Christian Masquelier

List of Publications by Year
in descending order

154 papers	17,509 citations	17440 63 h-index	13379 130 g-index
169 all docs	169 docs citations	169 times ranked	10905 citing authors

#	Article	IF	Citations
1	Structural details in Li3PS4: Variety in thiophosphate building blocks and correlation to ion transport. Energy Storage Materials, 2022, 44, 168-179.	18.0	16
2	Two-Dimensional Substitution Series Na₃P_{1â€“<i>x</i>}Sb_{<i>x</i>}S_{4â€“<i>y</i>}Se_{<i>y</i>}: Beyond Static Description of Structural Bottlenecks for Na⁺ Transport. Chemistry of Materials, 2022, 34, 2410-2421.	6.7	15
3	Crystal Structure of Na₂V₂(PO₄)₃, an Intriguing Phase Spotted in the Na₃V₂(PO₄)₃â€“Na₁V₂(PO₄)<sub>3</su System. Chemistry of Materials, 2022, 34, 451-462.	6.7	31
4	An Asymmetric Sodium Extraction/Insertion Mechanism for the Fe/V-Mixed NASICON Na₄FeV(PO₄)₃. Chemistry of Materials, 2022, 34, 4142-4152.	6.7	30
5	Feasibility and Limitations of High-Voltage Lithium-Iron-Manganese Spinels. Journal of the Electrochemical Society, 2022, 169, 070518.	2.9	1
6	Challenges of today for Na-based batteries of the future: From materials to cell metrics. Journal of Power Sources, 2021, 482, 228872.	7.8	169
7	A chemical map of NaSICON electrode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 281-292.	10.3	91
8	Towards Reversible High-Voltage Multi-Electron Reactions in Alkali-Ion Batteries Using Vanadium Phosphate Positive Electrode Materials. Molecules, 2021, 26, 1428.	3.8	25
9	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.	6.7	37
10	Insights into the Rich Polymorphism of the Na⁺ Ion Conductor Na₃PS₄ from the Perspective of Variable-Temperature Diffraction and Spectroscopy. Chemistry of Materials, 2021, 33, 5652-5667.	6.7	23
11	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.	0.4	3
12	Phase stability and sodium-vacancy orderings in a NaSICON electrode. Journal of Materials Chemistry A, 2021, 10, 209-217.	10.3	24
13	HBO2 as an adhesive agent for the multi-step fabrication of all-solid-state sodium batteries. Journal of Power Sources, 2020, 450, 227597.	7.8	6
14	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.	6.7	14
15	Na₇V₃(P₂O₇)₄as a high voltage electrode material for Na-ion batteries: crystal structure and mechanism of Na⁺extraction/insertion by<i>operando</i>X-ray diffraction. Journal of Materials Chemistry A, 2020, 8, 21110-21121.	10.3	13
16	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.	3.1	19
17	Under Pressure: Mechanochemical Effects on Structure and Ion Conduction in the Sodium-Ion Solid Electrolyte Na₃PS₄. Journal of the American Chemical Society, 2020, 142, 18422-18436.	13.7	58
18	Ionothermal Synthesis of Polyanionic Electrode Material Na₃V₂(PO₄)₂FO₂ through a Topotactic Reaction. Inorganic Chemistry, 2020, 59, 17282-17290.	4.0	11

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19	Phase Behavior in Rhombohedral NaSiCON Electrolytes and Electrodes. Chemistry of Materials, 2020, 32, 7908-7920.	6.7	58
20	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.	1.9	4
21	Mechanochemical synthesis and ion transport properties of Na3OX (X = Cl, Br, I and BH4) antiperovskite solid electrolytes. Journal of Power Sources, 2020, 471, 228489.	7.8	47
22	Fundamentals of inorganic solid-state electrolytes for batteries. Nature Materials, 2019, 18, 1278-1291.	27.5	1,341
23	Investigation of the Oxidation Reaction of LiFePO4 Cathode Material using Environmental TEM. Microscopy and Microanalysis, 2019, 25, 1858-1859.	0.4	0
