Christian M Julien

List of Publications by Citations

180 papers	8,472 citations	54 h-index	86 g-index
189 ext. papers	9,720 ext. citations	5.9 avg, IF	6.49 L-index

#	Paper	IF	Citations
180	Lattice vibrations of manganese oxides. Part I. Periodic structures. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2004**, 60, 689-700	4.4	659
179	Comparative Issues of Cathode Materials for Li-Ion Batteries. *Inorganics*, **2014**, 2, 132-154	2.9	277
178	Minimization of the cation mixing in Li1+x(NMC)1−xO2 as cathode material. *Journal of Power Sources*, **2010**, 195, 1292-1301	8.9	268
177	Safe and fast-charging Li-ion battery with long shelf life for power applications. *Journal of Power Sources*, **2011**, 196, 3949-3954	8.9	250
176	Challenges and issues facing lithium metal for solid-state rechargeable batteries. *Journal of Power Sources*, **2017**, 353, 333-342	8.9	218
175	Study of the Li-insertion/extraction process in LiFePO4/FePO4. *Journal of Power Sources*, **2009**, 187, 555-564	8.9	198
174	Lithium intercalated compounds. *Materials Science and Engineering Reports*, **2003**, 40, 47-102	30.9	176
173	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	3.1	168
172	Characterization of Na-based phosphate as electrode materials for electrochemical cells. *Journal of Power Sources*, **2011**, 196, 9612-9617	8.9	165
171	Review and analysis of nanostructured olivine-based lithium recheargeable batteries: Status and trends. *Journal of Power Sources*, **2013**, 232, 357-369	8.9	154
170	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	3.1	148
169	Structural, magnetic and electrochemical properties of lithium iron orthosilicate. *Journal of Power Sources*, **2006**, 160, 1381-1386	8.9	145
168	Nanostructured MnO2s Electrode Materials for Energy Storage. *Nanomaterials*, **2017**, 7,	5.4	128
167	Local structure and redox energies of lithium phosphates with olivine- and Nasicon-like structures. *Journal of Power Sources*, **2005**, 140, 370-375	8.9	116
166	Study of the surface modification of LiNi1/3Co1/3Mn1/3O2 cathode material for lithium ion battery. *Journal of Power Sources*, **2011**, 196, 8632-8637	8.9	114
165	Structure and electrochemistry of FePO4·2H2O hydrate. *Journal of Power Sources*, **2005**, 142, 279-284	8.9	112
164	Polypyrrole-covered MnO2 as electrode material for supercapacitor. *Journal of Power Sources*, **2013**, 240, 267-272	8.9	107

163	Synthesis and characterization of LiNi1/3Mn1/3Co1/3O2 by wet-chemical method. *Electrochimica Acta*, **2010**, 55, 6440-6449	6.7	106
162	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	3.1	102
161	Optimized electrochemical performance of LiFePO4 at 60°C with purity controlled by SQUID magnetometry. *Journal of Power Sources*, **2006**, 163, 560-566	8.9	101
160	Optical properties of thin semicontinuous gold films over a wavelength range of 2.5 to 500 microm. *Physical Review B*, **1992**, 46, 2503-2511	3.3	101
159	Cross-linking network based on Poly(ethylene oxide): Solid polymer electrolyte for room temperature lithium battery. *Journal of Power Sources*, **2019**, 420, 63-72	8.9	98
158	Advanced Electrodes for High Power Li-ion Batteries. *Materials*, **2013**, 6, 1028-1049	3.5	97
157	Aging of LiFePO4 upon exposure to H2O. *Journal of Power Sources*, **2008**, 185, 698-710	8.9	96
156	Building Better Batteries in the Solid State: A Review. *Materials*, **2019**, 12,	3.5	95
155	A comprehensive review of lithium salts and beyond for rechargeable batteries: Progress and perspectives. *Materials Science and Engineering Reports*, **2018**, 134, 1-21	30.9	95
154	Brief History of Early Lithium-Battery Development. *Materials*, **2020**, 13,	3.5	93
153	An improved high-power battery with increased thermal operating range: C□iFePO4//C□i4Ti5O12. *Journal of Power Sources*, **2012**, 216, 192-200	8.9	93
152	In operando scanning electron microscopy and ultraviolet□isible spectroscopy studies of lithium/sulfur cells using all solid-state polymer electrolyte. *Journal of Power Sources*, **2016**, 319, 247-254	8.9	92
151	Effect of nano LiFePO4 coating on LiMn1.5Ni0.5O4 5V cathode for lithium ion batteries. *Journal of Power Sources*, **2012**, 204, 127-132	8.9	78
150	Advances in lithium□ulfur batteries. *Materials Science and Engineering Reports*, **2017**, 121, 1-29	30.9	77
149	Lithium Batteries **2016**,		76
148	From Solid-Solution Electrodes and the Rocking-Chair Concept to Today's Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 534-538	16.4	76
147	Study of the nanosized Li2MnO3: Electrochemical behavior, structure, magnetic properties, and vibrational modes. *Electrochimica Acta*, **2013**, 97, 259-270	6.7	75
146	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	3.1	75

