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CoreShell $\text{Li}_3\text{V}_2(\text{PO}_4)_3@C$ Composites as Cathode Materials for Lithium-Ion Batteries

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#	Paper	IF	Citations
248	LiVOPO ₄ Hollow Microspheres: One-Pot Hydrothermal Synthesis with Reactants as Self-Sacrifice Templates and Lithium Intercalation Performances. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13043-13046	3.8	48
247	Morphology and electrical properties of carbon coated LiFePO ₄ cathode materials. <i>Journal of Power Sources</i> , 2009 , 189, 462-466	8.9	94
246	Preparation and electrochemical performance studies on Cr-doped Li ₃ V ₂ (PO ₄) ₃ as cathode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2009 , 54, 5844-5850	6.7	199
245	LiVOPO ₄ : A cathode material for 4V lithium ion batteries. <i>Journal of Power Sources</i> , 2009 , 189, 786-789	8.9	72
244	Fast synthesis of core-shell LiCoPO ₄ /C nanocomposite via microwave heating and its electrochemical Li intercalation performances. 2009 , 11, 95-98		126
243	Sol-gel preparation and electrochemical performances of LiFe _{1/3} Mn _{1/3} Co _{1/3} PO ₄ /C composites with core-shell nanostructure. 2009 , 11, 1183-1186		57
242	Preparation and characteristic of spherical Li ₃ V ₂ (PO ₄) ₃ . <i>Journal of Alloys and Compounds</i> , 2009 , 486, L5-L7	5.7	26
241	Preparation and electrochemical studies of Li ₃ V ₂ (PO ₄) ₃ /Cu composite cathode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2009 , 488, L26-L29	5.7	63
240	Carbon/ZnO Nanorod Array Electrode with Significantly Improved Lithium Storage Capability. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5336-5339	3.8	189
239	Conducting solids. 2009 , 105, 436		1
238	Hydrothermal synthesis and rate capacity studies of Li ₃ V ₂ (PO ₄) ₃ nanorods as cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2010 , 55, 8461-8465	6.7	68
237	Synthesis and performance of carbon-coated Li ₃ V ₂ (PO ₄) ₃ cathode materials by a low temperature solid-state reaction. <i>Journal of Power Sources</i> , 2010 , 195, 2844-2850	8.9	85
236	Temperature-controlled microwave solid-state synthesis of Li ₃ V ₂ (PO ₄) ₃ as cathode materials for lithium batteries. <i>Journal of Power Sources</i> , 2010 , 195, 5374-5378	8.9	52
235	Preparation and electrochemical performance of Li ₃ V ₂ (PO ₄) ₃ /C cathode material by spray-drying and carbothermal method. 2010 , 14, 883-888		31
234	LiVOPO ₄ as an anode material for lithium ion batteries. 2010 , 40, 209-213		28
233	Effects of carbon coating on the temperature-dependent electrochemical properties of Li ₃ V ₂ (PO ₄) ₃ . 2010 , 12, 1672-1676		14
232	Novel synthesis of LiFePO ₄ Li ₃ V ₂ (PO ₄) ₃ composite cathode material by aqueous precipitation and lithiation. <i>Journal of Power Sources</i> , 2010 , 195, 2935-2938	8.9	67

231	Synthesis and characterization of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2010 , 195, 5013-5018	8.9	140
230	Microwave solid-state synthesis and electrochemical properties of carbon-free $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ as cathode materials for lithium batteries. <i>Electrochimica Acta</i> , 2010 , 55, 2951-2957	6.7	43
229	Crystal structure and electrochemical performance of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ synthesized by optimized microwave solid-state synthesis route. <i>Electrochimica Acta</i> , 2010 , 55, 3669-3680	6.7	30
228	The $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composites with high-rate capability prepared by a maltose-based sol-gel route. <i>Electrochimica Acta</i> , 2010 , 55, 6761-6767	6.7	86
227	High performance $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composite cathode material for lithium ion batteries studied in pilot scale test. <i>Electrochimica Acta</i> , 2010 , 55, 8595-8599	6.7	75
226	A $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ thin film with high rate capability as a cathode material for lithium-ion batteries. 2010 , 12, 52-55		93
225	Electrochemical Performance of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ Cathode Material Prepared by Soft Chemistry Route. 2010 , 129-131, 521-525		2
224	CORE/SHELL STRUCTURED NANOCOMPOSITES FOR ELECTRODE MATERIALS OF LITHIUM ION BATTERIES. 2010 , 03, 193-195		4
223	Facile synthesized nanorod structured vanadium pentoxide for high-rate lithium batteries. 2010 , 20, 9193		293
222	Structural evolution from mesoporous $\gamma\text{-Fe}_2\text{O}_3$ to $\text{Fe}_3\text{O}_4/\text{C}$ and $\gamma\text{-Fe}_2\text{O}_3$ nanospheres and their lithium storage performances. 2011 , 13, 4709		101
221	Preparation and lithium storage performances of mesoporous $\text{Fe}_3\text{O}_4/\text{C}$ microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 705-9	9.5	189
220	$\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{graphene}$ nanocomposites as cathode material for lithium ion batteries. 2011 , 47, 9110-2		185
219	Improved Electrochemical Performance in $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ Promoted by Niobium-Incorporation. <i>Journal of the Electrochemical Society</i> , 2011 , 158, A924	3.9	44
218	Li ion battery materials with core-shell nanostructures. 2011 , 3, 3967-83		426
217	Synthesis and electrochemical properties of Na-doped $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 10169-10175	8.9	97
