemical properties of Mo-doped Li ₄ Ti ₅ O ₁₂ anode material for power lithium ion battery. <i>RSC Advances</i> , 2012 , 2, 3541	3.7	112
165	High rate micron-sized niobium-doped LiMn _{1.5} Ni _{0.5} O ₄ as ultra high power positive-electrode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 211, 59-65	8.9	107
164	Efforts on enhancing the Li-ion diffusion coefficient and electronic conductivity of titanate-based anode materials for advanced Li-ion batteries. <i>Energy Storage Materials</i> , 2020 , 26, 165-197	19.4	103

163	Recent progress of NiCo ₂ O ₄ -based anodes for high-performance lithium-ion batteries. <i>Current Opinion in Solid State and Materials Science</i> , 2018 , 22, 109-126	12	102
162	Advanced electrochemical performance of Li ₄ Ti _{4.95} V _{0.05} O ₁₂ as a reversible anode material down to 0V. <i>Journal of Power Sources</i> , 2010 , 195, 285-288	8.9	102
161	Sub-micrometric Li _{4-x} NaxTi ₅ O ₁₂ (0 ≤ x ≤ 0.2) spinel as anode material exhibiting high rate capability. <i>Journal of Power Sources</i> , 2014 , 246, 505-511	8.9	92
160	Facile synthesis of polypyrrole-modified Li ₅ Cr ₇ Ti ₆ O ₂₅ with improved rate performance as negative electrode material for Li-ion batteries. <i>Composites Part B: Engineering</i> , 2019 , 167, 566-572	10	88
159	Recent developments in the doping of LiNi _{0.5} Mn _{1.5} O ₄ cathode material for 5 V lithium-ion batteries. <i>Ionics</i> , 2011 , 17, 383-389	2.7	88
158	Rapid charge-discharge property of Li ₄ Ti ₅ O ₁₂ -TiO ₂ nanosheet and nanotube composites as anode material for power lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 20205-13	9.5	87
157	NiCo ₂ S ₄ -based nanocomposites for energy storage in supercapacitors and batteries. <i>Nano Today</i> , 2020 , 33, 100894	17.9	81
156	Structure and Electrochemical Performance of Niobium-Substituted Spinel Lithium Titanium Oxide Synthesized by Solid-State Method. <i>Journal of the Electrochemical Society</i> , 2011 , 158, A266	3.9	81
155	Nitrogen-Doped Hierarchical Porous Carbon from Wheat Straw for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11595-11605	8.3	72
154	Improved Cycling Stability and Fast Charge-Discharge Performance of Cobalt-Free Lithium-Rich Oxides by Magnesium-Doping. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32349-32359	9.5	69
153	Enhanced rate performance of molybdenum-doped spinel LiNi _{0.5} Mn _{1.5} O ₄ cathode materials for lithium ion battery. <i>Journal of Power Sources</i> , 2014 , 247, 778-785	8.9	68
152	A review of niobium oxides based nanocomposites for lithium-ion batteries, sodium-ion batteries and supercapacitors. <i>Nano Energy</i> , 2021 , 85, 105955	17.1	68
151	Synthesis and physicochemical properties of LiAl _{0.05} Mn _{1.95} O ₄ cathode material by the ultrasonic-assisted sol-gel method. <i>Journal of Power Sources</i> , 2006 , 162, 636-643	8.9	65
150	Nano-sized MoO ₂ spheres interspersed three-dimensional porous carbon composite as advanced anode for reversible sodium/potassium ion storage. <i>Electrochimica Acta</i> , 2019 , 307, 293-301	6.7	63
149	Design and synthesis of carbon-coated Fe ₂ O ₃ @Fe ₃ O ₄ heterostructured as anode materials for lithium ion batteries. <i>Applied Surface Science</i> , 2019 , 495, 143590	6.7	63
148	Recent developments in the doping and surface modification of LiFePO ₄ as cathode material for power lithium ion battery. <i>Ionics</i> , 2012 , 18, 529-539	2.7	60