145	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	8.9	72
144	Sulfide and Oxide Inorganic Solid Electrolytes for All-Solid-State Li Batteries: A Review. *Nanomaterials*, **2020**, 10,	5.4	72
143	Constructing metal-free and cost-effective multifunctional separator for high-performance lithium-sulfur batteries. *Nano Energy*, **2019**, 59, 390-398	17.1	71
142	Chemical and electrochemical properties of molybdenum oxide thin films prepared by reactive pulsed-laser assisted deposition. *Chemical Physics Letters*, **2006**, 428, 114-118	2.5	69
141	Recent Progress on Organic Electrodes Materials for Rechargeable Batteries and Supercapacitors. *Materials*, **2019**, 12,	3.5	67
140	Aging of LiNi1/3Mn1/3Co1/3O2 cathode material upon exposure to H2O. *Journal of Power Sources*, **2011**, 196, 5102-5108	8.9	67
139	High Substitution Rate in TiO2 Anatase Nanoparticles with Cationic Vacancies for Fast Lithium Storage. *Chemistry of Materials*, **2015**, 27, 5014-5019	9.6	66
138	Structural and magnetic properties of Lix(MnyFe1−y)PO4 electrode materials for Li-ion batteries. *Journal of Power Sources*, **2009**, 189, 1154-1163	8.9	65
137	Optimization of Layered Cathode Materials for Lithium-Ion Batteries. *Materials*, **2016**, 9,	3.5	65
136	Structural studies of Li4/3Me5/3O4 (Me = Ti, Mn) electrode materials: local structure and electrochemical aspects. *Journal of Power Sources*, **2004**, 136, 72-79	8.9	64
135	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	8.9	63
134	Improvement of the electrochemical performance of nanosized □MnO2 used as cathode material for Li-batteries by Sn-doping. *Journal of Alloys and Compounds*, **2011**, 509, 9669-9674	5.7	56
133	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	3.1	56
132	Synthesis of pure phase disordered LiMn1.45Cr0.1Ni0.45O4 by a post-annealing method. *Journal of Power Sources*, **2012**, 217, 400-406	8.9	55
131	Study of Cathode Materials for Lithium-Ion Batteries: Recent Progress and New Challenges. *Inorganics*, **2017**, 5, 32	2.9	54
130	Electrochemical properties of nanofibers □MoO3 as cathode materials for Li batteries. *Journal of Power Sources*, **2012**, 219, 126-132	8.9	54
129	LiFePO4: From molten ingot to nanoparticles with high-rate performance in Li-ion batteries. *Journal of Power Sources*, **2010**, 195, 8280-8288	8.9	54
128	Magnetic properties of LiNi0.5Mn1.5O4 spinels prepared by wet chemical methods. *Journal of Magnetism and Magnetic Materials*, **2007**, 309, 100-105	2.8	54