216	One-pot syntheses of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode material for lithium ion batteries via ascorbic acid reduction approach. 2011 , 128, 470-474		21
215	Electrochemical properties of nano-sized $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composite powders prepared by spray pyrolysis from spray solution with chelating agent. 2011 , 131, 292-296		17
214	Synthesis and performance of carbon-coated $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode materials for lithium-ion batteries. <i>Russian Journal of Electrochemistry</i> , 2011 , 47, 1399-1403	1.2	2

213	Structural properties of composite cathode material $\text{LiFePO}_4\text{ Li}_3\text{V}_2(\text{PO}_4)_3$. <i>Ionics</i> , 2011 , 17, 859-862	2.7	12
212	Improvement of the electrochemical properties of $\text{V}_3\text{O}_7\text{ H}_2\text{O}$ nanobelts for Li battery application through synthesis of $\text{V}_3\text{O}_7\text{ C}$ core-shell nanostructured composites. 2011 , 11, 1159-1163		49
211	Electrochemical performance of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode materials using stearic acid as a carbon source. <i>Electrochimica Acta</i> , 2011 , 56, 2269-2275	6.7	112
210	Mn influence on the electrochemical behaviour of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode material. <i>Electrochimica Acta</i> , 2011 , 56, 2648-2655	6.7	74
209	Core-shell $\text{Ni}_0.5\text{TiOPO}_4/\text{C}$ composites as anode materials in Li ion batteries. <i>Electrochimica Acta</i> , 2011 , 56, 2290-2294	6.7	17
208	Effects of synthetic route on structure and electrochemical performance of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode materials. <i>Electrochimica Acta</i> , 2011 , 56, 4139-4145	6.7	66
207	Investigation on a core-shell nano-structural LiFePO_4/C and its interfacial CO interaction. <i>Electrochimica Acta</i> , 2011 , 56, 6940-6944	6.7	18
206	Novel hedgehog-like 5V LiCoPO_4 positive electrode material for rechargeable lithium battery. <i>Journal of Power Sources</i> , 2011 , 196, 4806-4810	8.9	67
205	Synthesis and improved electrochemical performances of porous $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ spheres as cathode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 7715-7720	8.9	83
204	The Effects of Citric Acid on the Performance of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$. 2011 , 391-392, 1064-1068		1
203	One-Step Synthesis of Asphalt Based $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ Nanocomposites as Cathode Materials for Lithium-Ion Batteries. 2011 , 396-398, 1748-1754		1
202	Modification of High Potential, High Capacity $\text{Li}_2\text{FeP}_2\text{O}_7$ Cathode Material for Lithium Ion Batteries. 2012 , 1440, 37		
201	Low-temperature Electrochemical Performance of LiFePO_4/C Cathode with 3D Conducting Networks. 2012 , 41, 232-233		2
200	Structure and Electrochemistry of Vanadium-Modified LiFePO_4 . <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20787-20793	3.8	46
199	Atomistic Simulation Study of Monoclinic $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ as a Cathode Material for Lithium Ion Battery: Structure, Defect Chemistry, Lithium Ion Transport Pathway, and Dynamics. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25190-25197	3.8	58
198	$\text{Co}_3\text{O}_4\text{ }$ core-shell nanowire array as an advanced anode material for lithium ion batteries. 2012 , 22, 15056		187
197	An integrated core-shell structured $\text{Li}_3\text{V}_2(\text{PO}_4)_3\text{ C}$ cathode material of LIBs prepared by a momentary freeze-drying method. 2012 , 22, 5281		65
196	Rate performance of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode material and its Li^+ ion intercalation behavior. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 236-241	5.7	36

195	High-performance $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode materials prepared via a sol-gel route with double carbon sources. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 414-419	5.7	38
194	Core-shell VPO_4/C anode materials for Li ion batteries: Computational investigation and sol-gel synthesis. <i>Journal of Alloys and Compounds</i> , 2012 , 522, 167-171	5.7	28
193	Synthesis and properties of $\text{Li}_3\text{V}_2\text{Cex}(\text{PO}_4)_3/\text{C}$ cathode materials for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2012 , 532, 49-54	5.7	52
192	Freeze-drying synthesis of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2012 , 536, 132-137	5.7	33
191	$\text{Li}_3\text{V}_2(\text{PO}_4)_3$ nanocrystals embedded in a nanoporous carbon matrix supported on reduced graphene oxide sheets: Binder-free and high rate cathode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 214, 171-177	8.9	106
190	Enhanced Lithiation of Doped 6H Silicon Carbide (0001) via High Temperature Vacuum Growth of Epitaxial Graphene. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20949-20957	3.8	30
189	Direct fabrication of organic carbon coated $\text{VO}_2(\text{B})$ ($\text{VO}_2(\text{B})@\text{C}$) core-shell structured nanobelts by one step hydrothermal route and its formation mechanism. 2012 , 263, 124-131		23
188	Graphene modified $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ as a high-performance cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2012 , 85, 377-383	6.7	54
187	Combustion synthesized nanocrystalline $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2012 , 47, 4300-4304	5.1	19
