

Jeff Dahn

List of Publications by Year in descending order

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papers

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citations

813

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589
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589
docs citations

589
times ranked

22847
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms for Lithium Insertion in Carbonaceous Materials. Science, 1995, 270, 590-593.	6.0	1,900
2	Electrochemical and In Situ X-Ray Diffraction Studies of Lithium Intercalation in Li_xCoO_2 . Journal of the Electrochemical Society, 1992, 139, 2091-2097.	1.3	1,541
3	Electrochemical and In Situ X-Ray Diffraction Studies of the Reaction of Lithium with Tin Oxide Composites. Journal of the Electrochemical Society, 1997, 144, 2045-2052.	1.3	1,360
4	High Capacity Anode Materials for Rechargeable Sodium-Ion Batteries. Journal of the Electrochemical Society, 2000, 147, 1271.	1.3	1,353
5	Studies of Lithium Intercalation into Carbons Using Nonaqueous Electrochemical Cells. Journal of the Electrochemical Society, 1990, 137, 2009-2013.	1.3	1,255
6	The Mechanisms of Lithium and Sodium Insertion in Carbon Materials. Journal of the Electrochemical Society, 2001, 148, A803.	1.3	1,115
7	Colossal Reversible Volume Changes in Lithium Alloys. Electrochemical and Solid-State Letters, 2001, 4, A137.	2.2	1,076
8	Synthesis and Electrochemistry of $\text{LiNi}_x\text{Mn}_{2-x}\text{O}_4$. Journal of the Electrochemical Society, 1997, 144, 205-213.	1.3	1,048
9	In Situ XRD and Electrochemical Study of the Reaction of Lithium with Amorphous Silicon. Journal of the Electrochemical Society, 2004, 151, A838.	1.3	968
10	Understanding the Anomalous Capacity of $\text{Li/Li}[\text{Ni}_{1-x}\text{Li}_{1/3-2x/3}]\text{Mn}_{2/3-x/3}\text{O}_2$ Cells Using In Situ X-Ray Diffraction and Electrochemical Studies. Journal of the Electrochemical Society, 2002, 149, A815.	1.3	932
11	Layered Cathode Materials $\text{Li}[\text{Ni}_{1-x}\text{Li}_{1/3-2x/3}]\text{Mn}_{2/3-x/3}\text{O}_2$ for Lithium-Ion Batteries. Electrochemical and Solid-State Letters, 2001, 4, A191.	2.2	856
12	Synthesis, Structure, and Electrochemical Behavior of $\text{Li}[\text{Ni}_{1-x}\text{Li}_{1/3-2x/3}]\text{Mn}_{2/3-x/3}\text{O}_2$. Journal of the Electrochemical Society, 2002, 149, A778.	1.3	843
13	Phase diagram of Li_xC_6 . Physical Review B, 1991, 44, 9170-9177.	1.1	815
14	An In Situ X-Ray Diffraction Study of the Reaction of Li with Crystalline Si. Journal of the Electrochemical Society, 2007, 154, A156.	1.3	762
15	Mechanism of lithium insertion in hard carbons prepared by pyrolysis of epoxy resins. Carbon, 1996, 34, 193-200.	5.4	635
16	In Situ X-Ray Diffraction Study of $\text{P2-Na}_{2/3}[\text{Ni}_{1/3}\text{Mn}_{2/3}]\text{O}_2$. Journal of the Electrochemical Society, 2001, 148, A1225.	1.3	606
17	Long cycle life and dendrite-free lithium morphology in anode-free lithium pouch cells enabled by a dual-salt liquid electrolyte. Nature Energy, 2019, 4, 683-689.	19.8	603
18	Key Factors Controlling the Reversibility of the Reaction of Lithium with SnO_2 and Sn_2BPO_6 Glass. Journal of the Electrochemical Society, 1997, 144, 2943-2948.	1.3	601

