Laurence Croguennec

List of Publications by Year
in descending order

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177
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12,445
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28242

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25770

108
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194
all docs

194
docs citations

194
times ranked

10050
citing authors

#	ARTICLE	IF	CITATIONS
1	Selfâ€Healable and Recyclable Sulfur Rich Poly(vinyl chloride) by Sâ€“S Dynamic Bonding. Macromolecular Chemistry and Physics, 2023, 224, .	1.1	7
2	Effect of the Particles Morphology on the Electrochemical Performance of Na₃V₂(PO₄)₂F_{3â€y}O_y. Batteries and Supercaps, 2022, 5, .	2.4	13
3	Impact of the F^{â€“} for O^{2â€“} Substitution in Na₃V₂(PO₄)₂F_{3â€“<i>y</i>}O_{<i>y</i>} on Their Transport Properties and Electrochemical Performance. ACS Applied Energy Materials, 2022, 5, 1065-1075.	2.5	13
4	Aqueous Multivalent Charge Storage Mechanism in Aromatic Diamine-Based Organic Electrodes. ACS Applied Materials & Interfaces, 2022, 14, 8508-8520.	4.0	12
5	First 18650-format Na-ion cells aging investigation: A degradation mechanism study. Journal of Power Sources, 2022, 529, 231253.	4.0	9
6	Crystal Structure of Na₂V₂(PO₄)₃, an Intriguing Phase Spotted in the Na₃V₂(PO₄)₃â€“Na₁V₂(PO₄)<sub>3</sub System. Chemistry of Materials, 2022, 34, 451-462.	3.2	31
7	An Asymmetric Sodium Extraction/Insertion Mechanism for the Fe/V-Mixed NASICON Na₄FeV(PO₄)₃. Chemistry of Materials, 2022, 34, 4142-4152.	3.2	30
8	Controlling the Cathodic Potential of KVPO₄F through Oxygen Substitution. Chemistry of Materials, 2022, 34, 4523-4535.	3.2	18
9	Effect of Particle Size on LiNi_{0.6}Mn_{0.2}Co_{0.2}O₂ Layered Oxide Performance in Li-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 5617-5632.	2.5	12
10	Particle nanosizing and coating with an ionic liquid: two routes to improve the transport properties of Na₃V₂(PO₄)₂FO₂. Nanoscale, 2022, 14, 8663-8676.	2.8	7
11	Unraveling the Morphological Dependency of the LiNi_{0.6}Mn_{0.2}Co_{0.2}O₂ Layered Oxide Reactivity in Li-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 8669-8685.	2.5	0
12	Feasibility and Limitations of High-Voltage Lithium-Iron-Manganese Spinels. Journal of the Electrochemical Society, 2022, 169, 070518.	1.3	1
13	Challenges of today for Na-based batteries of the future: From materials to cell metrics. Journal of Power Sources, 2021, 482, 228872.	4.0	169
14	A chemical map of NaSICON electrode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 281-292.	5.2	91
15	Surface reactivity of Li2MnO3: Structural and morphological impact. Applied Surface Science, 2021, 542, 148514.	3.1	14
16	Investigation of PZT-5H and PZT-8 type piezoelectric effect on cycling stability on Si- MWCNT containing anode materials. Turkish Journal of Chemistry, 2021, 45, 1551-1558.	0.5	2
17	Poly(<i>ortho</i>-phenylenediamine) overlaid fibrous carbon networks exhibiting a synergistic effect for enhanced performance in hybrid micro energy storage devices. Journal of Materials Chemistry A, 2021, 9, 10487-10496.	5.2	5
18	A gallic acid based metal organic framework derived NiS/C anode for sodium ion batteries. Sustainable Energy and Fuels, 2021, 5, 3363-3372.	2.5	10