147	High-performance Fe ₂ O ₃ /C composite anodes for lithium-ion batteries synthesized by hydrothermal carbonization glucose method used pickled iron oxide red as raw material. <i>Composites Part B: Engineering</i> , 2019 , 164, 576-582	10	59
146	Hydrothermal synthesis and characterization of FeO/C using acid-pickled iron oxide red for Li-ion batteries. <i>Journal of Hazardous Materials</i> , 2019 , 368, 714-721	12.8	57

145	Preparation and characterization of sub-micro $\text{LiNi}_0.5\text{Mn}_1.5\text{xO}_4$ for 5V cathode materials synthesized by an ultrasonic-assisted co-precipitation method. <i>Journal of Power Sources</i> , 2007 , 167, 185-191	8.9	55
144	Functional cation defects engineering in TiS_2 for high-stability anode. <i>Nano Energy</i> , 2020 , 67, 104295	17.1	55
143	Electrochemical performance and lithium-ion intercalation kinetics of submicron-sized $\text{Li}_4\text{Ti}_5\text{O}_{12}$ anode material. <i>Journal of Alloys and Compounds</i> , 2013 , 547, 107-112	5.7	54
142	Rapid Lithiation and Delithiation Property of V-Doped $\text{Li}_2\text{ZnTi}_3\text{O}_8$ as Anode Material for Lithium-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3062-3069	8.3	51
141	A literature review and test: Structure and physicochemical properties of spinel LiMn_2O_4 synthesized by different temperatures for lithium ion battery. <i>Synthetic Metals</i> , 2009 , 159, 1255-1260	3.6	51
140	$\text{Li}_5\text{Cr}_7\text{Ti}_6\text{O}_{25}$ as a novel negative electrode material for lithium-ion batteries. <i>Chemical Communications</i> , 2015 , 51, 14050-3	5.8	50
139	Understanding the thermal and mechanical stabilities of olivine-type LiMPO_4 (M = Fe, Mn) as cathode materials for rechargeable lithium batteries from first principles. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4033-42	9.5	50
138	Synthesis and application of a novel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ composite as anode material with enhanced fast charge-discharge performance for lithium-ion battery. <i>Electrochimica Acta</i> , 2014 , 134, 377-383	6.7	49
137	Coal-based S hybrid self-doped porous carbon for high-performance supercapacitors and potassium-ion batteries. <i>Journal of Power Sources</i> , 2020 , 461, 228151	8.9	49
136	Effects of morphology on the visible-light-driven photocatalytic and bactericidal properties of BiVO_4/CdS heterojunctions: A discussion on photocatalysis mechanism. <i>Journal of Alloys and Compounds</i> , 2020 , 817, 153246	5.7	48
135	Increased cycling stability of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ -coated $\text{LiMn}_1.5\text{Ni}_0.5\text{O}_4$ as cathode material for lithium-ion batteries. <i>Ceramics International</i> , 2013 , 39, 3087-3094	5.1	46
134	Synthesis and electrochemistry of 5 V $\text{LiNi}_0.4\text{Mn}_1.6\text{O}_4$ cathode materials synthesized by different methods. <i>Electrochimica Acta</i> , 2008 , 53, 3120-3126	6.7	46
133	Design and comparison of ex situ and in situ devices for Raman characterization of lithium titanate anode material. <i>Ionics</i> , 2011 , 17, 503-509	2.7	45
132	Comparison of structure and electrochemical properties for 5 V $\text{LiNi}_0.5\text{Mn}_1.5\text{O}_4$ and $\text{LiNi}_0.4\text{Cr}_0.2\text{Mn}_1.4\text{O}_4$ cathode materials. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 913-919	2.6	43
131	Enhanced electrochemical property of FePO_4 -coated $\text{LiNi}_0.5\text{Mn}_1.5\text{O}_4$ as cathode materials for Li-ion battery. <i>Science Bulletin</i> , 2017 , 62, 1004-1010	10.6	41
