Christian M Julien

List of Publications by Year
in descending order

185 papers	11,123 citations	25034 57 h-index	34986 98 g-index
189 all docs	189 docs citations	189 times ranked	11939 citing authors

#	Article	IF	Citations
1	Lattice vibrations of manganese oxides. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 689-700.	3.9	802
2	Comparative Issues of Cathode Materials for Li-Ion Batteries. Inorganics, 2014, 2, 132-154.	2.7	373
3	Minimization of the cation mixing in Li1+x(NMC)1â^'xO2 as cathode material. Journal of Power Sources, 2010, 195, 1292-1301.	7.8	337
4	Safe and fast-charging Li-ion battery with long shelf life for power applications. Journal of Power Sources, 2011, 196, 3949-3954.	7.8	298
5	Challenges and issues facing lithium metal for solid-state rechargeable batteries. Journal of Power Sources, 2017, 353, 333-342.	7.8	273
6	Brief History of Early Lithium-Battery Development. Materials, 2020, 13, 1884.	2.9	253
7	Study of the Li-insertion/extraction process in LiFePO4/FePO4. Journal of Power Sources, 2009, 187, 555-564.	7.8	229
8	Lattice vibrations of materials for lithium rechargeable batteries I. Lithium manganese oxide spinel. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 97, 217-230.	3.5	209
9	Nanostructured MnO2 as Electrode Materials for Energy Storage. Nanomaterials, 2017, 7, 396.	4.1	195
10	Characterization of Na-based phosphate as electrode materials for electrochemical cells. Journal of Power Sources, 2011, 196, 9612-9617.	7.8	193
11	Lithium intercalated compounds. Materials Science and Engineering Reports, 2003, 40, 47-102.	31.8	188
12	Cross-linking network based on Poly(ethylene oxide): Solid polymer electrolyte for room temperature lithium battery. Journal of Power Sources, 2019, 420, 63-72.	7.8	186
13	Sulfide and Oxide Inorganic Solid Electrolytes for All-Solid-State Li Batteries: A Review. Nanomaterials, 2020, 10, 1606.	4.1	179
14	Review and analysis of nanostructured olivine-based lithium recheargeable batteries: Status and trends. Journal of Power Sources, 2013, 232, 357-369.	7.8	173
15	Lattice vibrations of materials for lithium rechargeable batteries III. Lithium manganese oxides. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 100, 69-78.	3.5	171
16	Building Better Batteries in the Solid State: A Review. Materials, 2019, 12, 3892.	2.9	168
17	Structural, magnetic and electrochemical properties of lithium iron orthosilicate. Journal of Power Sources, 2006, 160, 1381-1386.	7.8	157
18	A comprehensive review of lithium salts and beyond for rechargeable batteries: Progress and perspectives. Materials Science and Engineering Reports, 2018, 134, 1-21.	31.8	136

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19	Local structure and redox energies of lithium phosphates with olivine- and Nasicon-like structures. Journal of Power Sources, 2005, 140, 370-375.	7.8	134
20	Structure and electrochemistry of FePO4Â·2H2O hydrate. Journal of Power Sources, 2005, 142, 279-284.	7.8	130
21	Synthesis and characterization of LiNi1/3Mn1/3Co1/3O2 by wet-chemical method. Electrochimica Acta, 2010, 55, 6440-6449.	5.2	126
22	Polypyrrole-covered MnO2 as electrode material for supercapacitor. Journal of Power Sources, 2013, 240, 267-272.	7.8	126
23	Study of the surface modification of LiNi1/3Co1/3Mn1/3O2 cathode material for lithium ion battery. Journal of Power Sources, 2011, 196, 8632-8637.	7.8	125