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19	Towards Reversible High-Voltage Multi-Electron Reactions in Alkali-Ion Batteries Using Vanadium Phosphate Positive Electrode Materials. Molecules, 2021, 26, 1428.	1.7	25
20	Crystal Structures and Local Environments of NASICON-Type Na₃FeV(PO₄)₃ and Na₄FeV(PO₄)₃ Positive Electrode Materials for Na-Ion Batteries. Chemistry of Materials, 2021, 33, 5355-5367.	3.2	37
21	Multimodal study of dis-sodiation mechanisms within individual Na₃V₂(PO₄)₂F₃ cathode crystals using 4D-STEM-ASTAR and STXM-XANES. Microscopy and Microanalysis, 2021, 27, 3446-3447.	0.2	3
22	Halogenâ€Free Polyphosphazeneâ€Based Flame Retardant Cathode Materials for Liâ€"S Batteries. Energy Technology, 2021, 9, 2100563.	1.8	9
23	Impact of Synthesis Conditions in Na-Rich Prussian Blue Analogues. ACS Applied Materials & Interfaces, 2021, 13, 42682-42692.	4.0	21
24	(Invited) Towards Reversible High-Voltage Multi-Electron Reactions in Alkali-Ion Batteries Using Vanadium Phosphate Positive Electrode Materials. ECS Meeting Abstracts, 2021, MA2021-02, 215-215.	0.0	0
25	A Chemical Map of Nasicon Electrode Materials for Sodium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 214-214.	0.0	0
26	(Invited) Crystal Chemistry of NaxMM'(PO4)3 Nasicon Electrodes (M,M' = V, Fe, Mn, Ti, Cr). ECS Meeting Abstracts, 2021, MA2021-02, 211-211.	0.0	0
27	Phase stability and sodium-vacancy orderings in a NaSICON electrode. Journal of Materials Chemistry A, 2021, 10, 209-217.	5.2	24
28	Utilization of The Indonesianâ€™s Spent Tea Leaves as Promising Porous Hard Carbon Precursors for Anode Materials in Sodium Ion Batteries. Waste and Biomass Valorization, 2020, 11, 3121-3131.	1.8	16
29	Preparation of salacca peel-based porous carbons by K2CO3 activation method as cathode materials for LiS battery. Carbon Letters, 2020, 30, 207-213.	3.3	6
30	Enumeration as a Tool for Structure Solution: A Materials Genomic Approach to Solving the Cation-Ordered Structure of Na₃V₂(PO₄)₂F₃. Chemistry of Materials, 2020, 32, 8981-8992.	3.2	14
31	A Combined Operando Synchrotron X-ray Absorption Spectroscopy and First-Principles Density Functional Theory Study to Unravel the Vanadium Redox Paradox in the Na₃V₂(PO₄)₂F₃â€"Na₃V₂(PO<sub>4</sub Compositions. Journal of Physical Chemistry C, 2020, 124, 23511-23522.	1.5	19
32	Ionothermal Synthesis of Polyanionic Electrode Material Na₃V₂(PO₄)₂FO₂ through a Topotactic Reaction. Inorganic Chemistry, 2020, 59, 17282-17290.	1.9	11
33	Mechanochemical synthesis of <scp>SnS anodes</scp> for sodium ion batteries. International Journal of Energy Research, 2020, 44, 10809-10820.	2.2	25
34	TiO2 embedded hydrothermally synthesized carbon composite as interlayer for lithium-sulfur batteries. Journal of Solid State Electrochemistry, 2020, 24, 2469-2478.	1.2	7
35	Local atomic and electronic structure in the LiVPO₄(F,O) tavoriteâ€type materials from solidâ€state NMR combined with DFT calculations. Magnetic Resonance in Chemistry, 2020, 58, 1109-1117.	1.1	4
36	Electrochemical Redox Processes Involved in Carbon-Coated KVPO₄F for High Voltage K-Ion Batteries Revealed by XPS Analysis. Journal of the Electrochemical Society, 2020, 167, 130527.	1.3	15