127	Electrochemistry and local structure of nano-sized Li4/3Me5/3O4 (MeMn, Ti) spinels. *Electrochimica Acta*, **2004**, 50, 411-416	6.7	54
126	New advanced cathode material: LiMnPO4 encapsulated with LiFePO4. *Journal of Power Sources*, **2012**, 204, 177-181	8.9	52
125	Local structure of lithiated manganese oxides. *Solid State Ionics*, **2006**, 177, 11-19	3.3	50
124	In situ high-resolution transmission electron microscopy synthesis observation of nanostructured carbon coated LiFePO4. *Journal of Power Sources*, **2011**, 196, 7383-7394	8.9	47
123	Electrochemical and thermal characterization of lithium titanate spinel anode in C□iFePO4//C□i4Ti5O12 cells at sub-zero temperatures. *Journal of Power Sources*, **2014**, 248, 1050-1057	8.9	46
122	Structural, magnetic and electrochemical properties of LiNi0.5Mn0.5O2 as positive electrode for Li-ion batteries. *Electrochimica Acta*, **2007**, 52, 4092-4100	6.7	46
121	Synthesis, structural, magnetic and electrochemical properties of LiNi1/3Mn1/3Co1/3O2 prepared by a sol□el method using table sugar as chelating agent. *Electrochimica Acta*, **2013**, 113, 313-321	6.7	45
120	Tribute to Michel Armand: from Rocking Chair □Li-ion to Solid-State Lithium Batteries. *Journal of the Electrochemical Society*, **2020**, 167, 070507	3.9	45
119	Phase Transitions in Li2MnO3 Electrodes at Various States-of-Charge. *Electrochimica Acta*, **2014**, 123, 395-404	6.7	43
118	Synthesis, structure, magnetic, electrical and electrochemical properties of Al, Cu and Mg doped MnO2. *Materials Chemistry and Physics*, **2011**, 130, 33-38	4.4	42
117	Structure and electrochemistry of scaling nano C□iFePO4 synthesized by hydrothermal route: Complexing agent effect. *Journal of Power Sources*, **2012**, 214, 1-6	8.9	41
116	Improvements of the electrochemical features of graphite fluorides in primary lithium battery by electrodeposition of polypyrrole. *Electrochemistry Communications*, **2011**, 13, 1074-1076	5.1	41
115	Structural and electronic properties of the LiNiPO4 orthophosphate. *Ionics*, **2012**, 18, 625-633	2.7	39
114	Anatase TiO2 nanoparticles for lithium-ion batteries. *Ionics*, **2018**, 24, 2925-2934	2.7	38
113	Comparative studies of the phase evolution in M-doped LixMn1.5Ni0.5O4 (M = Co, Al, Cu and Mg) by in-situ X-ray diffraction. *Journal of Power Sources*, **2014**, 264, 290-298	8.9	37
112	Amorphous□rystalline transition studied in hydrated MoO3. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 135, 88-94	3.1	37
111	In situ Raman analyses of electrode materials for Li-ion batteries. *AIMS Materials Science*, **2018**, 5, 650-698	1.9	37
110	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	8.9	36

109	Stirring effect in hydrothermal synthesis of nano C-LiFePO4. *Journal of Power Sources*, **2014**, 266, 99-106	8.9	36
108	Nanosized silver-coated and doped manganese dioxide for rechargeable lithium batteries. *Solid State Ionics*, **2011**, 182, 108-115	3.3	34
107	DTA, FTIR and impedance spectroscopy studies on lithium iron phosphate glasses with olivine-like local structure. *Solid State Ionics*, **2008**, 179, 46-50	3.3	34
106	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	3.1	34
105	LiMn2yCoyO4 (0y1) intercalation compounds synthesized from wet-chemical route. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 129, 64-75	3.1	33
104	Pulsed Laser Deposited Films for Microbatteries. *Coatings*, **2019**, 9, 386	2.9	31
103	Structural properties and electrochemistry of LiFeO2. *Journal of Power Sources*, **2012**, 197, 285-291	8.9	31
102	Microstructural features of pulsed-laser deposited V2O5 thin films. *Applied Surface Science*, **2003**, 207, 135-138	6.7	31
101	Study of the local structure of LiNi0.33+Mn0.33+Co0.33O2 (0.025 0.075) oxides. *Journal of Alloys and Compounds*, **2012**, 528, 91-98	5.7	30
100	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	5.7	30
99	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	0.4	29
98	Study of Co-Sn and Ni-Sn alloys prepared in molten chlorides and used as negative electrode in rechargeable lithium battery. *Electrochimica Acta*, **2011**, 56, 2656-2664	6.7	28
97	V2O5 thin films for energy storage and conversion. *AIMS Materials Science*, **2018**, 5, 349-401	1.9	28
96	Lithium reactivity with III-VI layered compounds. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2003**, 100, 263-270	3.1	27
95	Crystallinity of nano C-LiFePO4 prepared by the polyol process. *Journal of Power Sources*, **2012**, 217, 220-228	8.9	26
94	De-intercalation of LixCo0.8Mn0.2O2: A magnetic approach. *Journal of Power Sources*, **2011**, 196, 6440-6448	8.9	26
93	O Adsorption Associated with Sulfur Vacancies on MoS Microspheres. *Inorganic Chemistry*, **2019**, 58, 2169-2176	3.1	25
92	Lattice vibrations of materials for lithium rechargeable batteries: II. Lithium extraction-insertion in spinel structures. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology* , **2004**, 108, 179-186	3.1	25