186	Beltlike $\text{V}_2\text{O}_3@\text{C}$ Core-shell-Structured Composite: Design, Preparation, Characterization, Phase Transition, and Improvement of Electrochemical Properties of V_2O_3 . 2012 , 2012, 1650-1659		93
185	Significantly Improved Electrochemical Performance in $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ Promoted by SiO_2 Coating for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 12401-12408	3.8	116
184	A PEG-assisted rheological phase reaction synthesis of $5\text{LiFePO}_4/\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ as cathode material for lithium ion cells. <i>Ionics</i> , 2012 , 18, 523-527	2.7	23
183	Synthesis and characterization of macroporous $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composites as cathode materials for Li-ion batteries. 2012 , 16, 937-944		18
182	High tap-density $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composite material synthesized by sol spray-drying and post-calcining method. <i>Electrochimica Acta</i> , 2012 , 64, 65-70	6.7	40
181	Synthesis of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ with high tap-density and high-rate performance by spray drying and liquid nitrogen quenching method. <i>Electrochimica Acta</i> , 2012 , 67, 55-61	6.7	15
180	Organic phosphoric sources for syntheses of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ via improved rheological phase reaction. <i>Materials Letters</i> , 2012 , 66, 196-198	3.3	15
179	The low and high temperature electrochemical performances of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode material for Li-ion batteries. <i>Journal of Power Sources</i> , 2012 , 199, 287-292	8.9	87
178	Electrochemical performance of $\text{Li}_3\text{NaxV}_2(\text{PO}_4)_3/\text{C}$ composite cathode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2012 , 201, 267-273	8.9	88

177	Synthesis of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode material via a fast sol-gel method based on spontaneous chemical reactions. <i>Journal of Power Sources</i> , 2012 , 201, 301-306	8.9	52
176	Porous $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode with extremely high-rate capacity prepared by a sol-gel-combustion method for fast charging and discharging. <i>Journal of Power Sources</i> , 2012 , 203, 121-125	8.9	87
175	A novel method to fabricate nonstoichiometric LiFePO_4/C core-shell composites. <i>Journal of Power Sources</i> , 2012 , 205, 463-466	8.9	11
174	High-rate capability of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composites prepared via a polyvinylpyrrolidone-assisted sol-gel method. <i>Journal of Power Sources</i> , 2012 , 208, 282-287	8.9	60
173	Studies of fast-ion conducting $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ coated LiFePO_4 via sol-gel method. <i>Solid State Ionics</i> , 2012 , 212, 106-111	3.3	27
172	Well-distributed TiO_2 nanocrystals on reduced graphene oxides as high-performance anode materials for lithium ion batteries. <i>RSC Advances</i> , 2013 , 3, 13696	3.7	43
171	Synthesis of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{reduced graphene oxide}$ cathode material with high-rate capability. <i>Ionics</i> , 2013 , 19, 577-580	2.7	20
170	Controllable synthesis of spherical $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode material and its electrochemical performance. <i>Electrochimica Acta</i> , 2013 , 90, 433-439	6.7	40
169	A comparative study on electrochemical performances of the electrodes with different nanocarbon conductive additives for lithium ion batteries. 2013 , 142, 345-349		18
168	Electrochemical performance of carbon-coated $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ as a cathode material for asymmetric hybrid capacitors. <i>Electrochimica Acta</i> , 2013 , 107, 59-65	6.7	22
167	Evolution of electrochemical performance in $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composites caused by cation incorporation. <i>Electrochimica Acta</i> , 2013 , 108, 182-190	6.7	24
166	Preparation and electrochemical Li storage performance of $\text{MnO}@\text{C}$ nanorods consisting of ultra small MnO nanocrystals. <i>RSC Advances</i> , 2013 , 3, 9035	3.7	45
165	Highly entangled carbon nanoflakes on $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ microrods for improved lithium storage performance. <i>RSC Advances</i> , 2013 , 3, 1297-1301	3.7	32
164	A carbon-coated $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode material with an enhanced high-rate capability and long lifespan for lithium-ion batteries. 2013 , 1, 2508		90
163	Graphene-Based Composites as Cathode Materials for Lithium Ion Batteries. 2013 , 2013, 1-8		13
162	Improving electrochemical performance of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ in a thiophene-containing electrolyte. <i>Journal of Power Sources</i> , 2013 , 222, 373-378	8.9	29
161	$\text{Li}_2\text{NaV}_2(\text{PO}_4)_3$: A novel composite cathode material with high ratio of rhombohedral phase. <i>Journal of Power Sources</i> , 2013 , 227, 199-203	8.9	40
160	$\text{Li}_3\text{V}_2(\text{PO}_4)_3@\text{C}/\text{graphene}$ composite with improved cycling performance as cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2013 , 91, 108-113	6.7	48

159	Fabrication of belt-like VO ₂ (M)@C core-shell structured composite to improve the electrochemical properties of VO ₂ (M). 2013 , 13, 47-52		23