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37	Redox Paradox of Vanadium in Tavorite LiVPO4F1â€“yOy. Chemistry of Materials, 2019, 31, 7367-7376.	3.2	12
38	Rechargeable aqueous electrolyte batteries: from univalent to multivalent cation chemistry. Journal of Materials Chemistry A, 2019, 7, 20519-20539.	5.2	155
39	A novel polyphosphazene with nitroxide radical side groups as cathodeâ€active material in Liâ€ion batteries. Polymers for Advanced Technologies, 2019, 30, 2977-2982.	1.6	13
40	Aluminum substitution for vanadium in the Na₃V₂(PO₄)₂F₃ and Na₃V₂(PO₄)₂FO₂ type materials. Chemical Communications, 2019, 55, 11719-11722.	2.2	45
41	Monitoring the Crystal Structure and the Electrochemical Properties of Na₃(VO)₂(PO₄)₂F through Fe³⁺ Substitution. ACS Applied Materials & Interfaces, 2019, 11, 38808-38818.	4.0	28
42	Stability in water and electrochemical properties of the Na3V2(PO4)2F3 â€“ Na3(VO)2(PO4)2F solid solution. Energy Storage Materials, 2019, 20, 324-334.	9.5	45
43	Hard carbons derived from waste tea bag powder as anodes for sodium ion battery. Materials Technology, 2019, 34, 515-524.	1.5	30
44	The adsorption effect of freestanding SiO_x-decorated stabilized polyacrylonitrile interlayers in lithiumâ€“sulfur batteries. Dalton Transactions, 2019, 48, 4353-4361.	1.6	6
45	Density Functional Theory-Assisted ³¹P and ²³Na Magic-Angle Spinning Nuclear Magnetic Resonance Study of the Na₃V₂(PO₄)₂F₃â€“Na₃V₂(PO<sub>4</sub Solid Solution: Unraveling Its Local and Electronic Structures. Chemistry of Materials, 2019, 31, 9759-9768.	3.2	34
46	High Rate Performance for Carbonâ€Coated Na₃V₂(PO₄)₂F₃ in Naâ€Ion Batteries. Small Methods, 2019, 3, 1800215.	4.6	92
47	In-situ tracking of NaFePO4 formation in aqueous electrolytes and its electrochemical performances in Na-ion/polysulfide batteries. Journal of Power Sources, 2019, 412, 55-62.	4.0	30
48	The Stability and the Electrochemical Properties of Na3V3+ 2-Y V4+ y (PO4)2F3-Y O y (0 â‰ y â‰ 2). ECS Meeting Abstracts, 2019, , .	0.0	0
49	23 Na and 31 P Solid-State NMR: A Key Tool to Study Local Environments in Na3V2(PO4)2F3-Y O y (0 â‰ y â‰) Tj ETQq1 1 0.78431	0.0	0
50	The Challenge of New Compositions for Layered Oxides Rich in Lithium and in Manganese As Positive Electrode Materials for Lithium-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
51	(Invited) Anionic and Cationic Substitution to Control the Properties of Vanadium Fluorophosphates for Li and Na-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
52	(Invited) Sodium Vanadium Fluorophosphates for Na-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
53	Ag₃V₂(PO₄)₂F₃, a new compound obtained by Ag⁺/Na⁺ ion exchange into the Na₃V₂(PO₄)₂F₃ framework. Journal of Materials Chemistry A, 2018, 6, 10340-10347.	5.2	12
54	Synthesis of Li and Mn-Rich Layered Oxides as Concentration-Gradients for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A425-A433.	1.3	11