24	From Solidâ€Solution Electrodes and the Rockingâ€Chair Concept to Today's Batteries. Angewandte Chemie - International Edition, 2020, 59, 534-538.	13.8	124
25	In operando scanning electron microscopy and ultravioletâ€"visible spectroscopy studies of lithium/sulfur cells using all solid-state polymer electrolyte. Journal of Power Sources, 2016, 319, 247-254.	7.8	118
26	Advanced Electrodes for High Power Li-ion Batteries. Materials, 2013, 6, 1028-1049.	2.9	115
27	Nano-sized impurity phases in relation to the mode of preparation of LiFePO4. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 129, 232-244.	3.5	114
28	Lithium Batteries. , 2016, , .		114
29	Aging of LiFePO4 upon exposure to H2O. Journal of Power Sources, 2008, 185, 698-710.	7.8	110
30	Optimized electrochemical performance of LiFePO4 at 60Â°C with purity controlled by SQUID magnetometry. Journal of Power Sources, 2006, 163, 560-566.	7.8	109
31	Optical properties of thin semicontinuous gold films over a wavelength range of 2.5 to 500 Î¼m. Physical Review B, 1992, 46, 2503-2511.	3.2	108
32	Advances in lithiumâ€"sulfur batteries. Materials Science and Engineering Reports, 2017, 121, 1-29.	31.8	100
33	Enhanced thermal safety and high power performance of carbon-coated LiFePO4 olivine cathode for Li-ion batteries. Journal of Power Sources, 2012, 219, 36-44.	7.8	98
34	Recent Progress on Organic Electrodes Materials for Rechargeable Batteries and Supercapacitors. Materials, 2019, 12, 1770.	2.9	97
35	An improved high-power battery with increased thermal operating range: Câ€"LiFePO4//Câ€"Li4Ti5O12. Journal of Power Sources, 2012, 216, 192-200.	7.8	96
36	Constructing metal-free and cost-effective multifunctional separator for high-performance lithium-sulfur batteries. Nano Energy, 2019, 59, 390-398.	16.0	96

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37	Lattice vibrations of materials for lithium rechargeable batteries. VI: Ordered spinels. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 130, 41-48.	3.5	91
38	Study of the nanosized Li2MnO3: Electrochemical behavior, structure, magnetic properties, and vibrational modes. Electrochimica Acta, 2013, 97, 259-270.	5.2	89
39	Optimization of Layered Cathode Materials for Lithium-Ion Batteries. Materials, 2016, 9, 595.	2.9	89
40	Anatase TiO2 nanoparticles for lithium-ion batteries. Ionics, 2018, 24, 2925-2934.	2.4	88
41	Effect of nano LiFePO4 coating on LiMn1.5Ni0.5O4 5V cathode for lithium ion batteries. Journal of Power Sources, 2012, 204, 127-132.	7.8	83
42	Chemical and electrochemical properties of molybdenum oxide thin films prepared by reactive pulsed-laser assisted deposition. Chemical Physics Letters, 2006, 428, 114-118.	2.6	78
43	Aging of LiNi1/3Mn1/3Co1/3O2 cathode material upon exposure to H2O. Journal of Power Sources, 2011, 196, 5102-5108.	7.8	78
44	High Substitution Rate in TiO₂ Anatase Nanoparticles with Cationic Vacancies for Fast Lithium Storage. Chemistry of Materials, 2015, 27, 5014-5019.	6.7	77
45	In situ Scanning electron microscope study and microstructural evolution of nano silicon anode for high energy Li-ion batteries. Journal of Power Sources, 2014, 248, 457-464.	7.8	76
46	Tribute to Michel Armand: from Rocking Chair â€“ Li-ion to Solid-State Lithium Batteries. Journal of the Electrochemical Society, 2020, 167, 070507.	2.9	74