158	On the use of lithium vanadium phosphate in high power devices. <i>Journal of Power Sources</i> , 2013 , 235, 265-273	8.9	42
157	xLi ₃ V ₂ (PO ₄) ₃ LiVPO ₄ F/C composite cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2013 , 87, 224-229	6.7	71
156	An in-situ copolymerization synthesis of Li ₃ V ₂ (PO ₄) ₃ /C nanocomposite with ultrahigh discharge capacity. <i>Journal of Power Sources</i> , 2013 , 237, 167-171	8.9	24
155	A comparative structural and electrochemical study of monoclinic Li ₃ V ₂ (PO ₄) ₃ /C and rhombohedral Li _{2.5} Na _{0.5} V ₂ (PO ₄) ₃ /C. <i>Electrochimica Acta</i> , 2013 , 103, 259-265	6.7	22
154	Biotemplated synthesis of LiFePO ₄ /C matrixes for the conductive agent-free cathode of lithium ion batteries. <i>Journal of Power Sources</i> , 2013 , 244, 702-706	8.9	21
153	Improvement of cycle stability at elevated temperature and high rate for LiNi _{0.5} Cu _x Mn _{1.5} O ₄ cathode material after Cu substitution. <i>Materials Research Bulletin</i> , 2013 , 48, 1606-1611	5.1	29
152	Li ₃ V ₂ (PO ₄) ₃ /Conducting Polymer as a High Power 4 V-Class Lithium Battery Electrode. <i>Advanced Energy Materials</i> , 2013 , 3, 1004-1007	21.8	68
151	Carbon-Nanotube-Decorated Nano-LiFePO ₄ @C Cathode Material with Superior High-Rate and Low-Temperature Performances for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013 , 3, 1155-1160	21.8	294
150	Preparation and characterization of structure-tailored magnetic fluorescent Fe ₃ O ₄ /P(GMA-EGDMA-VCz) core-shell microspheres. 2013 , 48, 5302-5308		7
149	Influence of electrode design on the electrochemical performance of Li ₃ V ₂ (PO ₄) ₃ /C nanocomposite cathode in lithium ion batteries. 2013 , 2, 304-313		49
148	Long-life and high-rate Li ₃ V ₂ (PO ₄) ₃ /C nanosphere cathode materials with three-dimensional continuous electron pathways. 2013 , 5, 4864-9		77
147	Recent progress in high-voltage lithium ion batteries. <i>Journal of Power Sources</i> , 2013 , 237, 229-242	8.9	598
146	Polyanionic (phosphates, silicates, sulfates) frameworks as electrode materials for rechargeable Li (or Na) batteries. 2013 , 113, 6552-91		820
145	Synthesis of carbon coated Li ₃ V ₂ (PO ₄) ₃ /reduced graphene oxide composite for high-performance lithium ion batteries. <i>Materials Research Bulletin</i> , 2013 , 48, 435-439	5.1	14
144	Effects of Sintering Temperatures on the Solid-Phase Synthesis of Lithium Vanadium Phosphate for Lithium-Ion Cathode Materials. 2013 , 423-426, 541-544		2
143	Influences of Precursor Processing Method on the Electrochemical Properties of Synthesized Lithium Vanadium Phosphate. 2013 , 724-725, 1071-1074		
142	Studies of Composite Cathode Material LiFePO ₄ Li ₃ V ₂ (PO ₄) ₃ and Its Precursor FeVO ₄ ·xH ₂ O. 2013 , 86, 376-381		5

141	Supercritical Fluid Synthesis of LiCoPO ₄ Nanoparticles and Their Application to Lithium Ion Battery. 2014 , 2, 233-247		9
140	Electrochemical Performance and Resistance Analysis of Li ₃ V ₂ (PO ₄) ₃ /C Composite Cathode for Li Ion Battery. 2014 , 1, 281-285		
139	Carbon-coated rhombohedral Li ₃ V ₂ (PO ₄) ₃ as both cathode and anode materials for lithium-ion batteries: electrochemical performance and lithium storage mechanism. 2014 , 2, 20231-20236		41
138	Impacts of synthesis temperature and carbon content on the electrochemical performances of the Li ₃ V ₂ (PO ₄) ₃ /C composite synthesized by a polyol method. 2014 , 148, 569-578		6
137	Lithium Intercalation in Core-Shell Materials—Theoretical Analysis. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A682-A692	3.9	5
136	Improved cycling and high rate performance of core-shell LiFe _{1/3} Mn _{1/3} Co _{1/3} PO ₄ /carbon nanocomposites for lithium-ion batteries: Effect of the carbon source. <i>Electrochimica Acta</i> , 2014 , 143, 407-414	6.7	16
135	Influence of Li ₃ V ₂ (PO ₄) ₃ complexing on the performance of LiMnPO ₄ based materials utilized in lithium ion battery. <i>Ceramics International</i> , 2014 , 40, 7637-7641	5.1	15
134	Improved electrochemical performance of 5 V LiCoPO ₄ cathode materials via yttrium doping. <i>Solid State Ionics</i> , 2014 , 255, 84-88	3.3	32
133	Effect of vanadium doping on electrochemical performance of LiMnPO ₄ for lithium-ion batteries. 2014 , 18, 755-762		13
132	Li ₃ V ₂ (PO ₄) ₃ cathode materials for lithium-ion batteries: A review. <i>Journal of Power Sources</i> , 2014 , 258, 19-38	8.9	241
131	Synthesis of flower-like Li ₃ V ₂ (PO ₄) ₃ /C cathode with mixed morphology for advanced lithium-ion batteries. <i>Ionics</i> , 2014 , 20, 897-900	2.7	9
130	Mesoporous Li ₃ V ₂ (PO ₄) ₃ @CMK-3 nanocomposite cathode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2014 , 253, 294-299	8.9	30
129	Carbon coated Li ₃ V ₂ (PO ₄) ₃ from the single-source precursor, Li ₂ (VO) ₂ (HPO ₄) ₂ (C ₂ O ₄) ₆ ·6H ₂ O as cathode and anode materials for Lithium ion batteries. <i>Electrochimica Acta</i> , 2014 , 128, 184-191	6.7	24
128	Rhombohedral NASICON-structured Li ₂ NaV ₂ (PO ₄) ₃ with single voltage plateau for superior lithium storage. <i>RSC Advances</i> , 2014 , 4, 8627	3.7	23
127	Evaluating the performance of nanostructured materials as lithium-ion battery electrodes. 2014 , 7, 1-62		261
126	Study on structure and electrochemical performance of Tm ³⁺ -doped monoclinic Li ₃ V ₂ (PO ₄) ₃ /C cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014 , 150, 62-67	6.7	13
125	Facile preparation of hierarchical Nb ₂ O ₅ microspheres with photocatalytic activities and electrochemical properties. 2014 , 2, 9236-9243		70