130	Synthesis of Er-doped LiMnPO_4/C by a sol-assisted hydrothermal process with superior rate capability. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 832, 196-203	4.1	40
129	Enhanced rate performance of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ anode material by ethanol-assisted hydrothermal synthesis for lithium-ion battery. <i>Ceramics International</i> , 2014 , 40, 9853-9858	5.1	38
128	Recent progress in the electrolytes for improving the cycling stability of $\text{LiNi}_0.5\text{Mn}_1.5\text{O}_4$ high-voltage cathode. <i>Ionics</i> , 2016 , 22, 1759-1774	2.7	37

127	Li ₄ Ti ₅ O ₁₂ @Al ₂ O ₃ Composite as High Performance Anode Material for Lithium-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1994-2003	8.3	37
126	High-Surface-Area and Porous CoP Nanosheets as Cost-Effective Cathode Catalysts for Li-O Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21281-21290	9.5	37
125	Porous sphere-like LiNi _{0.5} Mn _{1.5} O ₄ -CeO ₂ composite with high cycling stability as cathode material for lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2017 , 703, 103-113	5.7	36
124	Approaching High-Performance Lithium Storage Materials by Constructing Hierarchical CoNiO ₂ @CeO ₂ Nanosheets. <i>Energy and Environmental Materials</i> , 2020 ,	13	36
123	Kinetic study on LiFePO ₄ -positive electrode material of lithium-ion battery. <i>Ionics</i> , 2011 , 17, 437-441	2.7	35
122	Improved high-rate performance of Li ₄ Ti ₅ O ₁₂ /carbon nanotube nanocomposite anode for lithium-ion batteries. <i>Solid State Ionics</i> , 2015 , 276, 84-89	3.3	34
121	Enhanced electrochemical performance of Li-rich low-Co Li _{1.2} Mn _{0.56} Ni _{0.16} Co _{0.08} Al _x O ₂ (0 ≤ x ≤ 0.08) as cathode materials. <i>Science China Materials</i> , 2016 , 59, 618-628	7.1	34
120	Facile synthesis of MoO ₂ /CNTs composites for high-performance supercapacitor electrodes. <i>Ceramics International</i> , 2016 , 42, 9250-9256	5.1	34
119	Spinel Li ₄ Ti ₅ Zr _x O ₁₂ (0 ≤ x ≤ 0.25) materials as high-performance anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2013 , 558, 11-17	5.7	34
118	High-performance xLi ₂ MnO ₃ [(1-x)LiMn _{1/3} Co _{1/3} Ni _{1/3} O ₂] (0.1 ≤ x ≤ 0.5) as Cathode Material for Lithium-ion Battery. <i>Electrochimica Acta</i> , 2016 , 188, 686-695	6.7	33
117	Carbon-coated LiMn _{1-x} Fe _x PO ₄ (0 ≤ x ≤ 0.5) nanocomposites as high-performance cathode materials for Li-ion battery. <i>Composites Part B: Engineering</i> , 2019 , 175, 107067	10	33
116	Lithium-ion insertion kinetics of Nb-doped LiMn ₂ O ₄ positive-electrode material. <i>Ceramics International</i> , 2013 , 39, 4673-4678	5.1	33
115	Comparison of electronic property and structural stability of LiMn ₂ O ₄ and LiNi _{0.5} Mn _{1.5} O ₄ as cathode materials for lithium-ion batteries. <i>Computational Materials Science</i> , 2010 , 50, 776-779	3.2	33
114	Free-standing honeycomb-like N doped carbon foam derived from coal tar pitch for high-performance supercapacitor. <i>Applied Surface Science</i> , 2020 , 506, 145014	6.7	33
113	Hybrid porous flower-like NiO@CeO ₂ microspheres with improved pseudocapacitive properties. <i>Electrochimica Acta</i> , 2019 , 297, 593-605	6.7	33
112	Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ hollow hierarchical microspheres with enhanced electrochemical performances as cathode material for lithium-ion battery application. <i>Electrochimica Acta</i> , 2017 , 237, 217-226	6.7	32
111	Hierarchical mesoporous flower-like ZnCo ₂ O ₄ @NiO nanoflakes grown on nickel foam as high-performance electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2018 , 284, 128-141	6.7	32