47	Structural and magnetic properties of Lix(MnyFe1âˆ’y)PO4 electrode materials for Li-ion batteries. Journal of Power Sources, 2009, 189, 1154-1163.	7.8	73
48	Structural studies of Li4/3Me5/3O4 (Me = Ti, Mn) electrode materials: local structure and electrochemical aspects. Journal of Power Sources, 2004, 136, 72-79.	7.8	71
49	Improvements of the electrochemical features of graphite fluorides in primary lithium battery by electrodeposition of polypyrrole. Electrochemistry Communications, 2011, 13, 1074-1076.	4.7	71
50	Study of Cathode Materials for Lithium-Ion Batteries: Recent Progress and New Challenges. Inorganics, 2017, 5, 32.	2.7	68
51	NCA, NCM811, and the Route to Ni-Richer Lithium-Ion Batteries. Energies, 2020, 13, 6363.	3.1	68
52	Synthesis of pure phase disordered LiMn1.45Cr0.1Ni0.45O4 by a post-annealing method. Journal of Power Sources, 2012, 217, 400-406.	7.8	67
53	Electrochemical properties of nanofibers Î±-MoO3 as cathode materials for Li batteries. Journal of Power Sources, 2012, 219, 126-132.	7.8	65
54	On the growth mechanism of pulsed-laser deposited vanadium oxide thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 111, 218-225.	3.5	64

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55	In situ Raman analyses of electrode materials for Li-ion batteries. AIMS Materials Science, 2018, 5, 650-698.	1.4	64
56	Magnetic properties of LiNi0.5Mn1.5O4 spinels prepared by wet chemical methods. Journal of Magnetism and Magnetic Materials, 2007, 309, 100-105.	2.3	63
57	Improvement of the electrochemical performance of nanosized Î±-MnO2 used as cathode material for Li-batteries by Sn-doping. Journal of Alloys and Compounds, 2011, 509, 9669-9674.	5.5	63
58	Electrochemistry and local structure of nano-sized Li4/3Me5/3O4 (MeMn, Ti) spinels. Electrochimica Acta, 2004, 50, 411-416.	5.2	61
59	Local structure of lithiated manganese oxides. Solid State Ionics, 2006, 177, 11-19.	2.7	59
60	New advanced cathode material: LiMnPO4 encapsulated with LiFePO4. Journal of Power Sources, 2012, 204, 177-181.	7.8	58
61	Structural, magnetic and electrochemical properties of LiNi0.5Mn0.5O2 as positive electrode for Li-ion batteries. Electrochimica Acta, 2007, 52, 4092-4100.	5.2	56
62	LiFePO4: From molten ingot to nanoparticles with high-rate performance in Li-ion batteries. Journal of Power Sources, 2010, 195, 8280-8288.	7.8	56
63	Synthesis and interface stability of polystyrene-poly(ethylene glycol)-polystyrene triblock copolymer as solid-state electrolyte for lithium-metal batteries. Journal of Power Sources, 2019, 428, 93-104.	7.8	56
64	Phase Transitions in Li2MnO3 Electrodes at Various States-of-Charge. Electrochimica Acta, 2014, 123, 395-404.	5.2	54
65	Synthesis, structure, magnetic, electrical and electrochemical properties of Al, Cu and Mg doped MnO2. Materials Chemistry and Physics, 2011, 130, 33-38.	4.0	53
66	In situ high-resolution transmission electron microscopy synthesis observation of nanostructured carbon coated LiFePO4. Journal of Power Sources, 2011, 196, 7383-7394.	7.8	52
67	Stirring effect in hydrothermal synthesis of nano C-LiFePO4. Journal of Power Sources, 2014, 266, 99-106.	7.8	52
68	Synthesis, structural, magnetic and electrochemical properties of LiNi1/3Mn1/3Co1/3O2 prepared by a solâ€“gel method using table sugar as chelating agent. Electrochimica Acta, 2013, 113, 313-321.	5.2	51