24	Redox Paradox of Vanadium in Tavorite LiVPO4F1â€"yOy. Chemistry of Materials, 2019, 31, 7367-7376.	6.7	12
25	A New Superionic Plastic Polymorph of the Na⁺ Conductor Na₃PS₄. , 2019, 1, 641-646.		50
26	Aluminum substitution for vanadium in the Na₃V₂(PO₄)₂F₃ and Na₃V₂(PO₄)₂FO₂ type materials. Chemical Communications, 2019, 55, 11719-11722.	4.1	45
27	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.	8.0	28
28	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.	18.0	45
29	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.	6.7	34
30	A NASICONâ€Type Positive Electrode for Na Batteries with High Energy Density: Na₄MnV(PO₄)₃. Small Methods, 2019, 3, 1800218.	8.6	121
31	High Rate Performance for Carbonâ€Coated Na₃V₂(PO₄)₂F₃ in Naâ€Ion Batteries. Small Methods, 2019, 3, 1800215.	8.6	92
32	Mineral-Inspired Crystal Growth and Physical Properties of Na₂Cu(SO₄)₂ and Review of Na₂<i>M</i>(SO₄)₂(H₂O)_{<i>x</i>} (<i>x</i> = 0â€"6) Compounds. Crystal Growth and Design, 2019, 19, 1233-1244.	3.0	17
33	Coupled X-ray diffraction and electrochemical studies of the mixed Ti/V-containing NASICON: Na₂TiV(PO₄)₃. Journal of Materials Chemistry A, 2018, 6, 6654-6659.	10.3	40
34	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.	10.3	12
35	Crystal Structures, Local Atomic Environments, and Ion Diffusion Mechanisms of Scandium-Substituted Sodium Superionic Conductor (NASICON) Solid Electrolytes. Chemistry of Materials, 2018, 30, 2618-2630.	6.7	109
36	Atomic-Scale Influence of Grain Boundaries on Li-Ion Conduction in Solid Electrolytes for All-Solid-State Batteries. Journal of the American Chemical Society, 2018, 140, 362-368.	13.7	226

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37	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.	6.7	37
38	A review of structural properties and synthesis methods of solid electrolyte materials in the Li2S â^’ P2S5 binary system. Journal of Power Sources, 2018, 407, 31-43.	7.8	140
39	A High Voltage Cathode Material for Sodium Batteries: Na₃V(PO₄)₂. Inorganic Chemistry, 2018, 57, 8760-8768.	4.0	19
40	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.	6.7	21
41	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.	3.1	37
42	Enhancing the Lithium Ion Conductivity in Lithium Superionic Conductor (LISICON) Solid Electrolytes through a Mixed Polyanion Effect. ACS Applied Materials & Interfaces, 2017, 9, 7050-7058.	8.0	147
43	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.	3.1	61
44	Structural and electrochemical studies of novel Na₇V₃Al(P₂O₇)₄(PO₄) and Na₇V₂Al₂(P₂O₇)₄(PO₄) high-voltage cathode materials for Na-ion batteries. Journal of Materials Chemistry A, 2017, 5, 14365-14376.	10.3	34
45	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.	4.0	5
46	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.	10.3	32
47	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.	6.7	126
48	Oxidation under Air of Tavorite LiVPO₄F: Influence of Vanadyl-Type Defects on Its Electrochemical Properties. Journal of Physical Chemistry C, 2016, 120, 26187-26198.	3.1	23
49	Structural and electrochemical studies of a new Tavorite composition: LiVPO₄OH. Journal of Materials Chemistry A, 2016, 4, 11030-11045.	10.3	19
50	Synthesis of Li 2 FeSiO 4 /carbon nano-composites by impregnation method. Journal of Power Sources, 2015, 284, 574-581.	7.8	20
51	(NH₄)_{0.75}Fe(H₂O)₂[BP₂O₈]Â·0.25H₂O, a Fe³⁺/Fe²⁺ Mixed Valence Cathode Material for Na Battery Exhibiting a Helical Structure. Journal of Physical Chemistry C, 2015, 119, 4540-4549.	3.1	13