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55	Temperature Dependence of Structural and Transport Properties for Na₃V₂(PO₄)₂F₃ and Na₃V₂(PO₄)₂F_{2.5}O_{0.5}. Chemistry of Materials, 2018, 30, 358-365.	3.2	37
56	In-situ wrapping of tin oxide nanoparticles by bacterial cellulose derived carbon nanofibers and its application as freestanding interlayer in lithium sulfide based lithium-sulfur batteries. Journal of Colloid and Interface Science, 2018, 530, 137-145.	5.0	33
57	LiVPO₄F_{1â€“<i>y</i>}O_{<i>y</i>} Tavorite-Type Compositions: Influence of the Concentration of Vanadyl-Type Defects on the Structure and Electrochemical Performance. Chemistry of Materials, 2018, 30, 5682-5693.	3.2	21
58	Li-Rich Layered Oxides: Still a Challenge, but a Very Promising Positive Electrode Material for Li-Ion Batteries. Series on Chemistry, Energy and the Environment, 2018, , 57-104.	0.3	1
59	Prospects for Li-ion Batteries and Emerging Energy Electrochemical Systems. Series on Chemistry, Energy and the Environment, 2018, , .	0.3	1
60	Understanding Local Defects in Li-Ion Battery Electrodes through Combined DFT/NMR Studies: Application to LiVPO₄F. Journal of Physical Chemistry C, 2017, 121, 3219-3227.	1.5	37
61	V^{IV} Disproportionation Upon Sodium Extraction From Na₃V₂(PO₄)₂F₃ Observed by Operando X-ray Absorption Spectroscopy and Solid-State NMR. Journal of Physical Chemistry C, 2017, 121, 4103-4111.	1.5	61
62	Design, Synthesis, and Characterization of Polyphosphazene Bearing Stable Nitroxide Radicals as Cathode-Active Materials in Li-Ion Batteries. Macromolecular Chemistry and Physics, 2017, 218, 1700051.	1.1	15
63	Crystal Structure and Lithium Diffusion Pathways of a Potential Positive Electrode Material for Lithium-Ion Batteries: Li2VIII(H0.5PO4)2. Inorganic Chemistry, 2017, 56, 6776-6779.	1.9	5
64	Lithiumâ€“Sulfur Battery Electrolytes. , 2017, , 149-194.		0
65	The Use of Lithium (Poly)sulfide Species in Liâ€“S Batteries. , 2017, , 105-148.		0
66	Introduction to Rechargeable Lithiumâ€“Sulfur Batteries. , 2017, , 1-30.		2
67	Surface Reactivity of Li₂MnO₃: First-Principles and Experimental Study. ACS Applied Materials & Interfaces, 2017, 9, 44222-44230.	4.0	20
68	Vanadyl-type defects in Tavorite-like NaVPO₄F: from the average long range structure to local environments. Journal of Materials Chemistry A, 2017, 5, 25044-25055.	5.2	32
69	A New Sodiumâ€Based Aqueous Rechargeable Battery System: The Special Case of Na_{0.44}MnO₂/Dissolved Sodium Polysulfide. Energy Technology, 2017, 5, 2182-2188.	1.8	15
70	Morphology and Surface Reactivity Relationship in the Li_{1+<i>x</i>}Mn_{2â€“<i>x</i>}O₄ Spinel with <i>x</i> = 0.05 and 0.10: A Combined First-Principle and Experimental Study. ACS Applied Materials & Interfaces, 2017, 9, 44922-44930.	4.0	21
71	(Invited) In the Quest of New Materials for High Energy Density Lithium-Ion Batteries. ECS Meeting Abstracts, 2017, , .	0.0	1
72	Strong Impact of the Oxygen Content in Na₃V₂(PO₄)₂F_{3â€“<i>y</i>}O_{<i>y</i>} (0 â‰ <i>y</i> â‰ 0.5) on Its Structural and Electrochemical Properties. Chemistry of Materials, 2016, 28, 7683-7692.	3.2	126

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73	Oxidation under Air of Tavorite LiVPO₄F: Influence of Vanadyl-Type Defects on Its Electrochemical Properties. Journal of Physical Chemistry C, 2016, 120, 26187-26198.	1.5	23
74	Pyrolyzed bacterial cellulose-supported SnO2 nanocomposites as high-capacity anode materials for sodium-ion batteries. Cellulose, 2016, 23, 2597-2607.	2.4	19
75	Structural and electrochemical studies of a new Tavorite composition: LiVPO₄OH. Journal of Materials Chemistry A, 2016, 4, 11030-11045.	5.2	19
76	Phosphate structure and lithium environments in lithium phosphorus oxynitride amorphous thin films. Ionics, 2016, 22, 471-481.	1.2	27
77	Recent Achievements on Inorganic Electrode Materials for Lithium-Ion Batteries. Journal of the American Chemical Society, 2015, 137, 3140-3156.	6.6	461
78	Targeting the role of lithium sulphide formation for the rapid capacity fading in lithium-sulphur batteries. Journal of Power Sources, 2015, 282, 437-443.	4.0	35
79	Revealing Defects in Crystalline Lithium-Ion Battery Electrodes by Solid-State NMR: Applications to LiVPO₄F. Chemistry of Materials, 2015, 27, 5212-5221.	3.2	47
80	Comprehensive Investigation of the Na₃V₂(PO₄)₂F₃â€“NaV₂(PO₄)<sub>2</sub System by Operando High Resolution Synchrotron X-ray Diffraction. Chemistry of Materials, 2015, 27, 3009-3020.	3.2	217
81	Spinel materials for Li-ion batteries: new insights obtained by<i>operando</i>neutron and synchrotron X-ray diffraction. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 688-701.	0.5	41
82	Use of ion-selective polymer membranes for an aqueous electrolyte rechargeable Li-ionâ€“polysulphide battery. Journal of Materials Chemistry A, 2015, 3, 2869-2875.	5.2	21
83	Insight into the Atomic Structure of Cycled Lithium-Rich Layered Oxide Li_{1.20}Mn_{0.54}Co_{0.13}Ni_{0.13}O₂ Using HAADF STEM and Electron Nanodiffraction. Journal of Physical Chemistry C, 2015, 119, 75-83.	1.5	117
84	An aqueous electrolyte rechargeable Li-ion/polysulfide battery. Journal of Materials Chemistry A, 2014, 2, 9025-9029.	5.2	40
85	Multiple phases in the Îµ-VPO₄Oâ€“LiVPO₄Oâ€“Li₂VPO₄O system: a combined solid state electrochemistry and diffraction structural study. Journal of Materials Chemistry A, 2014, 2, 10182-10192.	5.2	79
86	Operando X-ray Absorption Study of the Redox Processes Involved upon Cycling of the Li-Rich Layered Oxide Li_{1.20}Mn_{0.54}Co_{0.13}Ni_{0.13}O₂ in Li Ion Batteries. Journal of Physical Chemistry C, 2014, 118, 5700-5709.	1.5	204
87	Li-Rich Li_{1+<i>x</i>}Mn_{2â€“<i>x</i>}O₄ Spinel Electrode Materials: An <i>Operando</i> Neutron Diffraction Study during Li⁺ Extraction/Insertion. Journal of Physical Chemistry C, 2014, 118, 25947-25955.	1.5	63
88	Na₃V₂(PO₄)₂F₃ Revisited: A High-Resolution Diffraction Study. Chemistry of Materials, 2014, 26, 4238-4247.	3.2	193
89	Different oxygen redox participation for bulk and surface: A possible global explanation for the cycling mechanism of Li1.20Mn0.54Co0.13Ni0.13O2. Journal of Power Sources, 2013, 236, 250-258.	4.0	280
90	A New Null Matrix Electrochemical Cell for Rietveld Refinements of In-Situ or Operando Neutron Powder Diffraction Data. Journal of the Electrochemical Society, 2013, 160, A2176-A2183.	1.3	53