69	Electrochemical and thermal characterization of lithium titanate spinel anode in Câ€“LiFePO4//Câ€“Li4Ti5O12 cells at sub-zero temperatures. Journal of Power Sources, 2014, 248, 1050-1057.	7.8	50
70	Structure and electrochemistry of scaling nano Câ€“LiFePO4 synthesized by hydrothermal route: Complexing agent effect. Journal of Power Sources, 2012, 214, 1-6.	7.8	47
71	Pulsed Laser Deposited Films for Microbatteries. Coatings, 2019, 9, 386.	2.6	46
72	Recent trends in silicon/graphene nanocomposite anodes for lithium-ion batteries. Journal of Power Sources, 2021, 501, 229709.	7.8	46

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73	Structural and electronic properties of the LiNiPO4 orthophosphate. Ionics, 2012, 18, 625-633.	2.4	44
74	Structural properties and electrochemistry of Î±-LiFeO2. Journal of Power Sources, 2012, 197, 285-291.	7.8	44
75	Sputtered LiCoO2 Cathode Materials for All-solid-state Thin-film Lithium Microbatteries. Materials, 2019, 12, 2687.	2.9	43
76	â€œPolymer-in-ceramicâ€•based poly(Æ•caprolactone)/ceramic composite electrolyte for all-solid-state batteries. Journal of Energy Chemistry, 2021, 52, 318-325.	12.9	43
77	DTA, FTIR and impedance spectroscopy studies on lithiumâ€“ironâ€“phosphate glasses with olivine-like local structure. Solid State Ionics, 2008, 179, 46-50.	2.7	42
78	Comparative studies of the phase evolution in M-doped LixMn1.5Ni0.5O4 (MÂ=ÂCo, Al, Cu and Mg) by in-situ X-ray diffraction. Journal of Power Sources, 2014, 264, 290-298.	7.8	42
79	Olivine Positive Electrodes for Li-Ion Batteries: Status and Perspectives. Batteries, 2018, 4, 39.	4.5	41
80	Amorphousâ€“crystalline transition studied in hydrated MoO3. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 135, 88-94.	3.5	40
81	Role of perfluoropolyether-based electrolytes in lithium metal batteries: Implication for suppressed Al current collector corrosion and the stability of Li metal/electrolytes interfaces. Journal of Power Sources, 2018, 380, 115-125.	7.8	40
82	O₂ Adsorption Associated with Sulfur Vacancies on MoS₂ Microspheres. Inorganic Chemistry, 2019, 58, 2169-2176.	4.0	40
83	V₂O₅ thin films for energy storage and conversion. AIMS Materials Science, 2018, 5, 349-401.	1.4	40
84	Green synthesis of nanosized manganese dioxide as positive electrode for lithium-ion batteries using lemon juice and citrus peel. Electrochimica Acta, 2018, 262, 74-81.	5.2	39
85	Microstructural features of pulsed-laser deposited V2O5 thin films. Applied Surface Science, 2003, 207, 135-138.	6.1	38
86	Lattice vibrations of materials for lithium rechargeable batteries V. Local structure of Li0.3MnO2. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 100, 87-92.	3.5	38
87	State-of-the-Art Electrode Materials for Sodium-Ion Batteries. Materials, 2020, 13, 3453.	2.9	37
88	Nanosized silver-coated and doped manganese dioxide for rechargeable lithium batteries. Solid State Ionics, 2011, 182, 108-115.	2.7	36
89	EDTA as chelating agent for sol-gel synthesis of spinel LiMn2O4 cathode material for lithium batteries. Journal of Alloys and Compounds, 2018, 737, 758-766.	5.5	36
90	LiMn2â^'yCoyO4 (0â‰yâ‰1) intercalation compounds synthesized from wet-chemical route. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 129, 64-75.	3.5	35

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91	Study of the local structure of LiNi0.33+Î´Mn0.33+Î´Co0.33â^'2Î´O2 (0.025â‰¤Î´â‰¤0.075) oxides. Journal of Alloys and Compounds, 2012, 528, 91-98.	5.5	35