110	Structure and electrochemical performance of Li ₄ Ti ₅ O ₁₂ -coated LiMn _{1.4} Ni _{0.4} Cr _{0.2} O ₄ spinel as 5V materials. <i>Electrochemistry Communications</i> , 2009 , 11, 91-94	5.1	31

109	Density functional theory study of lithium intercalation for 5V LiNi _{0.5} Mn _{1.5} O ₄ cathode materials. <i>Solid State Ionics</i> , 2008 , 179, 2132-2136	3-3	31
108	Enhanced electrochemical performance of a novel Li ₄ Ti ₅ O ₁₂ composite as anode material for lithium-ion battery in a broad voltage window. <i>Ceramics International</i> , 2015 , 41, 2336-2341	5-1	30
107	Effect of treated temperature on structure and performance of LiCoO ₂ coated by Li ₄ Ti ₅ O ₁₂ . <i>Surface and Coatings Technology</i> , 2011 , 205, 3885-3889	4-4	30
106	Improved lithium storage performance of lithium sodium titanate anode by titanium site substitution with aluminum. <i>Journal of Power Sources</i> , 2015 , 293, 33-41	8-9	29
105	Construction of spherical NiO@MnO ₂ with core-shell structure obtained by depositing MnO ₂ nanoparticles on NiO nanosheets for high-performance supercapacitor. <i>Ceramics International</i> , 2020 , 46, 421-429	5-1	29
104	Co ₃ O ₄ @NiCo ₂ O ₄ microsphere as electrode materials for high-performance supercapacitors. <i>Solid State Ionics</i> , 2019 , 336, 110-119	3-3	28
103	Structure and electrochemical properties of Sc ³⁺ -doped Li ₄ Ti ₅ O ₁₂ as anode materials for lithium-ion battery. <i>Ceramics International</i> , 2015 , 41, 7073-7079	5-1	28
102	Enhanced fast charge/discharge performance of Li ₄ Ti ₅ O ₁₂ as anode materials for lithium-ion batteries by Ce and CeO ₂ modification using a facile method. <i>RSC Advances</i> , 2015 , 5, 37367-37376	3-7	28
101	Synthesis of LiNi _{0.5} Mn _{1.5} O ₄ cathode with excellent fast charge-discharge performance for lithium-ion battery. <i>Electrochimica Acta</i> , 2014 , 147, 250-256	6-7	28
100	Enhanced cycling stability of micro-sized LiCoO ₂ cathode by Li ₄ Ti ₅ O ₁₂ coating for lithium ion battery. <i>Materials Research Bulletin</i> , 2010 , 45, 456-459	5-1	28
99	Enhanced lithium storage capability of sodium lithium titanate via lithium-site doping. <i>Journal of Power Sources</i> , 2015 , 297, 283-294	8-9	27
98	Mesoporous NiCo ₂ O ₄ nanoneedles@MnO ₂ nanoparticles grown on nickel foam for electrode used in high-performance supercapacitors. <i>Journal of Energy Chemistry</i> , 2019 , 31, 167-177	12	26
97	Mannich reaction catalyzed by a novel catalyst under solvent-free conditions. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 653-656	6-3	26
96	Stabilities and electronic properties of lithium titanium oxide anode material for lithium ion battery. <i>Journal of Power Sources</i> , 2012 , 198, 318-321	8-9	25
95	A Simple and Low-Cost Method to Synthesize Cr-Doped Fe ₂ O ₃ Electrode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019 , 6, 856-864	4-3	25
94	Ultrasound-assisted two-step water-bath synthesis of g-C ₃ N ₄ /BiOBr composites: visible light-driven photocatalysis, sterilization, and reaction mechanism. <i>New Journal of Chemistry</i> , 2019 , 43, 8711-8721	3-6	24
93	Mg-doped Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ nano flakes with improved electrochemical performance for lithium-ion battery application. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 607-615	5-7	23
92	Robust Strategy for Crafting LiCrTiO@CeO Composites as High-Performance Anode Material for Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23662-23671	9-5	23

