

Ting-Feng Yi

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.

180
papers

7,052
citations

46
h-index

77
g-index

194
ext. papers

8,310
ext. citations

6.4
avg, IF

6.54
L-index

#	Paper	IF	Citations
180	Enhanced lithium storage property of porous Na ₂ Li ₂ Ti ₆ O ₁₄ @PEDOT spheres as anodes for lithium-ion batteries. <i>Materials Chemistry and Physics</i> , 2022 , 278, 125700	4.4	2
179	Design of Sb ₂ Se ₃ -based nanocomposites for high-performance alkali metal ion batteries driven by a hybrid charge storage mechanism. <i>Chemical Engineering Journal</i> , 2022 , 440, 135971	14.7	1
178	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
177	Sodium-deficient O ₃ N _a 0.75Fe _{0.5} -Cu Mn _{0.5} O ₂ as high-performance cathode materials of sodium-ion batteries. <i>Composites Part B: Engineering</i> , 2022 , 238, 109912	10	3
176	Enhancing lithium storage performance of Na ₂ Li ₂ Ti ₆ O ₁₄ by biomass carbon coating for Li-ion batteries. <i>Materials Chemistry and Physics</i> , 2022 , 287, 126341	4.4	
175	Bimetallic metal-organic framework derived transition metal sulfide microspheres as high-performance lithium/sodium storage materials. <i>Chemical Engineering Journal</i> , 2022 , 446, 137154	14.7	0
174	Towards high-performance battery systems by regulating morphology of TiO ₂ materials. <i>Sustainable Materials and Technologies</i> , 2021 , 30, e00355	5.3	1
173	High-performance Li-ion battery driven by a hybrid Li storage mechanism in a three-dimensional architected ZnTiO-CeO microsphere anode. <i>Dalton Transactions</i> , 2021 ,	4.3	2
172	Controllable Synthesis and Electrochemical Research of Zn ₂ TiO ₄ Spheres as New Anode Materials for Lithium Ion Batteries. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2100149	5.9	0
171	Sulfur-doped 3D hierarchical porous carbon network toward excellent potassium-ion storage performance. <i>Rare Metals</i> , 2021 , 40, 2464-2473	5.5	11
170	Nanosized zinc oxides-based materials for electrochemical energy storage and conversion: Batteries and supercapacitors. <i>Chinese Chemical Letters</i> , 2021 , 33, 714-714	8.1	1
169	Construction of porous NiCo ₂ S ₄ @CeO ₂ microspheres composites for high-performance pseudocapacitor electrode by morphology reshaping. <i>Materials Today Chemistry</i> , 2021 , 20, 100448	6.2	4
168	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
167	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
166	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
165	Black phosphorus quantum dots supported by a conductive polymer nanofibrous membrane: A self-standing, metal-free electrocatalyst for nitrogen fixation. <i>Composites Communications</i> , 2021 , 23, 100551	6.7	2
164	Approaching high-performance electrode materials of ZnCo ₂ S ₄ nanoparticle wrapped carbon nanotubes for supercapacitors. <i>Journal of Materiomics</i> , 2021 , 7, 563-576	6.7	21