92	Study of Coâ€“Sn and Niâ€“Sn alloys prepared in molten chlorides and used as negative electrode in rechargeable lithium battery. Electrochimica Acta, 2011, 56, 2656-2664.	5.2	34
93	Enhanced Electrochemical Properties of LiFePO₄ as Positive Electrode of Li-Ion Batteries for HEV Application. Advances in Chemical Engineering and Science, 2012, 02, 321-329.	0.5	34
94	Lithium reactivity with IIIâ€“VI layered compounds. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 100, 263-270.	3.5	32
95	Lattice vibrations of materials for lithium rechargeable batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 108, 179-186.	3.5	32
96	Modulating molecular orbital energy level of lithium polysulfide for high-rate and long-life lithium-sulfur batteries. Energy Storage Materials, 2020, 24, 373-378.	18.0	32
97	Li(Ni,Co)PO4 as cathode materials for lithium batteries: Will the dream come true?. Current Opinion in Electrochemistry, 2017, 6, 63-69.	4.8	31
98	Composite anodes for lithium-ion batteries: status and trends. AIMS Materials Science, 2016, 3, 1054-1106.	1.4	30
99	Disorder in LixFePO4: From glasses to nanocrystallites. Journal of Non-Crystalline Solids, 2008, 354, 1915-1925.	3.1	29
100	Crystallinity of nano C-LiFePO4 prepared by the polyol process. Journal of Power Sources, 2012, 217, 220-228.	7.8	29
101	A polypyrrole/black-TiO2/S double-shelled composite fixing polysulfides for lithium-sulfur batteries. Electrochimica Acta, 2020, 353, 136529.	5.2	29
102	LiCo_{1â^'<i>y</i>}B_{<i>y</i>}O₂ As Cathode Materials for Rechargeable Lithium Batteries. Chemistry of Materials, 2011, 23, 208-218.	6.7	28
103	De-intercalation of LixCo0.8Mn0.2O2: A magnetic approach. Journal of Power Sources, 2011, 196, 6440-6448.	7.8	28
104	From Solidâ€Solution Electrodes and the Rockingâ€Chair Concept to Today's Batteries. Angewandte Chemie, 2020, 132, 542-546.	2.0	28
105	In-situ Raman spectroscopic investigation of LiMn1.45Ni0.45M0.1O4 (MÂ=ÂCr, Co) 5ÂV cathode materials. Journal of Power Sources, 2015, 298, 341-348.	7.8	27
106	Urchin-like Î±-MnO2 formed by nanoneedles for high-performance lithium batteries. Ionics, 2016, 22, 2263-2271.	2.4	27
107	Lithium Batteries. , 2016, , 29-68.		27
108	SnO2â€“MnO2 composite powders and their electrochemical properties. Journal of Power Sources, 2012, 202, 291-298.	7.8	26

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109	Studies of Spinel-to-Layered Structural Transformations in LiMn₂O₄ Electrodes Charged to High Voltages. Journal of Physical Chemistry C, 2017, 121, 9120-9130.	3.1	26
110	Novel nanomaterials based on electronic and mixed conductive glasses. Solid State Ionics, 2009, 180, 531-536.	2.7	24
111	Electrodeposition of Zr on graphite in molten fluorides. Journal of Fluorine Chemistry, 2011, 132, 1122-1126.	1.7	24
112	Structural and electrochemical properties of LiMoO2. Journal of Power Sources, 2012, 202, 314-321.	7.8	24
113	In-situ X-ray diffraction study of the phase evolution in undoped and Cr-doped LixMn1.5Ni0.5O4 (0.1Ââ‰ÂxÂâ‰Â1.0) 5-V cathode materials. Journal of Power Sources, 2013, 242, 236-243.	7.8	24
114	Nano-CoF 3 prepared by direct fluorination with F 2 gas: Application as electrode material in Li-ion battery. Journal of Fluorine Chemistry, 2017, 196, 117-127.	1.7	22
115	Electrochemical performance of nanosized MnO2 synthesized by redox route using biological reducing agents. Journal of Alloys and Compounds, 2018, 746, 227-237.	5.5	22