91	Advanced electrochemical performance of $\text{LiMn}_{1.4}\text{Cr}_{0.2}\text{Ni}_{0.4}\text{O}_4$ as 5V cathode material by citric-acid-assisted method. <i>Journal of Physics and Chemistry of Solids</i> , 2009 , 70, 153-158	3.9	22
90	$\text{Li}_4\text{Ti}_5\text{O}_{12}$ -rutile TiO_2 nanosheet composite as a high performance anode material for lithium-ion battery. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 8571-8578	6.7	21
89	Approaching high-performance electrode materials of ZnCo_2S_4 nanoparticle wrapped carbon nanotubes for supercapacitors. <i>Journal of Materiomics</i> , 2021 , 7, 563-576	6.7	21
88	Structural stabilities, surface morphologies and electronic properties of spinel LiTi_2O_4 as anode materials for lithium-ion battery: A first-principles investigation. <i>Journal of Power Sources</i> , 2016 , 319, 185-194	8.9	20
87	Improved rate performance of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ as cathode of lithium-ion battery by $\text{Li}_{0.33}\text{La}_{0.56}\text{TiO}_3$ coating. <i>Materials Letters</i> , 2019 , 239, 56-58	3.3	20
86	Improved electrochemical properties of $\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{Li}_{0.33}\text{La}_{0.56}\text{TiO}_3$ composite anodes prepared by a solid-state synthesis. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 612-619	5.7	19
85	ZnS nanoparticles as the electrode materials for high-performance supercapacitors. <i>Solid State Ionics</i> , 2019 , 343, 115074	3.3	19
84	Effect of Sodium-Site Doping on Enhancing the Lithium Storage Performance of Sodium Lithium Titanate. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10302-14	9.5	19
83	Structure and physical properties of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ synthesized at deoxidization atmosphere. <i>Ionics</i> , 2011 , 17, 799-803	2.7	18
82	Fe-stabilized Li-rich layered $\text{Li}_{1.2}\text{Mn}_{0.56}\text{Ni}_{0.16}\text{Co}_{0.08}\text{O}_2$ oxide as a high performance cathode for advanced lithium-ion batteries. <i>Materials Today Energy</i> , 2017 , 4, 25-33	7	17
81	Interconnected $\text{Co}_3\text{O}_4@\text{CoNiO}_2@\text{PPy}$ nanorod and nanosheet composite grown on nickel foam as binder-free electrodes for Li-ion batteries. <i>Solid State Ionics</i> , 2019 , 329, 131-139	3.3	17
80	Towards high-performance anodes: Design and construction of cobalt-based sulfide materials for sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021 , 54, 680-698	12	17
79	Morphology control and its effect on the electrochemical performance of $\text{Na}_2\text{Li}_2\text{Ti}_6\text{O}_{14}$ anode materials for lithium ion battery application. <i>Electrochimica Acta</i> , 2018 , 259, 855-864	6.7	17
78	Effects of different particle sizes on electrochemical performance of spinel LiMn_2O_4 cathode materials. <i>Journal of Materials Science</i> , 2007 , 42, 3825-3830	4.3	16
77	Construction of alternating layered quasi-three-dimensional electrode Ag NWs/CoO for water splitting: A discussion of catalytic mechanism. <i>Electrochimica Acta</i> , 2019 , 317, 468-477	6.7	15
76	Porous ZnTiO_3 rods as a novel lithium storage material for Li-ion batteries. <i>Ceramics International</i> , 2020 , 46, 14030-14037	5.1	15
75	Hollow and hierarchical $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ micro-cubes as promising cathode materials for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2019 , 807, 151686	5.7	15