124	Could Li/Ni Disorder be Utilized Positively? Combined Experimental and Computational Investigation on Pillar Effect of Ni at Li Sites on LiCoO ₂ at High Voltages. <i>Electrochimica Acta</i> , 2014 , 146, 784-791	6.7	30

123	Facile synthesis of nitrogen-doped carbon derived from polydopamine-coated Li ₃ V ₂ (PO ₄) ₃ as cathode material for lithium-ion batteries. <i>RSC Advances</i> , 2014 , 4, 38791-38796	3.7	31
122	Conducting polyaniline-wrapped lithium vanadium phosphate nanocomposite as high-rate and cycling stability cathode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014 , 146, 295-300	6.7	30
121	Synthesis and electrochemical properties of Zn-doped, carbon coated lithium vanadium phosphate cathode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2014 , 269, 15-23	8.9	34
120	Comparative investigation of phosphate-based composite cathode materials for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13520-6	9.5	36
119	Stable 4 V-class bicontinuous cathodes by hierarchically porous carbon coating on Li ₃ V ₂ (PO ₄) ₃ nanospheres. 2014 , 6, 12426-33		19
118	Exploring high performance VOPO ₄ for lithium batteries: A comparison between [and] polymorphs. 2014 , 713, 119-124		9
117	High rate capability of Li ₃ V ₂ (PO ₄) ₃ /C composites prepared via a TPP-assisted carbothermal method and its application in Li ₃ V ₂ (PO ₄) ₃ Li ₄ Ti ₅ O ₁₂ . <i>Journal of Alloys and Compounds</i> , 2014 , 588, 25-29	5.7	16
116	Hierarchical Carbon Decorated Li ₃ V ₂ (PO ₄) ₃ as a Bicontinuous Cathode with High-Rate Capability and Broad Temperature Adaptability. <i>Advanced Energy Materials</i> , 2014 , 4, 1400107	21.8	65
115	Effects of Nd-doping on the structure and electrochemical properties of Li ₃ V ₂ (PO ₄) ₃ /C synthesized using a microwave solid-state route. <i>Solid State Ionics</i> , 2014 , 261, 11-16	3.3	25
114	Synthesis and performances of 2LiFePO ₄ Li ₃ V ₂ (PO ₄) ₃ /C cathode materials via spray drying method with double carbon sources. <i>Journal of Power Sources</i> , 2014 , 267, 227-234	8.9	39
113	Graphene-Supported NaTi ₂ (PO ₄) ₃ as a High Rate Anode Material for Aqueous Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A1181-A1187	3.9	88
112	Facile Lithium Ion Transport through Superionic Pathways Formed on the Surface of Li ₃ V ₂ (PO ₄) ₃ /C for High Power Li Ion Battery. 2014 , 26, 3644-3650		58
111	Investigation of (1-x)LiMnPO ₄ xLi ₃ V ₂ (PO ₄) ₃ /C: Phase composition and electrochemical performance. <i>Journal of Power Sources</i> , 2014 , 263, 332-337	8.9	20
110	Preparation of Au-Decorated Ag@C Nanoparticle and Its Biosensing Application. 2014 , 43, 781-783		2
109	Effects of Al ₂ O ₃ and AlF ₃ coating on the electrochemical performance of Li ₃ V ₂ (PO ₄) ₃ /C cathode material in lithium ion batteries. <i>Solid State Ionics</i> , 2015 , 283, 131-136	3.3	8
108	The Influence of Different Carbon Sources on Li ₃ V ₂ (PO ₄) ₃ /C Synthesized by a Hybrid Sol-Gel Method as Cathode for Lithium-Ion Batteries. 2015 , 3, 955-960		3
107	Design and Preparation of a Lithium-rich Layered Oxide Cathode with a Mg-Concentration-Gradient Shell for Improved Rate Capability. 2015 , 2, 1346-1354		15
106	Rational Design and Facial Synthesis of Li ₃ V ₂ (PO ₄) ₃ @C Nanocomposites Using Carbon with Different Dimensions for Ultrahigh-Rate Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12057-66	9.5	44

105	In-situ synthesis of reduced graphene oxide modified lithium vanadium phosphate for high-rate lithium-ion batteries via microwave irradiation. <i>Electrochimica Acta</i> , 2015 , 174, 26-32	6.7	22
104	Three-dimensional porous V ₂ O ₅ hierarchical octahedrons with adjustable pore architectures for long-life lithium batteries. 2015 , 8, 481-490		67
103	Going nano with protic ionic liquids: The synthesis of carbon coated Li ₃ V ₂ (PO ₄) ₃ nanoparticles encapsulated in a carbon matrix for high power lithium-ion batteries. 2015 , 12, 207-214		64
102	Carbon-coated Li ₃ V ₂ (PO ₄) ₃ as insertion type electrode for lithium-ion hybrid electrochemical capacitors: An evaluation of anode and cathodic performance. <i>Journal of Power Sources</i> , 2015 , 281, 310-317	8.9	64
101	Synthesis and electrochemical performance of 0.6Li ₃ V ₂ (PO ₄) ₃ ·0.4LiVO composite cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2015 , 161, 252-260	6.7	12
100	Li ₃ V ₂ (PO ₄) ₃ /(SiO ₂ +C) composite with better stability and electrochemical properties for lithium-ion batteries. <i>Solid State Ionics</i> , 2015 , 272, 121-126	3.3	14
99	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage. 2015 , 213-289		4
98	Self-assembly synthesis and electrochemical performance of Li _{1.5} Mn _{0.75} Ni _{0.15} Co _{0.10} O ₂ +□ microspheres with multilayer shells. 2015 , 3, 3120-3129		33
97	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage:: current cell materials and components. 2015 , 125-211		7
96	Pyro-synthesis of a high rate nano-Li ₃ V ₂ (PO ₄) ₃ /C cathode with mixed morphology for advanced Li-ion batteries. 2014 , 4, 4047		50
95	Synthesis of Li ₃ V ₂ (PO ₄) ₃ /C for use as the cathode material in lithium ion batteries using polyvinylidene fluoride as the source of carbon. 2015 , 39, 2627-2632		14
94	Recent developments in electrode materials for sodium-ion batteries. 2015 , 3, 9353-9378		357