91	Disorder in LixFePO4: From glasses to nanocrystallites. *Journal of Non-Crystalline Solids*, **2008**, 354, 1915-1925	3.9	24
90	Li(Ni,Co)PO4 as cathode materials for lithium batteries: Will the dream come true?. *Current Opinion in Electrochemistry*, **2017**, 6, 63-69	7.2	23
89	Sputtered LiCoO Cathode Materials for All-solid-state Thin-film Lithium Microbatteries. *Materials*, **2019**, 12,	3.5	23
88	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	6.7	23
87	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	8.9	22
86	Urchin-like □MnO2 formed by nanoneedles for high-performance lithium batteries. *Ionics*, **2016**, 22, 2263-2271	2.7	22
85	SnO2□MnO2 composite powders and their electrochemical properties. *Journal of Power Sources*, **2012**, 202, 291-298	8.9	22
84	Structural and electrochemical properties of LiMoO2. *Journal of Power Sources*, **2012**, 202, 314-321	8.9	21
83	Electrodeposition of Zr on graphite in molten fluorides. *Journal of Fluorine Chemistry*, **2011**, 132, 1122-1126	2.1	21
82	NCA, NCM811, and the Route to Ni-Richer Lithium-Ion Batteries. *Energies*, **2020**, 13, 6363	3.1	21
81	Olivine Positive Electrodes for Li-Ion Batteries: Status and Perspectives. *Batteries*, **2018**, 4, 39	5.7	20
80	Novel nanomaterials based on electronic and mixed conductive glasses. *Solid State Ionics*, **2009**, 180, 531-536	3.3	20
79	Composite anodes for lithium-ion batteries: status and trends. *AIMS Materials Science*, **2016**, 3, 1054-1106	2.9	20
78	In-situ Raman spectroscopic investigation of LiMn1.45Ni0.45M0.1O4 (M = Cr, Co) 5 V cathode materials. *Journal of Power Sources*, **2015**, 298, 341-348	8.9	19
77	A polypyrrole/black-TiO2/S double-shelled composite fixing polysulfides for lithium-sulfur batteries. *Electrochimica Acta*, **2020**, 353, 136529	6.7	19
76	In-situ X-ray diffraction study of the phase evolution in undoped and Cr-doped LixMn1.5Ni0.5O4 (0.1 □x □1.0) 5-V cathode materials. *Journal of Power Sources*, **2013**, 242, 236-243	8.9	19
75	State-of-the-Art Electrode Materials for Sodium-Ion Batteries. *Materials*, **2020**, 13,	3.5	19
74	Studies of Spinel-to-Layered Structural Transformations in LiMn2O4 Electrodes Charged to High Voltages. *Journal of Physical Chemistry C*, **2017**, 121, 9120-9130	3.8	18