52	Structural and Mechanistic Insights into Fast Lithium-Ion Conduction in Li₄SiO₄â€“Li₃PO₄ Solid Electrolytes. Journal of the American Chemical Society, 2015, 137, 9136-9145.	13.7	223
53	Revealing Defects in Crystalline Lithium-Ion Battery Electrodes by Solid-State NMR: Applications to LiVPO₄F. Chemistry of Materials, 2015, 27, 5212-5221.	6.7	47
54	Improving the energy density of Na₃V₂(PO₄)₃-based positive electrodes through V/Al substitution. Journal of Materials Chemistry A, 2015, 3, 16198-16205.	10.3	150

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55	Singular Structural and Electrochemical Properties in Highly Defective LiFePO₄ Powders. Chemistry of Materials, 2015, 27, 4261-4273.	6.7	43
56	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.	6.7	217
57	Discovery of a Sodium-Ordered Form of Na₃V₂(PO₄)₃ below Ambient Temperature. Chemistry of Materials, 2015, 27, 5982-5987.	6.7	110
58	An all-solid state NASICON sodium battery operating at 200ÂÂ°C. Journal of Power Sources, 2014, 247, 975-980.	7.8	256
59	Preparation, structure and electrochemistry of LiFeBO₃: a cathode material for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 2060-2070.	10.3	58
60	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.	10.3	79
61	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.	3.1	63
62	One-pot synthesis of LiFePO 4 â€"carbon mesoporous composites for Li-ion batteries. Microporous and Mesoporous Materials, 2014, 198, 175-184.	4.4	22
63	Na₃V₂(PO₄)₂F₃ Revisited: A High-Resolution Diffraction Study. Chemistry of Materials, 2014, 26, 4238-4247.	6.7	193
64	Magnetic Structures of LiMBO₃ (M = Mn, Fe, Co) Lithiated Transition Metal Borates. Inorganic Chemistry, 2013, 52, 11966-11974.	4.0	38
65	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.	2.9	53
66	Towards high energy density sodium ion batteries through electrolyte optimization. Energy and Environmental Science, 2013, 6, 2361.	30.8	410
67	Heterogeneous behaviour of the lithium battery composite electrode LiFePO4. Journal of Power Sources, 2013, 229, 16-21.	7.8	87
68	Polyanionic (Phosphates, Silicates, Sulfates) Frameworks as Electrode Materials for Rechargeable Li (or Na) Batteries. Chemical Reviews, 2013, 113, 6552-6591.	47.7	968
69	Nonstochiometry in LiFe_{0.5}Mn_{0.5}PO₄: Structural and Electrochemical Properties. Journal of the Electrochemical Society, 2013, 160, A1446-A1450.	2.9	19
70	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.	2.9	73
71	In Situ X-ray Diffraction Study of Electrochemical Insertion in Mg_{0.5}Ti₂(PO₄)₃: An Electrode Material for Lithium or Sodium Batteries. Journal of the Electrochemical Society, 2012, 159, A1716-A1721.	2.9	18
72	Hydrothermal synthesis, silver decoration and electrochemistry of LiMPO4 (M=Fe, Mn, and Co) single crystals. Solid State Ionics, 2012, 220, 47-52.	2.7	22

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73	Synthesis and Crystallographic Study of Homeotypic LiVPO₄F and LiVPO₄O. Chemistry of Materials, 2012, 24, 1223-1234.	6.7	141
74	Special issue to â€œICMAT 2011, Symposium N: Advanced materials for energy storage systemsâ€”from fundamentals to applications, June 26â€“July 1, 2011, Singaporeâ€• Journal of Solid State Electrochemistry, 2012, 16, 1741-1742.	2.5	0
75	Electrochemical Kinetic Study of LiFePO4 Using Cavity Microelectrode. Journal of the Electrochemical Society, 2011, 158, A1090.	2.9	114