93	Ultrathin YSZ Coating on Pt Cathode for High Thermal Stability and Enhanced Oxygen Reduction Reaction Activity. <i>Advanced Energy Materials</i> , 2015 , 5, 1402251	21.8	75
92	Off-stoichiometric Li _{3-3V₂} (PO ₄) ₃ /C as cathode materials for high-performance lithium-ion batteries. <i>Journal of Power Sources</i> , 2015 , 293, 922-928	8.9	9
91	Preparation and characterization of Li ₃ V ₂ (PO ₄) ₃ grown on carbon nanofiber as cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 176, 1358-1363	6.7	20
90	Synthesis and performance of xLiVPO ₄ F _y Li ₃ V ₂ (PO ₄) ₃ composites as cathode materials for lithium ion batteries. <i>Ceramics International</i> , 2015 , 41, 13891-13895	5.1	5
89	Electrochemical properties of Li _{3-x} Na _x V _{2-x} Ti _x (PO ₄) ₃ /C cathode materials in lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 295, 1-8	8.9	17
88	Synthesis and electrochemical performance of xLiV ₃ O ₈ yLi ₃ V ₂ (PO ₄) ₃ /rGO composite cathode materials for lithium ion batteries. 2015 , 3, 14731-14740		12

87	High-throughput synthesis of core-shell and multi-shelled materials by fluidised bed chemical vapour deposition. Case study: double-shell rutile-titanate particles. 2015 , 3, 17241-17247		3
86	Effects of morphology on the electrochemical performances of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode material for lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 54225-54245	3.7	20
85	Synthesis and performance of carbon-coated $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode materials via an oxalic acid-based sol-gel route using PEG. 2015 , 74, 121-131		6
84	Up-Scaled Microspherical Aggregates of $\text{LiFe}_0.4\text{V}_0.4\text{PO}_4/\text{C}$ Nanocomposites as Cathode Materials for High-Rate Li-Ion Batteries. 2015 , 3, 496-502		5
83	Enhanced electrochemical performance of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ microspheres assembled with nanoparticles embedded in a carbon matrix. <i>RSC Advances</i> , 2015 , 5, 31410-31414	3.7	8
82	Lithium vanadium phosphate as cathode material for lithium ion batteries. <i>Ionics</i> , 2015 , 21, 1201-1239	2.7	17
81	$\text{Li}_3\text{V}_2(\text{PO}_4)_3$ /graphene nanocomposites with superior cycling performance as cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2015 , 182, 1046-1052	6.7	23
80	The electrochemical performance of transition metal and graphene added $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode material for Li-ion Batteries. <i>Materials Letters</i> , 2015 , 160, 194-199	3.3	4
79	RETRACTED: Synthesis and electrochemical characterization of MWCNTs-improved $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ as cathode material for lithium-ion batteries with extremely high capacity. <i>Electrochimica Acta</i> , 2015 , 180, 252-259	6.7	1
78	Improved electrochemical properties of $(1-x)\text{LiFePO}_4-x\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composites prepared by a novel sol-gel method. 2015 , 39, 8971-8977		8
77	Synthesis of Lithium vanadium tetroxide anode material via a fast sol-gel method based on spontaneous chemical reactions. <i>Electrochimica Acta</i> , 2015 , 152, 473-479	6.7	26
76	The effect of titanium in $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ /graphene composites as cathode material for high capacity Li-ion batteries. <i>RSC Advances</i> , 2015 , 5, 4872-4879	3.7	21
75	TiO_2 -B nanorods on reduced graphene oxide as anode materials for Li ion batteries. 2015 , 51, 507-10		57
74	$\text{Li}_3\text{V}_2(\text{PO}_4)_3$ /graphene nanocomposite as a high performance cathode material for lithium ion battery. <i>Ceramics International</i> , 2015 , 41, 389-396	5.1	21
73	Manipulating size of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ with reduced graphene oxide: towards high-performance composite cathode for lithium ion batteries. 2014 , 4, 5768		21
72	High-voltage materials for positive electrodes of lithium ion batteries (review). <i>Russian Journal of Electrochemistry</i> , 2016 , 52, 501-524	1.2	16
71	Fabricating $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ /biocarbon anode using nori for lithium ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 11814-11824	2.1	5
70	Deposition of conductive TiN shells on SiO_2 nanoparticles with a fluidized bed ALD reactor. 2016 , 18, 1		1

- 69 Mitigating voltage and capacity fading of lithium-rich layered cathodes by lanthanum doping. *Journal of Power Sources*, **2016**, 335, 65-75 8.9 67
- 68 Single Source Precursor Route to Carbon Coated $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ for Cathode and Anode Applications in Lithium Ion Batteries. **2016**, 81-97
- 67 Phosphate Based Cathodes and Reduced Graphene Oxide Composite Anodes for Energy Storage Applications. **2016**, 6
- 66 In situ synthesis of biocarbon coated $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode material using lotus leaf as carbon source. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 12610-12617 2.1 6
- 65 Introduction to Li-ion Batteries. **2016**, 1-30 1
- 64 Synthesis and Electrochemical Studies of a Metastable, Layered Phosphate $\text{H}_2\text{LiVOPO}_4$. **2016**, 99-114
- 63 Conducting Graphene Decorated $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ for Lithium-Ion Battery Cathode with Superior Rate Capability and Cycling Stability. **2016**, 34, 795-800 2
- 62 Grain size effects on dynamics of Li-ions in $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ glass-ceramic nanocomposites. *Ionics*, **2016**, 22, 2281-2290 2.7 14