163	Advancement of technology towards high-performance non-aqueous aluminum-ion batteries. <i>Journal of Energy Chemistry</i> , 2021 , 57, 169-188	12	7
162	Boosting the lithium storage performance of NaLiTiO anodes by g-CN modification. <i>Dalton Transactions</i> , 2021 , 50, 5208-5217	4.3	3
161	Promoting the Li storage performances of Li ₂ ZnTi ₃ O ₈ @Na ₂ WO ₄ composite anode for Li-ion battery. <i>Ceramics International</i> , 2021 , 47, 19455-19463	5.1	3
160	Construction of Carbon-Coated LiMnFePO@LiLaTiO Nanorod Composites for High-Performance Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33102-33111	9.5	2
159	Li ₂ ZnTi ₃ O ₈ @Fe ₂ O ₃ composite anode material for Li-ion batteries. <i>Ceramics International</i> , 2021 , 47, 18732-18742	5.1	3
158	Improved lithium storage performance of CeO ₂ -decorated SrLi ₂ Ti ₆ O ₁₄ material as an anode for Li-ion battery. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 101, 144-152	6.3	5
157	Boosting the Li storage performances of Bi ₅ Nb ₃ O ₁₅ @CeO ₂ composite anode for lithium-ion batteries. <i>Surface and Coatings Technology</i> , 2021 , 423, 127580	4.4	1
156	Towards high-performance electrocatalysts and photocatalysts: Design and construction of MXenes-based nanocomposites for water splitting. <i>Chemical Engineering Journal</i> , 2021 , 421, 129944	14.7	9
155	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}	23.2	14
154	Highly uniform platanus fruit-like CuCoS microspheres as an electrode material for high performance lithium-ion batteries and supercapacitors. <i>Dalton Transactions</i> , 2021 , 50, 13042-13051	4.3	0
153	Effect of cation doping on the electrochemical properties of Li ₂ MoO ₃ as a promising cathode material for lithium-ion battery. <i>Ionics</i> , 2020 , 26, 4413-4422	2.7	4
152	NiCo ₂ S ₄ -based nanocomposites for energy storage in supercapacitors and batteries. <i>Nano Today</i> , 2020 , 33, 100894	17.9	81
151	Li ₂ MoO ₃ microspheres with excellent electrochemical performances as cathode material for lithium-ion battery. <i>Ionics</i> , 2020 , 26, 4401-4411	2.7	3
150	Facile Synthesis of Sheet Stacking Structure NiCo ₂ S ₄ @PPy with Enhanced Rate Capability and Cycling Performance for Aqueous Supercapacitors. <i>Energy Technology</i> , 2020 , 8, 2000096	3.5	8
149	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
148	Al ₂ O ₃ coating on BaLi ₂ Ti ₆ O ₁₄ surface to boost its stability and rate performance. <i>Ceramics International</i> , 2020 , 46, 14398-14407	5.1	3
147	Comprehensive insights and perspectives into the recent progress of electrode materials for non-aqueous K-ion battery. <i>Journal of Materiomics</i> , 2020 , 6, 431-454	6.7	12
146	Porous spherical NiO@NiMoO ₄ @PPy nanoarchitectures as advanced electrochemical pseudocapacitor materials. <i>Science Bulletin</i> , 2020 , 65, 546-556	10.6	123

145	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
144	SrLi ₂ Ti ₆ O ₁₄ @AlF ₃ composite as high performance anode materials for lithium ion battery application. <i>Electrochimica Acta</i> , 2020 , 329, 135139	6.7	6
143	In Situ Construction of Multibuffer Structure 3D CoSn@SnO _x /CoO _x @C Anode Material for Ultralong Life Lithium Storage. <i>Energy Technology</i> , 2020 , 8, 1900829	3.5	7
142	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
141	Functional cation defects engineering in TiS ₂ for high-stability anode. <i>Nano Energy</i> , 2020 , 67, 104295	17.1	55
140	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
139	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
138	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
137	Effect of F Dopant on the Structural Stability, Redox Mechanism, and Electrochemical Performance of Li ₂ MoO ₃ Cathode Materials. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000104	5.9	3
136	Approaching High-Performance Lithium Storage Materials by Constructing Hierarchical CoNiO ₂ @CeO ₂ Nanosheets. <i>Energy and Environmental Materials</i> , 2020 ,	13	36
135	Construction of spherical ZnTiO ₃ /MWCNTs composites as anode material for high-performance Li-ion batteries. <i>Sustainable Materials and Technologies</i> , 2020 , 25, e00207	5.3	3
134	NiCo alloy nanoparticles encapsulated in N-doped 3D porous carbon as efficient electrocatalysts for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 22797-22807	6.7	8
133	Improving the stability, lithium diffusion dynamics, and specific capacity of SrLi ₂ Ti ₆ O ₁₄ via ZrO ₂ coating. <i>Green Energy and Environment</i> , 2020 , 7, 53-53	5.7	1
132	Construction of Porous ZnS@Co ₃ S ₄ @NiO Nanosheets Hybrid Materials for High-Performance Pseudocapacitor Electrode by Morphology Reshaping. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000090	5.9	5
131	Epitaxial growth of metastable phase Ag ₂ MoO ₄ on WO ₃ surface: Visible light-driven photocatalysis, sterilization, and reaction mechanism. <i>Journal of Alloys and Compounds</i> , 2020 , 814, 152255	5.7	6
130	Green synthesis of reduced graphene oxide as high-performance electrode materials for supercapacitors. <i>Ionics</i> , 2020 , 26, 415-422	2.7	9
129	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
128	Improving the structural stability and electrochemical performance of NaLiTiO nanoparticles MgF coating.. <i>RSC Advances</i> , 2019 , 9, 15763-15771	3.7	7