76	â€œGive Energy to Your Studyâ€• Students Worldwide Gather in Europe To Design Future Materials for Energy Storage and Conversion. Journal of Chemical Education, 2011, 88, 1203-1206.	2.3	0
77	Reversed Phase Composite Polymeric Electrolytes Based on Poly(oxyethylene).. Chemistry of Materials, 2011, 23, 1785-1797.	6.7	22
78	Î±-Na₃M₂(PO₄)₃ (M = Ti, Fe): Absolute Cationic Ordering in NASICON-Type Phases. Journal of the American Chemical Society, 2011, 133, 11900-11903.	13.7	144
79	Existence of Superstructures Due to Large Amounts of Fe Vacancies in the LiFePO₄-Type Framework. Chemistry of Materials, 2011, 23, 32-38.	6.7	34
80	Polymorphism in Li2(Fe,Mn)SiO4: A combined diffraction and NMR study. Journal of Materials Chemistry, 2011, 21, 17823.	6.7	55
81	Li₂FeSiO₄ Polymorphs Probed by ⁶Li MAS NMR and ⁵⁷Fe MÃ¶ssbauer Spectroscopy. Chemistry of Materials, 2011, 23, 2735-2744.	6.7	65
82	Lithium ions on the fast track. Nature Materials, 2011, 10, 649-650.	27.5	89
83	Silicate cathodes for lithium batteries: alternatives to phosphates?. Journal of Materials Chemistry, 2011, 21, 9811.	6.7	310
84	Dependence of Li₂FeSiO₄ Electrochemistry on Structure. Journal of the American Chemical Society, 2011, 133, 1263-1265.	13.7	204
85	High temperature electrochemical performance of nanosized LiFePO4. Journal of Power Sources, 2010, 195, 6897-6901.	7.8	39
86	Crystal Structure of a New Polymorph of Li₂FeSiO₄. Inorganic Chemistry, 2010, 49, 7446-7451.	4.0	109
87	Linking Local Environments and Hyperfine Shifts: A Combined Experimental and Theoretical³¹P and⁷Li Solid-State NMR Study of Paramagnetic Fe(III) Phosphates. Journal of the American Chemical Society, 2010, 132, 16825-16840.	13.7	133
88	On the Origin of the Electrochemical Capacity of Li[sub 2]Fe[sub 0.8]Mn[sub 0.2]SiO[sub 4]. Journal of the Electrochemical Society, 2010, 157, A1309.	2.9	66
89	An Electrochemical Cell for Operando Study of Lithium Batteries Using Synchrotron Radiation. Journal of the Electrochemical Society, 2010, 157, A606.	2.9	284
90	Crystal structures and sodium/silver distributions within the ionic conductors Na₅Ag₂Fe₃(As₂O₇)₄and Na₂Ag₅Fe₃(P₂O₇)₄. New Journal of Chemistry, 2010, 34, 287-293.	2.8	9

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91	Lithium-Insertion Mechanism in Crystalline and Amorphous FePO[sub 4]â‹…nH[sub 2]O. Journal of the Electrochemical Society, 2009, 156, A595.	2.9	27
92	Crystal structures of new silver ion conductors Ag7Fe3(X2O7)4 (X = P, As). New Journal of Chemistry, 2009, 33, 998.	2.8	19
93	The effects of moderate thermal treatments under air on LiFePO4-based nano powders. Journal of Materials Chemistry, 2009, 19, 3979.	6.7	106
94	Comparative Studies on the Phase Stability, Electronic Structure, and Topology of the Charge Density in the Li3XO4 (X = P, As, V) Lithium Orthosalt Polymorphs. Chemistry of Materials, 2009, 21, 1861-1874.	6.7	18
95	Room-temperature single-phase LiÂinsertion/extraction in nanoscale LixFePO4. Nature Materials, 2008, 7, 741-747.	27.5	639
96	Size Effects on Carbon-Free LiFePO[sub 4] Powders. Electrochemical and Solid-State Letters, 2006, 9, A352.	2.2	573
97	Comparative study of the phase transition of Li1+xMn2âˆ’xO4 by anelastic spectroscopy and differential scanning calorimetry. Electrochemistry Communications, 2006, 8, 113-117.	4.7	15
98	Doping effects on the phase transition of LiMn2O4 by anelastic spectroscopy and differential scanning calorimetry. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 220-223.	5.6	4
99	Electrochemical and electrical properties of Nb- and/or C-containing LiFePO4 composites. Solid State Ionics, 2006, 177, 333-341.	2.7	142