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19	Rechargeable LiNiO ₂ /Carbon Cells. Journal of the Electrochemical Society, 1991, 138, 2207-2211.	1.3	593
20	Sodium Carboxymethyl Cellulose. Electrochemical and Solid-State Letters, 2007, 10, A17.	2.2	555
21	Layered Li[Ni _x Co _{1-2x} Mn _x]O ₂ Cathode Materials for Lithium-Ion Batteries. Electrochemical and Solid-State Letters, 2001, 4, A200.	2.2	532
22	Reaction of Li with Alloy Thin Films Studied by In Situ AFM. Journal of the Electrochemical Society, 2003, 150, A1457.	1.3	530
23	Accelerating Rate Calorimetry Study on the Thermal Stability of Lithium Intercalated Graphite in Electrolyte. I. Experimental. Journal of the Electrochemical Society, 1999, 146, 2068-2077.	1.3	473
24	Alloy Design for Lithium-Ion Battery Anodes. Journal of the Electrochemical Society, 2007, 154, A849.	1.3	463
25	Methods to obtain excellent capacity retention in LiCoO ₂ cycled to 4.5 V. Electrochimica Acta, 2004, 49, 1079-1090.	2.6	422
26	Study of the Failure Mechanisms of LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ Cathode Material for Lithium Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A1401-A1408.	1.3	410
27	Thermal Model of Cylindrical and Prismatic Lithium-Ion Cells. Journal of the Electrochemical Society, 2001, 148, A755.	1.3	401
28	Mechanically Alloyed Sn-Fe Powders as Anode Materials for Li-Ion Batteries: I. The Sn ₂ Fe-C System. Journal of the Electrochemical Society, 1999, 146, 405-413.	1.3	387
29	A comparison of the electrode/electrolyte reaction at elevated temperatures for various Li-ion battery cathodes. Journal of Power Sources, 2002, 108, 8-14.	4.0	365
30	Structure and Electrochemistry of Li[Ni _x Co _{1-2x} Mn _x]O ₂ (0 ≤ x ≤ 1/2). Journal of the Electrochemical Society, 2002, 149, A1332.	1.3	353
31	On the Aggregation of Tin in SnO Composite Glasses Caused by the Reversible Reaction with Lithium. Journal of the Electrochemical Society, 1999, 146, 59-68.	1.3	320
32	Synthesis and Characterization of Li _{1-x} Mn _{2x} O ₄ for Li-Ion Battery Applications. Journal of the Electrochemical Society, 1996, 143, 100-114.	1.3	311
33	Diagnosing and correcting anode-free cell failure via electrolyte and morphological analysis. Nature Energy, 2020, 5, 693-702.	19.8	303
34	Lithium Insertion in High Capacity Carbonaceous Materials. Journal of the Electrochemical Society, 1995, 142, 2581-2590.	1.3	294
35	Precision Measurements of the Coulombic Efficiency of Lithium-Ion Batteries and of Electrode Materials for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2010, 157, A196.	1.3	294
36	A Wide Range of Testing Results on an Excellent Lithium-Ion Cell Chemistry to be used as Benchmarks for New Battery Technologies. Journal of the Electrochemical Society, 2019, 166, A3031-A3044.	1.3	286