116	Lithium-Rich Cobalt-Free Manganese-Based Layered Cathode Materials for Li-Ion Batteries: Suppressing the Voltage Fading. Energies, 2020, 13, 3487.	3.1	22
117	Synthesis, structural and electrochemical properties of pulsed laser deposited Li(Ni,Co)O2 films. Journal of Power Sources, 2006, 159, 1310-1315.	7.8	21
118	Magnetic characterization of spinel. Journal of Physics and Chemistry of Solids, 2008, 69, 955-966.	4.0	21
119	Magnetic properties of LixNiyMnyCo1âˆ’2yO2 (0.2â‰1âˆ’2yâ‰0.5, 0â‰xâ‰1). Journal of Alloys and Compounds, 2012, 520, 42-51.	5.5	21
120	Improved electrochemical performance of LiNi0.5Mn0.5O2 by Li-enrichment and AlF3 coating. Materialia, 2019, 5, 100207.	2.7	21
121	Li₂TiO₃/Graphene and Li₂TiO₃/CNT Composites as Anodes for High Power Liâ€"Ion Batteries. ChemistrySelect, 2018, 3, 9150-9158.	1.5	20
122	Doped Nanoscale NMC333 as Cathode Materials for Li-Ion Batteries. Materials, 2019, 12, 2899.	2.9	20
123	Functional behavior of AlF₃ coatings for high-performance cathode materials for lithium-ion batteries. AIMS Materials Science, 2019, 6, 406-440.	1.4	20
124	Synthesis, characterization and electrochemical performance of Al-substituted Li2MnO3. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 201, 13-22.	3.5	19
125	Blend formed by oxygen deficient MoO 3âˆ'Î´ oxides as lithium-insertion compounds. Journal of Alloys and Compounds, 2016, 686, 744-752.	5.5	19
126	Ag-Modified LiMn2O4 Cathode for Lithium-Ion Batteries: Coating Functionalization. Energies, 2020, 13, 5194.	3.1	19

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127	Local structure and electrochemistry of LiNi y Mn y Co1â€‰âˆ’â€‰2y O2 electrode materials for Li-ion batteries. Ionics, 2008, 14, 89-97.	2.4	18
128	Self-assembled layer-by-layer partially reduced graphene oxideâ€“sulfur composites as lithiumâ€“sulfur battery cathodes. RSC Advances, 2018, 8, 3443-3452.	3.6	18
129	Pseudocapacitance controlled fast-charging and long-life lithium ion battery achieved via a 3D mutually embedded VPO4/rGO electrode. Journal of Alloys and Compounds, 2020, 812, 152135.	5.5	18
130	Nanoscience Supporting the Research on the Negative Electrodes of Li-Ion Batteries. Nanomaterials, 2015, 5, 2279-2301.	4.1	17
131	RF Sputter-Deposited Nanostructured CuO Films for Micro-Supercapacitors. Applied Nano, 2021, 2, 46-66.	2.0	17
132	Lithiated manganese oxide Li0.33MnO2 as an electrode material for lithium batteries. Journal of Power Sources, 2006, 159, 1365-1369.	7.8	16
133	New composite cathode material for Zn//MnO2 cells obtained by electro-deposition of polybithiophene on manganese dioxide particles. Solid State Ionics, 2011, 204-205, 53-60.	2.7	16
134	Olivine-Based Blended Compounds as Positive Electrodes for Lithium Batteries. Inorganics, 2016, 4, 17.	2.7	16
135	Synthesis of highly reproducible CdTe nanotubes on anodized alumina template and confinement study by photoluminescence and Raman spectroscopy. Journal of Alloys and Compounds, 2019, 809, 151765.	5.5	16
136	Li2TiO3/Ni foam composite as high-performance electrode for energy storage and conversion. Heliyon, 2019, 5, e02060.	3.2	16
137	Magnetic analysis of lamellar oxides for Li-ions batteries. Solid State Ionics, 2011, 188, 148-155.	2.7	15
138	Preparation and characterization of polybithiophene/Î²-MnO2 composite electrode for oxygen reduction. Ionics, 2011, 17, 239-246.	2.4	15