100	Study of the LiFePO4/FePO4 Two-Phase System by High-Resolution Electron Energy Loss Spectroscopy. Chemistry of Materials, 2006, 18, 5520-5529.	6.7	475
101	Energetics of LiFePO4 and Polymorphs of Its Delithiated Form, FePO4. Electrochemical and Solid-State Letters, 2006, 9, A46-A48.	2.2	21
102	Stabilization of an orthorhombic phase in LiMnO by means of high pressure. Solid State Ionics, 2005, 176, 635-639.	2.7	16
103	The existence of a temperature-driven solid solution in LixFePO4 for 0 â‰ x â‰ 1. Nature Materials, 2005, 4, 254-260.	27.5	478
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109	Disproportionation of stoichiometric LiMn2O4 on annealing in oxygen. Journal of Solid State Chemistry, 2004, 177, 1-5.	2.9	16
110	Low temperature preparation of optimized phosphates for Li-battery applications. Solid State Ionics, 2004, 173, 113-118.	2.7	55
111	A comparative structural and electrochemical study of monoclinic Li3Fe2(PO4)3 and Li3V2(PO4)3. Journal of Power Sources, 2003, 119-121, 278-284.	7.8	203
112	Development of potentiometric ion sensors based on insertion materials as sensitive element. Solid State Ionics, 2003, 159, 149-158.	2.7	47
113	In Situ X-Ray Diffraction during Lithium Extraction from Rhombohedral and Monoclinic Li[sub 3]V[sub 2](PO[sub 4])[sub 3]. Electrochemical and Solid-State Letters, 2003, 6, A80.	2.2	77
114	Structural and Electrochemical Studies of Rhombohedral Na2TiM(PO4)3and Li1.6Na0.4TiM(PO4)3(M =) Tj ETQq0 0 0 rgBT /Overlock 10	6.7	89
115	Synthesis and Thermal Behavior of Crystalline Hydrated Iron(III) Phosphates of Interest as Positive Electrodes in Li Batteries. Chemistry of Materials, 2003, 15, 5051-5058.	6.7	66
116	Magnetic Structures of the Triphylite LiFePO4and of Its Delithiated Form FePO4. Chemistry of Materials, 2003, 15, 4082-4090.	6.7	309
117	The charge order transition and elastic/anelastic properties of LiMn2O4. Journal of Physics Condensed Matter, 2003, 15, 457-465.	1.8	26
118	ANELASTIC SPECTROSCOPY STUDY OF THE CHARGE ORDER TRANSITION OF LiMn2O4. International Journal of Modern Physics B, 2003, 17, 799-804.	2.0	2
119	Hydrated Iron Phosphates FePO[sub 4]â‹…nH[sub 2]O and Fe[sub 4](P[sub 2]O[sub 7])[sub 3]â‹…nH[sub 2]O as 3 V Positive Electrodes in Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 2002, 149, A1037.	2.9	86
120	CHARGE ORDER TRANSITION IN LiMn2O4. International Journal of Modern Physics B, 2002, 16, 1655-1659.	2.0	1
121	Chemical and Electrochemical Insertion of Lithium into Two Allotropic Varieties of NbPO5. Chemistry of Materials, 2002, 14, 2334-2341.	6.7	28
122	Lithium Insertion/Extraction into/from LiMX2O7Compositions (M = Fe, V; X = P, As) Prepared via a Solution Method. Chemistry of Materials, 2002, 14, 2701-2710.	6.7	66
123	Lithium Insertion into Titanium Phosphates, Silicates, and Sulfates. Chemistry of Materials, 2002, 14, 5057-5068.	6.7	187
124	A Reversible Lithium Intercalation Process in an ReO[sub 3]-Type Structure PNb[sub 9]O[sub 25]. Journal of the Electrochemical Society, 2002, 149, A391.	2.9	52
125	Magnetic structure of two lithium iron phosphates: A- and B-Li 3 Fe 2 (PO 4) 3. Applied Physics A: Materials Science and Processing, 2002, 74, s704-s706.	2.3	12
126	In situ X-ray diffraction techniques as a powerful tool to study battery electrode materials. Electrochimica Acta, 2002, 47, 3137-3149.	5.2	235