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91	Towards high energy density sodium ion batteries through electrolyte optimization. Energy and Environmental Science, 2013, 6, 2361.	15.6	410
92	Reversible Oxygen Participation to the Redox Processes Revealed for Li_{1.20}Mn_{0.54}Co_{0.13}Ni_{0.13}O₂. Journal of the Electrochemical Society, 2013, 160, A786-A792.	1.3	313
93	Lithium secondary batteries working at very high temperature: Capacity fade and understanding of aging mechanisms. Journal of Power Sources, 2013, 236, 265-275.	4.0	134
94	Effect of Temperature on Structure and Electronic Properties of Nanometric Spinel-Type Cobalt Oxides. Journal of Physical Chemistry C, 2013, 117, 9065-9075.	1.5	14
95	Polyanionic (Phosphates, Silicates, Sulfates) Frameworks as Electrode Materials for Rechargeable Li (or Na) Batteries. Chemical Reviews, 2013, 113, 6552-6591.	23.0	968
96	Thermal Behavior of the Layered Oxide Li2/3Co2/3Mn1/3O2 Obtained by Ion Exchange from the P2-Type Na2/3Co2/3Mn1/3O2 Phase. Journal of Physical Chemistry C, 2013, 117, 3264-3271.	1.5	13
97	Lithium Insertion or Extraction from/into Tavorite-Type LiVPO₄F: An In Situ X-ray Diffraction Study. Journal of the Electrochemical Society, 2012, 159, A1171-A1175.	1.3	73
98	Iron(III) Phosphates Obtained by Thermal Treatment of the Tavorite-Type FePO₄Â·H₂O Material: Structures and Electrochemical Properties in Lithium Batteries. Inorganic Chemistry, 2012, 51, 3146-3155.	1.9	15
99	Li_{1.20}Mn_{0.54}Co_{0.13}Ni_{0.13}O₂ with Different Particle Sizes as Attractive Positive Electrode Materials for Lithium-Ion Batteries: Insights into Their Structure. Journal of Physical Chemistry C, 2012, 116, 13497-13506.	1.5	162
100	Thermal stability of Li₂MnO₃: from localized defects to the spinel phase. Dalton Transactions, 2012, 41, 1574-1581.	1.6	28
101	Synthesis and Crystallographic Study of Homeotypic LiVPO₄F and LiVPO₄O. Chemistry of Materials, 2012, 24, 1223-1234.	3.2	141
102	NMR study of the LiMnPO4Â·OH and MPO4Â·H2O (M=Mn, V) homeotypic phases and DFT calculations. Solid State Nuclear Magnetic Resonance, 2012, 42, 42-50.	1.5	6
103	Cathode Composites for Liâ€“S Batteries via the Use of Oxygenated Porous Architectures. Journal of the American Chemical Society, 2011, 133, 16154-16160.	6.6	568
104	Multinuclear NMR and DFT Calculations on the LiFePO₄Â·OH and FePO₄Â·H₂O Homeotypic Phases. Journal of Physical Chemistry C, 2011, 115, 16234-16241.	1.5	28
105	Multinuclear NMR Study of the LiFePO4.OH and FePO4.H2O Homeotypic Phases. ECS Meeting Abstracts, 2011, , .	0.0	0
106	Li(Ni0.40Mn0.40Co0.15Al0.05)O2: A promising positive electrode material for high-power and safe lithium-ion batteries. Journal of Power Sources, 2011, 196, 8625-8631.	4.0	14
107	LiFePO₄ Mesocrystals for Lithiumâ€Ion Batteries. Small, 2011, 7, 1127-1135.	5.2	83
108	Effect of Aluminum Substitution on the Structure, Electrochemical Performance and Thermal Stability of Li1+x(Ni0.40Mn0.40Co0.20âˆ’zAlz)1âˆ’xO2. Journal of the Electrochemical Society, 2011, 158, A664.	1.3	74