- 61 Electrospinning Fabrication and Enhanced Performance of 3D $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ Fiber Membrane as Self-standing Cathodes for Li-ion Battery. *Electrochimica Acta*, **2016**, 212, 898-904 6.7 17
- 60 Co-modification of nitrogen-doped graphene and carbon on $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ particles with excellent long-term and high-rate performance for lithium storage. *Journal of Power Sources*, **2016**, 326, 313-321 8.9 25
- 59 Effects of Fe and Mn co-doping on electrochemical properties of $\text{Li}_3\text{V}_2\text{O}_{10-x}\text{Fe}_x\text{Mn}_x(\text{PO}_4)_3$ /graphene cathode for lithium secondary battery. **2016**,
- 58 Understanding the electrochemical properties of A_2MSiO_4 (A = Li and Na; M = Fe, Mn, Co and Ni) and the Na doping effect on Li_2MSiO_4 from first-principles calculations. **2016**, 4, 17455-17463 29
- 57 Electrochemical performance of novel $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ glass-ceramic nanocomposites as electrodes for energy storage devices. **2016**, 20, 2663-2671 9
- 56 Sheet-like $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ nanocomposite coated by $\text{SiO}_2 + \text{C}$ with better electrochemical properties for lithium-ion batteries. **2016**, 18, 1 3
- 55 Effect of magnesium doping on properties of lithium-rich layered oxide cathodes based on a one-step co-precipitation strategy. **2016**, 4, 4941-4951 82
- 54 Carbon Coated Metal Nanoparticles for Electrocatalysis. **2016**, 146, 309-318 5
- 53 A promising cathode for Li-ion batteries: $\text{Li}_3\text{V}_2(\text{PO}_4)_3$. **2016**, 4, 15-58 99
- 52 Natural graphite enhanced the electrochemical performance of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode material for lithium ion batteries. **2016**, 20, 311-318 15

51	Investigation of the Na Intercalation Mechanism into Nanosized V ₂ O ₅ /C Composite Cathode Material for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6032-9	9.5	67
50	Application of monoclinic graphene-decorated Li ₃ V ₂ (PO ₄) ₃ /C nanocrystals as an ultra-high-rate cathode for lithium-ion batteries. <i>Ceramics International</i> , 2016 , 42, 7390-7396	5.1	8
49	Recent progress in hybrid cathode materials for lithium ion batteries. 2016 , 40, 2984-2999		20
48	Grain size effects on the transport properties of Li ₃ V ₂ (PO ₄) ₃ glass/ceramic nanocomposites for lithium cathode batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 4074-4083	2.1	11
47	The high electrochemical performance of Li ₃ V ₂ (PO ₄) ₃ supported by graphene and carbon-nanofibers for advanced Li-ion batteries. <i>Materials Research Bulletin</i> , 2016 , 73, 211-218	5.1	12
46	NASICON-Type MgTi(PO) ₃ Negative Electrode Material Exhibits Different Electrochemical Energy Storage Mechanisms in Na-Ion and Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4709-4718	9.5	36
45	B-doped Li ₃ V ₂ (PO ₄) ₃ /C cathode material with high rate capability for lithium-ion batteries. <i>Ceramics International</i> , 2017 , 43, 2573-2578	5.1	8
44	Enhanced low temperature electrochemical properties of Li ₃ V ₂ (PO ₄) ₃ /C modified by a mixed conductive network of Ti ₃ SiC ₂ and C. <i>Ceramics International</i> , 2017 , 43, 2791-2800	5.1	13
43	One step pyro-synthesis process of nanostructured Li ₃ V ₂ (PO ₄) ₃ /C cathode for rechargeable Li-ion batteries. <i>Materials Today Communications</i> , 2017 , 10, 105-111	2.5	11
42	Carbon Nanofibers Heavy Laden with LiV(PO) ₃ Particles Featuring Superb Kinetics for High-Power Lithium Ion Battery. <i>Advanced Science</i> , 2017 , 4, 1700128	13.6	34
41	Froggg-like Li ₃ V ₂ (PO ₄) ₃ /carbon composite with three dimensional porous structure and its improved electrochemical performance in lithium ion batteries. <i>Materials Letters</i> , 2017 , 204, 104-107	3.3	9
40	Electrospun Li ₃ V ₂ (PO ₄) ₃ Nanobelts: Synthesis and Electrochemical Properties as Cathode Materials of Lithium-Ion Batteries. <i>Journal of the Chinese Chemical Society</i> , 2017 , 64, 557-564	1.5	4
39	Facile synthesis of carbon-coated LiVO ₃ with enhanced electrochemical performances as cathode materials for lithium-ion batteries. <i>Ceramics International</i> , 2017 , 43, 2343-2349	5.1	7
38	Encapsulation of Lithium Vanadium Phosphate in Reduced Graphene Oxide for a Lithium-ion Battery Cathode with Stable Elevated Temperature Performance. <i>Electrochimica Acta</i> , 2017 , 253, 208-217	6.7	10
37	Reaping the redox switching capability of vanadium in Li ₃ V ₂ (PO ₄) ₃ /HHC composite to demonstrate the rocking chair electrode performance. <i>Journal of Power Sources</i> , 2017 , 366, 207-217	8.9	5
36	Design Strategies for Promising Organic Positive Electrodes in Lithium-Ion Batteries: Quinones and Carbon Materials. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 12009-12023	3.9	38
35	A review for the synthesis methods of lithium vanadium phosphate cathode materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 18269-18295	2.1	8
34	Multilevel structures of Li ₃ V ₂ (PO ₄) ₃ /phosphorus-doped carbon nanocomposites derived from hybrid V-MOFs for long-life and cheap lithium ion battery cathodes. <i>Journal of Power Sources</i> , 2017 , 366, 9-17	8.9	37

33	Development of a novel carbon-coating strategy for producing core-shell structured carbon coated LiFePO for an improved Li-ion battery performance. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 175-188	3.6	16