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127	Crystal structure of a new vanadium(IV) diphosphate: VP2O7, prepared by lithium extraction from LiVP2O7. Solid State Sciences, 2001, 3, 881-887.	0.7	29
128	Charge order transitions in manganese oxides. Ferroelectrics, 2001, 249, 21-30.	0.6	2
129	Magnetic Structural Studies of the Two Polymorphs of Li3Fe2(PO4)3:Â Analysis of the Magnetic Ground State from Super-Super Exchange Interactions. Chemistry of Materials, 2001, 13, 4527-4536.	6.7	50
130	TEM Studies: The Key for Understanding the Origin of the 3.3 V and 4.5 V Steps Observed in LiMn2O4-based Spinels. Journal of Solid State Chemistry, 2000, 155, 394-408.	2.9	29
131	Rhombohedral Form of Li3V2(PO4)3as a Cathode in Li-Ion Batteries. Chemistry of Materials, 2000, 12, 3240-3242.	6.7	251
132	On the Origin of the 3.3 and 4.5 V Steps Observed in LiMn[sub 2]O[sub 4]-Based Spinels. Journal of the Electrochemical Society, 2000, 147, 845.	2.9	73
133	A Powder Neutron Diffraction Investigation of the Two Rhombohedral NASICON Analogues:Â Î³-Na3Fe2(PO4)3and Li3Fe2(PO4)3. Chemistry of Materials, 2000, 12, 525-532.	6.7	167
134	Infrared spectroscopy investigation of the charge ordering transition in LiMn2O4. Solid State Communications, 1999, 111, 453-458.	1.9	29
135	Solubility range and ionic conductivity of large trivalent ion doped Na1+xMxZr2â^'xP3O12 (M: In, Yb, Er,) Tj ETQq1 1 0.784314 rgBT /Ov	2.7	43
136	X-ray Study of the Spinel LiMn2O4at Low Temperatures. Chemistry of Materials, 1999, 11, 3629-3635.	6.7	56
137	Preparation of LiCoO2 and LiCo1â^'xFexO2 using hydrothermal reactions. Journal of Materials Chemistry, 1999, 9, 199-204.	6.7	75
138	New Cathode Materials for Rechargeable Lithium Batteries: The 3-D Framework Structures Li3Fe2(XO4)3(X=P, As). Journal of Solid State Chemistry, 1998, 135, 228-234.	2.9	290
139	Effect of Cation Arrangement on the Magnetic Properties of Lithium Ferrites (LiFeO2) Prepared by Hydrothermal Reaction and Post-annealing Method. Journal of Solid State Chemistry, 1998, 140, 159-167.	2.9	73
140	Magnetic Properties of Metastable Lithium Iron Oxides Obtained by Solvothermal/Hydrothermal Reaction. Journal of Solid State Chemistry, 1998, 141, 554-561.	2.9	90
141	Electronic Crystallization in a Lithium Battery Material: Columnar Ordering of Electrons and Holes in the SpinelLiMn2O4. Physical Review Letters, 1998, 81, 4660-4663.	7.8	309
142	Synthesis of LiMnO2 with Î±â€%oâ€â€%oNaMnO2â€Type Structure by a Mixedâ€Alkaline Hydrothermal Reaction. Journal of the Electrochemical Society, 1998, 145, L49-L52.	2.9	88
143	Mapping of Transition Metal Redox Energies in Phosphates with NASICON Structure by Lithium Intercalation. Journal of the Electrochemical Society, 1997, 144, 2581-2586.	2.9	338
144	Effect of Structure on the Fe3â€%o+â€%oâ€%o/â€%oFe2â€%o+â€%o Redox Couple in Iron Phosphates. Journal of the Electrochemical Society, 1997, 144, 1609-1613.	2.9	1,161

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145	Characterization of Li1 â^' Î´Mn2 â^' 2Î´O4 defect spinel materials by their phase transition, magnetic and electrochemical properties. Journal of Power Sources, 1997, 68, 623-628.	7.8	35
146	Chemical and Magnetic Characterization of Spinel Materials in the LiMn2O4â€"Li2Mn4O9â€"Li4Mn5O12System. Journal of Solid State Chemistry, 1996, 123, 255-266.	2.9	259
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151	A new family of sodium ion conductors: the diphosphates and diarsenates Na7M3 (X2O7)4; (M=Al, Ga,) Tj ETQq1 1 0.784314 rgBT /Ove	2.7	33
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