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109	The structure of tavorite LiFePO4(OH) from diffraction and GGA + U studies and its preliminary electrochemical characterization. Dalton Transactions, 2010, 39, 5108.	1.6	66
110	Structural and Electrochemical Study of a New Crystalline Hydrated Iron(III) Phosphate FePO4Â·H2O Obtained from LiFePO4(OH) by Ion Exchange. Chemistry of Materials, 2010, 22, 1854-1861.	3.2	63
111	Structure of Li2MnO3 with different degrees of defects. Solid State Ionics, 2010, 180, 1652-1659.	1.3	171
112	One-step precipitation of nanometric LiMO2 powders (M=Co, Fe) in alcoholic media. Solid State Ionics, 2010, 181, 623-630.	1.3	6
113	Lithium deintercalation in LiFePO4 nanoparticles via a domino-cascademodel. , 2010, , 180-186.		5
114	A Layered Iron(III) Phosphate Phase, Na₃Fe₃(PO₄)₄: Synthesis, Structure, and Electrochemical Properties as Positive Electrode in Sodium Batteries. Journal of Physical Chemistry C, 2010, 114, 10034-10044.	1.5	55
115	NaMnFe₂(PO₄)₃ Alluaudite Phase: Synthesis, Structure, and Electrochemical Properties As Positive Electrode in Lithium and Sodium Batteries. Chemistry of Materials, 2010, 22, 5554-5562.	3.2	140
116	Structural Study of the Li0.5Na0.5MnFe2(PO4)3and Li0.75Na0.25MnFe2(PO4)3Alluaudite Phases and Their Electrochemical Properties As Positive Electrodes in Lithium Batteries. Inorganic Chemistry, 2010, 49, 10378-10389.	1.9	42
117	Synthesis of â€œLi[sub 1.1](Ni[sub 0.425]Mn[sub 0.425]Co[sub 0.15])[sub 0.9]O[sub 1.8]F[sub 0.2]â€•Materials by Different Routes: Is There Fluorine Substitution for Oxygen?. Journal of the Electrochemical Society, 2009, 156, A349.	1.3	51
118	Segregation Tendency in Layered Aluminum-Substituted Lithium Nickel Oxides. Chemistry of Materials, 2009, 21, 1051-1059.	3.2	47
119	Reinvestigation of Li₂MnO₃ Structure: Electron Diffraction and High Resolution TEM. Chemistry of Materials, 2009, 21, 4216-4222.	3.2	202
120	Electrochemical performances in temperature for a C-containing LiFePO4 composite synthesized at high temperature. Journal of Power Sources, 2008, 183, 411-417.	4.0	42
121	C-containing LiFePO4 materials â€" Part I: Mechano-chemical synthesis and structural characterization. Solid State Ionics, 2008, 179, 2020-2026.	1.3	58
122	NMR evidence of LiF coating rather than fluorine substitution in Li(Ni0.425Mn0.425Co0.15)O2. Journal of Solid State Chemistry, 2008, 181, 3303-3307.	1.4	43
123	C-containing LiFePO4 materials â€" Part II: Electrochemical characterization. Solid State Ionics, 2008, 179, 2383-2389.	1.3	20
124	Lithium deintercalation in LiFePO4 nanoparticles via a domino-cascade model. Nature Materials, 2008, 7, 665-671.	13.3	811
125	X-Ray Photoelectron Spectroscopy Investigations of Carbon-Coated Li_{<i>x</i>}FePO₄ Materials. Chemistry of Materials, 2008, 20, 7164-7170.	3.2	187
126	Mechanisms Associated with the â€œPlateauâ€•Observed at High Voltage for the Overlithiated Li_{1.12}(Ni_{0.425}Mn_{0.425}Co_{0.15})_{0.88}O₂ System. Chemistry of Materials, 2008, 20, 4815-4825.	3.2	267