74	Acetylation of alcohols and phenols with acetic anhydride under solvent-free conditions using an ionic liquid based on morpholine as a recoverable and reusable catalyst. <i>Monatshefte für Chemie</i> , 2010 , 141, 975-978	1.4	15

73	Effects of synthetic parameters on structure and electrochemical performance of spinel lithium manganese oxide by citric acid-assisted sol-gel method. <i>Journal of Alloys and Compounds</i> , 2006 , 425, 343-347	5.7	15
72	Toward superior lithium/sodium storage performance: design and construction of novel TiO ₂ -based anode materials. <i>Rare Metals</i> , 2021 , 40, 3049-3075	5.5	15
71	Review and prospect of Li ₂ ZnTi ₃ O ₈ -based anode materials for Li-ion battery. <i>Ionics</i> , 2019 , 25, 373-397	2.7	15
70	Preparation and performance of lead foam grid for negative electrode of VRLA battery. <i>Materials Chemistry and Physics</i> , 2006 , 99, 431-436	4.4	14
69	Li ₅ Cr ₇ Ti ₆ O ₂₅ /Multiwalled Carbon Nanotubes Composites with Fast Charge-Discharge Performance as Negative Electrode Materials for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A626-A634	3.9	14
68	Li _{0.95} Na _{0.05} MnPO ₄ /C nanoparticles compounded with reduced graphene oxide sheets for superior lithium ion battery cathode performance. <i>Ceramics International</i> , 2019 , 45, 4849-4856	5.1	14
67	Towards high-performance cathodes: Design and energy storage mechanism of vanadium oxides-based materials for aqueous Zn-ion batteries. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214124 ^{23,2}		14
66	Rational construction and decoration of Li ₅ Cr ₇ Ti ₆ O ₂₅ @C nanofibers as stable lithium storage materials. <i>Journal of Energy Chemistry</i> , 2022 ,	12	14
65	Structure and electrochemical performance of BaLi _{2-x} Na _x Ti ₆ O ₁₄ (0 ≤ x ≤ 1) as anode materials for lithium-ion battery. <i>Science China Materials</i> , 2017 , 60, 728-738	7.1	13
64	V ₂ O ₅ modified LiNi _{0.5} Mn _{1.5} O ₄ as cathode material for high-performance Li-ion battery. <i>Materials Letters</i> , 2019 , 253, 136-139	3.3	13
63	Band structure analysis on olivine LiMPO ₄ and delithiated MPO ₄ (M = Fe, Mn) cathode materials. <i>Journal of Alloys and Compounds</i> , 2014 , 617, 716-721	5.7	13
62	Observation on the electrochemical reactions of Li _{3-x} Na _x V ₂ (PO ₄) ₃ (0 ≤ x ≤ 3) as cathode materials for rechargeable batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 690, 31-41	5.7	13
61	Electrochemical intercalation kinetics of lithium ions for spinel LiNi _{0.5} Mn _{1.5} O ₄ cathode material. <i>Russian Journal of Electrochemistry</i> , 2010 , 46, 227-232	1.2	13
60	Improving the cycling stability and rate capability of LiMn _{0.5} Fe _{0.5} PO ₄ /C nanorod as cathode materials by LiAlO ₂ modification. <i>Journal of Materiomics</i> , 2020 , 6, 33-44	6.7	13
59	Facile synthesis of tremelliform Co ₃ O ₄ @CeO ₂ hybrid electrodes grown on Ni foam as high-performance electrodes for supercapacitors. <i>Materials Letters</i> , 2018 , 233, 220-223	3.3	13
58	Synthesis and properties of FeB powders by molten salt method. <i>Journal of Materials Research</i> , 2017 , 32, 883-889	2.5	12
57	Thermodynamic stability and transport properties of tavorite LiFeSO ₄ F as a cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19728-19737	13	12
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- 1 Enhancing lithium storage performance of Na₂Li₂Ti₆O₁₄ by biomass carbon coating for Li-ion batteries. *Materials Chemistry and Physics*, **2022**, 287, 126341 4-4