139	RF-sputtered LiCoO2 thick films: microstructure and electrochemical performance as cathodes in aqueous and nonaqueous microbatteries. Ionics, 2013, 19, 421-428.	2.4	15
140	MnO2 Nano-Rods Prepared by Redox Reaction as Cathodes in Lithium Batteries. ECS Transactions, 2013, 50, 125-130.	0.5	15
141	Structural properties and application in lithium cells of Li(Ni0.5Co0.5)1âˆ’Fe O2 (0Ââ‰ÂyÂâ‰Â0.25) prepared by solâ€“gel route: Doping optimization. Journal of Power Sources, 2016, 320, 168-179.	7.8	15
142	Transport Properties of Nanostructured Li2TiO3 Anode Material Synthesized by Hydrothermal Method. Sci, 2019, 1, 56.	3.0	15
143	Growth, characterization and performance of bulk and nanoengineered molybdenum oxides for electrochemical energy storage and conversion. Progress in Crystal Growth and Characterization of Materials, 2021, 67, 100533.	4.0	15
144	Ionic conduction and crystal structure of Î²-Pb1âˆ’xSnxF2 (xâ‰0.3). Solid State Ionics, 1998, 106, 291-299.	2.7	14

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145	Structural and electrochemical properties of LiNi1/3Co1/3Mn1/3O2 material prepared by a two-step synthesis via oxalate precursor. Ionics, 2012, 18, 1-9.	2.4	14
146	Surface modification of positive electrode materials for lithium-ion batteries. Thin Solid Films, 2014, 572, 200-207.	1.8	14
147	Olivine-Based Cathode Materials. Green Energy and Technology, 2015, , 25-65.	0.6	14
148	Influence of Ti and Zr dopants on the electrochemical performance of LiCoO2 film cathodes prepared by rf-magnetron sputtering. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 209, 30-36.	3.5	14
149	Amorphous Mo5O14-Type/Carbon Nanocomposite with Enhanced Electrochemical Capability for Lithium-Ion Batteries. Nanomaterials, 2020, 10, 8.	4.1	14
150	Nanotechnology of Positive Electrodes for Li-Ion Batteries. Inorganics, 2017, 5, 25.	2.7	12
151	TiO2 thin films on Au/Ti/SiO2/textured Si substrates as high capacity anode materials for Li-ion batteries. Ceramics International, 2020, 46, 10299-10308.	4.8	12
152	Nanostructured Molybdenum-Oxide Anodes for Lithium-Ion Batteries: An Outstanding Increase in Capacity. Nanomaterials, 2022, 12, 13.	4.1	12
153	Rechargeable lithium batteries for energy storage in smart grids. , 2015, , 319-351.		11
154	Tribute to John B. Goodenough: From Magnetism to Rechargeable Batteries. Advanced Energy Materials, 2021, 11, 2000773.	19.5	11
155	LiCo1âˆ’yMyO2 positive electrodes for rechargeable lithium batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 128, 138-150.	3.5	10
156	V-insertion in Li(Fe,Mn)FePO4. Journal of Power Sources, 2018, 383, 133-143.	7.8	9
157	Improved ion-diffusion assisted uniform growth of 1D CdS nanostructures for enhanced optical and energy storage properties. Applied Surface Science, 2020, 512, 145654.	6.1	9
158	Improvement of the rate property of LiMn1.45Ni0.45Cr0.1O4 cathode for Li-ion batteries. Electrochemistry Communications, 2014, 41, 64-67.	4.7	8
159	Nanostructured Graphene Oxide-Based Hybrids as Anodes for Lithium-Ion Batteries. Journal of Carbon Research, 2020, 6, 81.	2.7	8
160	MoSe2-WS2 Nanostructure for an Efficient Hydrogen Generation under White Light LED Irradiation. Nanomaterials, 2022, 12, 1160.	4.1	8
161	Diffusion of Li⁺ Ions in LiNi_{1/3}Mn_{1/3}Co_{1/3}O₂. ECS Transactions, 2011, 35, 89-94.	0.5	7