73	Magnetic properties of LixNiyMnyCo1−2yO2 (0.2≤y≤0.5, 0≤x≤1). *Journal of Alloys and Compounds*, **2012**, 520, 42-51	5.7	18
72	LiCo1−yByO2 As Cathode Materials for Rechargeable Lithium Batteries. *Chemistry of Materials*, **2011**, 23, 208-218	9.6	17
71	Magnetic characterization of Li1+xMn2-xO4 spinel (0?x?13). *Journal of Physics and Chemistry of Solids*, **2008**, 69, 955-966	3.9	17
70	Local structure and electrochemistry of LiNi y Mn y Co1 −2y O2 electrode materials for Li-ion batteries. *Ionics*, **2008**, 14, 89-97	2.7	17
69	Modulating molecular orbital energy level of lithium polysulfide for high-rate and long-life lithium-sulfur batteries. *Energy Storage Materials*, **2020**, 24, 373-378	19.4	17
68	Lithium Batteries **2016**, 29-68		16
67	Synthesis, characterization and electrochemical performance of Al-substituted Li2MnO3. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2015**, 201, 13-22	3.1	16
66	Electrochemical performance of nanosized MnO2 synthesized by redox route using biological reducing agents. *Journal of Alloys and Compounds*, **2018**, 746, 227-237	5.7	16
65	Nanoscience Supporting the Research on the Negative Electrodes of Li-Ion Batteries. *Nanomaterials*, **2015**, 5, 2279-2301	5.4	16
64	Lithiated manganese oxide Li0.33MnO2 as an electrode material for lithium batteries. *Journal of Power Sources*, **2006**, 159, 1365-1369	8.9	16
63	Blend formed by oxygen deficient MoO3−x oxides as lithium-insertion compounds. *Journal of Alloys and Compounds*, **2016**, 686, 744-752	5.7	15
62	RF-sputtered LiCoO2 thick films: microstructure and electrochemical performance as cathodes in aqueous and nonaqueous microbatteries. *Ionics*, **2013**, 19, 421-428	2.7	15
61	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	2.1	15
60	Synthesis, structural and electrochemical properties of pulsed laser deposited Li(Ni,Co)O2 films. *Journal of Power Sources*, **2006**, 159, 1310-1315	8.9	15
59	Functional behavior of AlF3 coatings for high-performance cathode materials for lithium-ion batteries. *AIMS Materials Science*, **2019**, 6, 406-440	1.9	15
58	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	3.3	14
57	Magnetic analysis of lamellar oxides for Li-ions batteries. *Solid State Ionics*, **2011**, 188, 148-155	3.3	14
56	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	3.1	13

55	Li2TiO3/Graphene and Li2TiO3/CNT Composites as Anodes for High Power Li□on Batteries. *ChemistrySelect*, **2018**, 3, 9150-9158	1.8	13
54	Surface modification of positive electrode materials for lithium-ion batteries. *Thin Solid Films*, **2014**, 572, 200-207	2.2	13
53	MnO2 Nano-Rods Prepared by Redox Reaction as Cathodes in Lithium Batteries. *ECS Transactions*, **2013**, 50, 125-130	1	13
52	Ionic conduction and crystal structure of □Pb1□SnxF2 (x□0.3). *Solid State Ionics*, **1998**, 106, 291-299	3.3	13
51	Structural properties and application in lithium cells of Li(Ni0.5Co0.5)1□FeyO2 (0 □ y □ 0.25) prepared by sol□gel route: Doping optimization. *Journal of Power Sources*, **2016**, 320, 168-179	8.9	13
50	Improved electrochemical performance of LiNi0.5Mn0.5O2 by Li-enrichment and AlF3 coating. *Materialia*, **2019**, 5, 100207	3.2	13
49	□olymer-in-ceramic□based poly(□caprolactone)/ceramic composite electrolyte for all-solid-state batteries. *Journal of Energy Chemistry*, **2021**, 52, 318-325	12	13
48	Structural and electrochemical properties of LiNi1/3Co1/3Mn1/3O2 material prepared by a two-step synthesis via oxalate precursor. *Ionics*, **2012**, 18, 1-9	2.7	12
47	Preparation and characterization of polybithiophene/□MnO2 composite electrode for oxygen reduction. *Ionics*, **2011**, 17, 239-246	2.7	12
46	From Solid-Solution Electrodes and the Rocking-Chair Concept to Today's Batteries. *Angewandte Chemie*, **2020**, 132, 542-546	3.6	12
45	Doped Nanoscale NMC333 as Cathode Materials for Li-Ion Batteries. *Materials*, **2019**, 12,	3.5	11
44	Self-assembled layer-by-layer partially reduced graphene oxide-sulfur composites as lithium-sulfur battery cathodes.. *RSC Advances*, **2018**, 8, 3443-3452	3.7	11
43	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	5.7	11
42	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	5.7	11
41	Nanotechnology of Positive Electrodes for Li-Ion Batteries. *Inorganics*, **2017**, 5, 25	2.9	10
40	LiCo1□MyO2 positive electrodes for rechargeable lithium batteries. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 128, 138-150	3.1	10
39	Olivine-Based Blended Compounds as Positive Electrodes for Lithium Batteries. *Inorganics*, **2016**, 4, 17	2.9	10
38	Olivine-Based Cathode Materials. *Green Energy and Technology*, **2015**, 25-65	0.6	9