127	Hydrothermal synthesis and characterization of β -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
126	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
125	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
124	Surface modification of Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ via an ionic conductive LiV ₃ O ₈ as a cathode material for Li-ion batteries. <i>Ionics</i> , 2019 , 25, 4567-4576	2.7	10
123	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
122	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
121	Synthesis of morphology controllable free-standing Co ₃ O ₄ nanostructures and their catalytic activity for LiO ₂ cells. <i>Electrochimica Acta</i> , 2019 , 307, 232-240	6.7	8
120	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
119	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
118	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
117	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
116	Design and synthesis of carbon-coated β -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
115	Hollow and hierarchical Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} 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
114	Carbon-coated LiMn ₁ -Fe PO ₄ (0 $\bar{1}$ 0.5) nanocomposites as high-performance cathode materials for Li-ion battery. <i>Composites Part B: Engineering</i> , 2019 , 175, 107067	10	33
113	ZnS nanoparticles as the electrode materials for high-performance supercapacitors. <i>Solid State Ionics</i> , 2019 , 343, 115074	3.3	19
112	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
111	High-performance β -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
110	Interconnected Co ₃ O ₄ @CoNiO ₂ @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

109	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
108	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
107	A Simple and Low-Cost Method to Synthesize Cr-Doped Fe_2O_3 Electrode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019 , 6, 856-864	4-3	25
106	Hybrid porous flower-like $\text{NiO}@\text{CeO}_2$ microspheres with improved pseudocapacitive properties. <i>Electrochimica Acta</i> , 2019 , 297, 593-605	6-7	33
105	Review and prospect of $\text{Li}_2\text{ZnTi}_3\text{O}_8$ -based anode materials for Li-ion battery. <i>Ionics</i> , 2019 , 25, 373-397	2-7	15
104	$\text{Li}_0.95\text{Na}_0.05\text{MnPO}_4/\text{C}$ 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
103	Facile strategy to fabricate $\text{Na}_2\text{Li}_2\text{Ti}_6\text{O}_{14}@\text{Li}_0.33\text{La}_0.56\text{TiO}_3$ composites as promising anode materials for lithium-ion battery. <i>Ceramics International</i> , 2018 , 44, 12273-12281	5-1	10
102	Mg-doped $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ 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
101	Hierarchical mesoporous flower-like $\text{ZnCo}_2\text{O}_4@\text{NiO}$ nanoflakes grown on nickel foam as high-performance electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2018 , 284, 128-141	6-7	32
100	Recent advances in the research of $\text{MLi}_2\text{Ti}_6\text{O}_{14}$ ($M = 2\text{Na}, \text{Sr}, \text{Ba}, \text{Pb}$) anode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2018 , 399, 26-41	8-9	112
99	Nitrogen-Doped Hierarchical Porous Carbon from Wheat Straw for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11595-11605	8-3	72
98	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
97	Recent progress of NiCo_2O_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
96	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
95	Facile synthesis of tremelliform $\text{Co}_3\text{O}_4@\text{CeO}_2$ hybrid electrodes grown on Ni foam as high-performance electrodes for supercapacitors. <i>Materials Letters</i> , 2018 , 233, 220-223	3-3	13
94	Synthesis and properties of FeB powders by molten salt method. <i>Journal of Materials Research</i> , 2017 , 32, 883-889	2-5	12
93	Porous sphere-like $\text{LiNi}_0.5\text{Mn}_1.5\text{O}_4\text{-CeO}_2$ 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
92	$\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ 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