162	Effects of chelators on the structure and electrochemical properties of Li-rich Li1.2Ni0.13Co0.13Mn0.54O2 cathode materials. Journal of Solid State Electrochemistry, 2020, 24, 3157-3172.	2.5	7

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163	Smart materials for energy storage in Li-ion batteries. AIMS Materials Science, 2016, 3, 137-148.	1.4	7
164	Electro-synthesis, characterization and photoconducting performance of ITO/polybithiopheneâ€"MnO2 composite. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 208, 29-38.	3.5	6
165	Molybdenum-Suboxide Thin Films as Anode Layers in Planar Lithium Microbatteries. Electrochem, 2020, 1, 160-187.	3.3	6
166	Sonochemically synthesized nanostructured ternary electrode material for coin-cell-type supercapacitor applications. FlatChem, 2021, 30, 100304.	5.6	6
167	Synthesis, characterization and electrochemical properties of a novel triphosphate LiFe2P3O10. Electrochimica Acta, 2009, 54, 5500-5508.	5.2	5
168	Synthesis of High Surface Area Î±-KyMnO2 Nanoneedles Using Extract of Broccoli as Bioactive Reducing Agent and Application in Lithium Battery. Materials, 2020, 13, 1269.	2.9	5
169	Enhanced Electrochemical Performance of Li4Ti5O12 by Niobium Doping for Pseudocapacitive Applications. Micro, 2021, 1, 28-42.	2.0	5
170	Effect of Cationic (Na+) and Anionic (Fâ^') Co-Doping on the Structural and Electrochemical Properties of LiNi1/3Mn1/3Co1/3O2 Cathode Material for Lithium-Ion Batteries. International Journal of Molecular Sciences, 2022, 23, 6755.	4.1	5
171	Structure of LiFe2P3O10 studied by transmission electron microscopy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 135, 78-81.	3.5	4
172	Effect of Na Doping on the Electrochemical Performance of Li1.2Ni0.13Co0.13Mn0.54O2 Cathode for Lithium-Ion Batteries. Sustainable Chemistry, 2022, 3, 131-148.	4.7	4
173	Remedies to Avoid Failure Mechanisms of Lithium-Metal Anode in Li-Ion Batteries. Inorganics, 2022, 10, 5.	2.7	4
174	Magnetic properties of LiNi0.5Mn0.47Al0.03O2 as positive electrode for Li-ion batteries. Ionics, 2012, 18, 241-247.	2.4	3
175	Fluorosulfates and Fluorophosphates As New Cathode Materials for Lithium Ion Battery. , 2015, , 77-101.		3
176	Interface Kinetics Assisted Barrier Removal in Large Area 2D-WS2 Growth to Facilitate Mass Scale Device Production. Nanomaterials, 2021, 11, 220.	4.1	3
177	Relaxation of polaronic charge carriers in lithium manganese spinels. Journal of Non-Crystalline Solids, 2007, 353, 4384-4389.	3.1	2
178	LiNi0.33+Î´Mn0.33+Î´Co0.33-2Î´O2 (0.025 â‰¤ Î´ â‰¤ 0.075) Cathode Materials for Li-Ion Batteries: Electrochemical Features. ECS Transactions, 2011, 35, 135-139.	0.5	2
179	Structural and Electrochemical Properties of the High Ni Content Spinel LiNiMnO4. Electrochem, 2021, 2, 95-117.	3.3	2
180	LiNi0.33+Î´Mn0.33+Î´Co0.33-2Î´O2 (0.025 â‰¤ Î´ â‰¤ 0.075) Cathode Materials for Li-Ion Batteries: Local Structure. ECS Transactions, 2011, 35, 129-134.	0.5	1

#	Article	IF	Citations
181	Electrodeposition of Polypyrrole on CFx Powders Used as Cathode in Primary Lithium Battery. , 2015, , 237-260.		1
182	Anodes for Li-Ion Batteries. , 2016, , 323-429.		1
183	Fluoro-polyanionic Compounds. , 2016, , 269-293.		1
184	Basic Elements for Energy Storage and Conversion. , 2016, , 1-27.		1
185	Dynamic synthesis of CdTe NRs: Diameter dependent tuning of PL quenching efficiency for sensitive organic vapor detection. Journal of Alloys and Compounds, 2022, 901, 163663.	5.5	1