37	LiTiO/Ni foam composite as high-performance electrode for energy storage and conversion. *Heliyon*, **2019**, 5, e02060	3.6	9
36	Recent trends in silicon/graphene nanocomposite anodes for lithium-ion batteries. *Journal of Power Sources*, **2021**, 501, 229709	8.9	9
35	Rechargeable lithium batteries for energy storage in smart grids **2015**, 319-351		8
34	Improved ion-diffusion assisted uniform growth of 1D CdS nanostructures for enhanced optical and energy storage properties. *Applied Surface Science*, **2020**, 512, 145654	6.7	8
33	Lithium-Rich Cobalt-Free Manganese-Based Layered Cathode Materials for Li-Ion Batteries: Suppressing the Voltage Fading. *Energies*, **2020**, 13, 3487	3.1	7
32	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	5.1	7
31	V-insertion in Li(Fe,Mn)FePO4. *Journal of Power Sources*, **2018**, 383, 133-143	8.9	6
30	Improvement of the rate property of LiMn1.45Ni0.45Cr0.1O4 cathode for Li-ion batteries. *Electrochemistry Communications*, **2014**, 41, 64-67	5.1	6
29	Tribute to John B. Goodenough: From Magnetism to Rechargeable Batteries. *Advanced Energy Materials*, **2021**, 11, 2000773	21.8	6
28	RF Sputter-Deposited Nanostructured CuO Films for Micro-Supercapacitors. *Applied Nano*, **2021**, 2, 46-66		6
27	Transport Properties of Nanostructured Li2TiO3 Anode Material Synthesized by Hydrothermal Method. *Sci*, **2019**, 1, 56	0.7	5
26	Synthesis, characterization and electrochemical properties of a novel triphosphate LiFe2P3O10. *Electrochimica Acta*, **2009**, 54, 5500-5508	6.7	5
25	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	2.6	5
24	Ag-Modified LiMn2O4 Cathode for Lithium-Ion Batteries: Coating Functionalization. *Energies*, **2020**, 13, 5194	3.1	4
23	Electro-synthesis, characterization and photoconducting performance of ITO/polybithiophene/MnO2 composite. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2016**, 208, 29-38	3.1	4
22	Structure of LiFe2P3O10 studied by transmission electron microscopy. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2006**, 135, 78-81	3.1	4
21	Smart materials for energy storage in Li-ion batteries. *AIMS Materials Science*, **2016**, 3, 137-148	1.9	4
20	Nanostructured Graphene Oxide-Based Hybrids as Anodes for Lithium-Ion Batteries. *Journal of Carbon Research*, **2020**, 6, 81	3.3	4

19	Synthesis of High Surface Area KMnO Nanoneedles Using Extract of Broccoli as Bioactive Reducing Agent and Application in Lithium Battery. *Materials*, **2020**, 13,	3.5	3
18	Molybdenum-Suboxide Thin Films as Anode Layers in Planar Lithium Microbatteries. *Electrochem*, **2020**, 1, 160-187	2.9	3
17	Amorphous MoO-Type/Carbon Nanocomposite with Enhanced Electrochemical Capability for Lithium-Ion Batteries. *Nanomaterials*, **2019**, 10,	5.4	3
16	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	3.5	3
15	Magnetic properties of LiNi0.5Mn0.47Al0.03O2 as positive electrode for Li-ion batteries. *Ionics*, **2012**, 18, 241-247	2.7	2
14	Diffusion of Li+ Ions in LiNi1/3Mn1/3Co1/3O2. *ECS Transactions*, **2011**, 35, 89-94	1	2
13	Relaxation of polaronic charge carriers in lithium manganese spinels. *Journal of Non-Crystalline Solids*, **2007**, 353, 4384-4389	3.9	2
12	Enhanced Electrochemical Performance of Li4Ti5O12 by Niobium Doping for Pseudocapacitive Applications. *Micro*, **2021**, 1, 28-42		2
11	Fluoro-polyanionic Compounds **2016**, 269-293		1
10	Fluorosulfates and Fluorophosphates As New Cathode Materials for Lithium Ion Battery **2015**, 77-101		1
9	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	5.7	1
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