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127	Raman and FTIR Spectroscopy Investigations of Carbon-Coated Li[sub x]FePO[sub 4] Materials. Journal of the Electrochemical Society, 2008, 155, A879.	1.3	48
128	Electron Diffraction Study of the Layered Li[sub y](Ni[sub 0.425]Mn[sub 0.425]Co[sub 0.15])[sub 0.88]O[sub 2] Materials Reintercalated after Two Different States of Charge. Electrochemical and Solid-State Letters, 2007, 10, A194.	2.2	12
129	Cation ordering in the layered Li1+x(Ni0.425Mn0.425Co0.15)1â^’xO2 materials (x=0 and 0.12). Journal of Power Sources, 2007, 172, 893-900.	4.0	58
130	DFT Modeling of NMR Contact Shift Mechanism in the Ideal LiNi₂O₄ Spinel and Application to Thermally Treated Layered Li_{0.5}NiO₂. Chemistry of Materials, 2007, 19, 4166-4173.	3.2	17
131	New Spinel Cobalt Oxides, Potential Conductive Additives for the Positive Electrode of Niâ^’MH Batteries. Chemistry of Materials, 2006, 18, 5840-5851.	3.2	40
132	Coupled Ion/Electron Hopping in LixNiO2:Â A7Li NMR Study. Inorganic Chemistry, 2006, 45, 1184-1191.	1.9	23
133	Layered Li[sub 1+x](Ni[sub 0.425]Mn[sub 0.425]Co[sub 0.15])[sub 1â^’x]O[sub 2] Positive Electrode Materials for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2006, 153, A261.	1.3	75
134	6/7Li NMR study of the Li1-zNi1+zO2 phases. Magnetic Resonance in Chemistry, 2005, 43, 849-857.	1.1	30
135	Influence of the synthesis route on the electrochemical properties of LiNi0.425Mn0.425Co0.15O2. Solid State Ionics, 2005, 176, 1539-1547.	1.3	81
136	A Unique Structure of Ni(III) in LiNi[sub 0.3]Co[sub 0.7]O[sub 2] Without Jahn-Teller Distortion. Electrochemical and Solid-State Letters, 2005, 8, A544.	2.2	9
137	Local structure ofLiNiO2studied by neutron diffraction. Physical Review B, 2005, 71, .	1.1	78
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140	Thermal Stability of Lithium Nickel Oxide Derivatives. Part 2. LixNi0.70Co0.15Al0.15O2 and LixNi0.90Mn0.10O2 (x = 0.50 and 0.30). Comparison with LixNi1.02O2 and LixNi0.89Al0.16O2. ChemInform, 2004, 35, no.	0.1	0
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150	Thermal Stability of Lithium Nickel Oxide Derivatives. Part I: LixNi1.02O2and LixNi0.89Al0.16O2(x= 0.50) Tj ETQq0 0 0 rgBT /Overlock 10	3.2	217
151	Thermal Stability of Lithium Nickel Oxide Derivatives. Part II:Â LixNi0.70Co0.15Al0.15O2and LixNi0.90Mn0.10O2(x= 0.50 and 0.30). Comparison with LixNi1.02O2and LixNi0.89Al0.16O2. Chemistry of Materials, 2003, 15, 4484-4493.	3.2	145
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