32	Advanced Nanocomposite Electrodes for Lithium-Ion Batteries. 2018 , 7-32		1
31	Carbon-coated Li ₃ V ₂ (PO ₄) ₃ derived from metal-organic framework as cathode for lithium-ion batteries with high stability. <i>Electrochimica Acta</i> , 2018 , 271, 608-616	6.7	40
30	Electrochemical performance of Co-doped LiVPO ₄ F/C composite cathode material for lithium ion batteries prepared by modified solid state method. <i>Journal of Alloys and Compounds</i> , 2018 , 730, 261-269	5.7	19
29	Organic-phase synthesis of LiV(PO) ₄ @Carbon nanocrystals and their lithium storage properties.. <i>RSC Advances</i> , 2018 , 8, 19335-19340	3.7	4
28	Nanostructured Li V (PO) Cathodes. <i>Small</i> , 2018 , 14, e1800567	11	65
27	The Application of Graphite in the Preparation of Cathode Material Li ₃ V ₂ (PO ₄) ₃ /C. <i>ChemistrySelect</i> , 2018 , 3, 6328-6333	1.8	1
26	Improved electrochemical properties of the Li ₃ V ₂ (PO ₄) ₃ cathode material synthesized from a V(III) precursor. <i>Journal of Alloys and Compounds</i> , 2019 , 802, 583-590	5.7	7
25	Going Nano with Confined Effects to Construct Pomegranate-like Cathode for High-Energy and High-Power Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28934-28942	9.5	2
24	Positive effect of surface modification with titanium carbosilicide on performance of lithium-transition metal phosphate cathode materials. <i>Monatshefte Für Chemie</i> , 2019 , 150, 489-498	1.4	21
23	Modulation, Characterization, and Engineering of Advanced Materials for Electrochemical Energy Storage Applications: MoO ₃ /V ₂ O ₅ Bilayer Model System. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 16577-16587	3.8	2
22	Sol-gel synthesis and electrical characterization of doped-carbon decorated mixed conductor ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019 , 241, 66-74	3.1	1
21	Titanium Glycolate@Polythiophene Derivative: Waxberry-Like TiO ₂ @Carbon Composites with High-Pseudo-Capacitive Performance for Sodium Storage. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A1096-A1102	3.9	6
20	General methods for large-scale production of nanostructured V ₂ O ₅ with controlled morphologies. <i>Materials Research Bulletin</i> , 2019 , 111, 284-288	5.1	11
19	High-performance multiphase Li _{2.5} Na _{0.5} V ₂ (PO ₄) ₃ nanocomposite cathode enabled by hierarchical porous structure. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 784-794	5.7	12
18	Improving capacity and rate capability of Li-ion cathode materials through ball milling and carbon coating [Best practice for research purposes. <i>Solid State Ionics</i> , 2020 , 344, 115152	3.3	5
17	Rheological phase reaction method synthesis and characterizations of xLiMn _{0.5} Fe _{0.5} PO ₄ /Li ₃ V ₂ (PO ₄) ₃ /C composites as cathode materials for lithium ion batteries. <i>Journal of Materials Research</i> , 2020 , 35, 2-11	2.5	0
16	Crystallization of TiO-MoS Hybrid Material under Hydrothermal Treatment and Its Electrochemical Performance. <i>Materials</i> , 2020 , 13,	3.5	6

15	Fast Charging Materials for High Power Applications. <i>Advanced Energy Materials</i> , 2020 , 10, 2001128	21.8	48
14	Synthesis and Performance of Cr Doped Li ₃ V ₂ (PO ₄) ₃ /C Cathode Materials for Li Ion Batteries. <i>Integrated Ferroelectrics</i> , 2020 , 206, 56-65	0.8	
13	Nitrogen-doped carbon-coated Li ₃ V ₂ (PO ₄) ₃ as cathode materials for high-performance lithium storage. <i>Ionics</i> , 2021 , 27, 507-515	2.7	7
12	Effect of chelating agents on the electrochemical performance of Li ₃ V ₂ (PO ₄) ₃ /C composite. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021 , 29, 724-731	1.8	1
11	Phase relations and electrochemical research for vanadium-based compounds in Li ₂ O-V ₂ O ₃ -P ₂ O ₅ system. <i>Journal of Solid State Chemistry</i> , 2021 , 295, 121928	3.3	0
10	Magnetic Properties of Li ₃ V ₂ (PO ₄) ₃ /Li ₃ PO ₄ Composite. <i>Magnetochemistry</i> , 2021 , 7, 64	3.1	0
9	Electroactive Composites Based on Lithium Intercalation Compounds and Highly Conductive Materials: Methods of Synthesis and Electrochemical Characteristics. <i>Russian Journal of Electrochemistry</i> , 2021 , 57, 706-720	1.2	0
8	Effect of carbon coating on the electrochemical properties of La _{0.8} Ni-based hydrogen storage alloys. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 28191-28199	6.7	0
7	Research Progress in Li ₃ V ₂ (PO ₄) ₃ as Polyanion-type Cathode Materials for Lithium-ion Batteries. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2012 , 27, 561-567	1	3
6	Electrochemical Characteristics of Li ₃ V ₂ (PO ₄) ₃ Negative Electrode as a Function of Crystallinity. <i>Journal of the Korean Electrochemical Society</i> , 2012 , 15, 27-34		1
5	Fabrication and Characterization of Spherical Carbon-Coated Li ₃ V ₂ (PO ₄) ₃ Cathode Material by Hydrothermal Method with Reducing Agent. <i>Korean Journal of Materials Research</i> , 2019 , 29, 519-524	0.2	
4	Environmental benefits of thermochromic VO ₂ windows: Life Cycle Assessment from laboratory scale to industrial scale. <i>Advanced Engineering Materials</i> ,	3.5	
3	Annealing Treatment: A Facile Approach to Enhance Transfer Kinetics for LiFePO ₄ /C Cathode.		
2	Li ₃ V ₂ (PO ₄) ₃ /Li ₃ PO ₄ Cathode Materials for Li-Ion Batteries: Synthesis and Characterization. 2022 , 8, 105		0
1	Oxygen-Loss-Induced Structural Degradation in LiVOPO ₄ .		0