91	Fe-stabilized Li-rich layered Li _{1.2} Mn _{0.56} Ni _{0.16} Co _{0.08} O ₂ oxide as a high performance cathode for advanced lithium-ion batteries. <i>Materials Today Energy</i> , 2017 , 4, 25-33	7	17
90	Structure and electrochemical performance of BaLi _{2-x} Na _x Ti ₆ O ₁₄ (0 ≤ x ≤ 2) as anode materials for lithium-ion battery. <i>Science China Materials</i> , 2017 , 60, 728-738	7.1	13
89	Enhanced electrochemical property of FePO ₄ -coated LiNi _{0.5} Mn _{1.5} O ₄ as cathode materials for Li-ion battery. <i>Science Bulletin</i> , 2017 , 62, 1004-1010	10.6	41
88	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
87	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
86	Understanding the thermal stability and bonding characteristic of Li _x Ni _{0.5} Mn _{1.5} O ₄ as cathode materials for lithium-ion battery from first principles. <i>Ionics</i> , 2017 , 23, 559-565	2.7	2
85	Recent progress in the electrolytes for improving the cycling stability of LiNi _{0.5} Mn _{1.5} O ₄ high-voltage cathode. <i>Ionics</i> , 2016 , 22, 1759-1774	2.7	37
84	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
83	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
82	Li _{3-x} Na _x V ₂ (PO ₄) ₃ (0 ≤ x ≤ 3): Possible anode materials for rechargeable lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 200, 1-11	6.7	8
81	In-situ X-ray diffraction study on the structural reversibility of lithium nickel cobalt oxide in a broad electrochemical window of 1.35-3 V. <i>Electrochimica Acta</i> , 2016 , 190, 248-257	6.7	5
80	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
79	Facile synthesis of MoO ₂ /CNTs composites for high-performance supercapacitor electrodes. <i>Ceramics International</i> , 2016 , 42, 9250-9256	5.1	34
78	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
77	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
76	Structural stabilities, surface morphologies and electronic properties of spinel LiTi ₂ O 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
75	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
74	Fabrication and electrochemical properties of CuCrO ₂ anode obtained by a sol-gel method. <i>Ceramics International</i> , 2015 , 41, 6668-6675	5.1	8

73	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
72	Li ₅ Cr ₇ Ti ₆ O ₂₅ as a novel negative electrode material for lithium-ion batteries. <i>Chemical Communications</i> , 2015 , 51, 14050-3	5.8	50
71	Li ₄ Ti ₅ 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
70	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
69	Improved electrochemical properties of Li ₄ Ti ₅ O ₁₂ /Li _{0.33} La _{0.56} TiO ₃ composite anodes prepared by a solid-state synthesis. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 612-619	5.7	19
68	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
67	Lithium-Ion Insertion Kinetics of Na-Doped LiFePO ₄ as Cathode Materials for Lithium-Ion Batteries. <i>Metallurgical and Materials Transactions E</i> , 2015 , 2, 33-38		5
66	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
65	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
64	Rapid Lithiation and Delithiation Property of V-Doped Li ₂ ZnTi ₃ O ₈ as Anode Material for Lithium-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3062-3069	8.3	51
63	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
62	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
61	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
60	Effect of temperature on lithium-ion intercalation kinetics of LiMn _{1.5} Ni _{0.5} O ₄ -positive-electrode material. <i>Ionics</i> , 2014 , 20, 309-314	2.7	6
59	Improved electrochemical performance of Ag-modified Li ₄ Ti ₅ O ₁₂ anode material in a broad voltage window. <i>Journal of Chemical Sciences</i> , 2014 , 126, 17-23	1.8	12
58	Enhanced rate performance of Li ₄ Ti ₅ O ₁₂ anode material by ethanol-assisted hydrothermal synthesis for lithium-ion battery. <i>Ceramics International</i> , 2014 , 40, 9853-9858	5.1	38
57	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
56	Effect of lithium extraction on the stabilities, electrochemical properties, and bonding characteristics of LiFePO ₄ cathode materials: A first-principles investigation. <i>Ceramics International</i> , 2014 , 40, 2655-2661	5.1	7

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50	Rapid charge-discharge property of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ - 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
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45	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
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