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37	Comparison of Single Crystal and Polycrystalline $\text{LiNi}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}\text{O}_2$ Positive Electrode Materials for High Voltage Li-Ion Cells. Journal of the Electrochemical Society, 2017, 164, A1534-A1544.	1.3	280
38	Lithium Insertion in Carbons Containing Nanodispersed Silicon. Journal of the Electrochemical Society, 1995, 142, 326-332.	1.3	274
39	An In Situ Small-Angle X-Ray Scattering Study of Sodium Insertion into a Nanoporous Carbon Anode Material within an Operating Electrochemical Cell. Journal of the Electrochemical Society, 2000, 147, 4428.	1.3	269
40	Predicting and Extending the Lifetime of Li-Ion Batteries. Journal of the Electrochemical Society, 2013, 160, A1451-A1456.	1.3	261
41	Is Cobalt Needed in Ni-Rich Positive Electrode Materials for Lithium Ion Batteries?. Journal of the Electrochemical Society, 2019, 166, A429-A439.	1.3	259
42	Ab initio calculation of the lithium-tin voltage profile. Physical Review B, 1998, 58, 15583-15588.	1.1	254
43	Thermal degradation of the support in carbon-supported platinum electrocatalysts for PEM fuel cells. Carbon, 2005, 43, 179-188.	5.4	254
44	Ex Situ and In Situ Stability Studies of PEMFC Catalysts. Journal of the Electrochemical Society, 2005, 152, A2309.	1.3	251
45	Structure and electrochemistry of $\text{Li Mn Ni}_{1-x}\text{O}_2$. Solid State Ionics, 1992, 57, 311-318.	1.3	250
46	ARC studies of the thermal stability of three different cathode materials: LiCoO_2 ; $\text{Li}[\text{Ni}_{0.1}\text{Co}_{0.8}\text{Mn}_{0.1}]\text{O}_2$; and LiFePO_4 , in LiPF_6 and LiBoB EC/DEC electrolytes. Electrochemistry Communications, 2004, 6, 39-43.	2.3	250
47	In-Situ Detection of Lithium Plating Using High Precision Coulometry. Journal of the Electrochemical Society, 2015, 162, A959-A964.	1.3	247
48	Interpreting High Precision Coulometry Results on Li-ion Cells. Journal of the Electrochemical Society, 2011, 158, A1136-A1142.	1.3	246
49	Staging Phase Transitions in Li_xCoO_2 . Journal of the Electrochemical Society, 2002, 149, A1604.	1.3	242
50	A Guide to Li-Ion Coin-Cell Electrode Making for Academic Researchers. Journal of the Electrochemical Society, 2011, 158, A51.	1.3	240
51	The Reaction of Charged Cathodes with Nonaqueous Solvents and Electrolytes: I. $\text{Li}_{0.5}\text{CoO}_2$. Journal of the Electrochemical Society, 2001, 148, A1205.	1.3	234
52	A High Precision Coulometry Study of the SEI Growth in Li/Graphite Cells. Journal of the Electrochemical Society, 2011, 158, A447.	1.3	228
53	Lack of Cation Clustering in $\text{Li}[\text{Ni}_x\text{Li}_{1/3-2x/3}\text{Mn}_{2/3-x/3}]\text{O}_2$ ($0 < x \leq 1/2$) and $\text{Li}[\text{Cr}_x\text{Li}_{1-x}/3\text{Mn}_{(2-2x)/3}]\text{O}_2$ ($0 < x \leq 1$). Journal of the Electrochemical Society, 2010, 157, A1000.	3.2	206
54	Study of Irreversible Capacities for Li Insertion in Hard and Graphitic Carbons. Journal of the Electrochemical Society, 1997, 144, 1195-1201.	1.3	205

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55	An Unavoidable Challenge for Ni-Rich Positive Electrode Materials for Lithium-Ion Batteries. Chemistry of Materials, 2019, 31, 7574-7583.	3.2	205
56	The reactivity of delithiated Li(Ni _{1/3} Co _{1/3} Mn _{1/3})O ₂ , Li(Ni _{0.8} Co _{0.15} Al _{0.05})O ₂ or LiCoO ₂ with non-aqueous electrolyte. Electrochemistry Communications, 2007, 9, 2534-2540.	2.3	202
57	The “falling cards model” for the structure of microporous carbons. Carbon, 1997, 35, 825-830.	5.4	201
58	Lithium Insertion in Hydrogen-Containing Carbonaceous Materials. Chemistry of Materials, 1996, 8, 389-393.	3.2	200
59	Synthesis of Single Crystal LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂ with Enhanced Electrochemical Performance for Lithium Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A1038-A1045.	1.3	199
60	Hysteresis during Lithium Insertion in Hydrogen-Containing Carbons. Journal of the Electrochemical Society, 1996, 143, 2137-2145.	1.3	198
61	Updating the Structure and Electrochemistry of Li _x NiO ₂ for 0 ≤ x ≤ 1. Journal of the Electrochemical Society, 2018, 165, A2985-A2993.	1.3	194
62	Mechanically Alloyed Sn-Fe Powders as Anode Materials for Li-Ion Batteries: III. Sn ₂ Fe ₃ SnFe ₃ C Active/Inactive Composites. Journal of the Electrochemical Society, 1999, 146, 423-427.	1.3	190
63	Analysis of the Growth Mechanism of Coprecipitated Spherical and Dense Nickel, Manganese, and Cobalt-Containing Hydroxides in the Presence of Aqueous Ammonia. Chemistry of Materials, 2009, 21, 1500-1503.	3.2	190
64	Exploring the Impact of Mechanical Pressure on the Performance of Anode-Free Lithium Metal Cells. Journal of the Electrochemical Society, 2019, 166, A1291-A1299.	1.3	189
65	Synthesis and Electrochemical Studies of LiMnO ₂ Prepared at Low Temperatures. Journal of the Electrochemical Society, 1993, 140, 3396-3401.	1.3	188
66	Conductivity of electrolytes for rechargeable lithium batteries. Journal of Power Sources, 1991, 35, 59-82.	4.0	185
67	In Situ X-Ray Study of the Electrochemical Reaction of Li with ⁶³ Cu[Sn ₆]. Journal of the Electrochemical Society, 2000, 147, 1658.	1.3	185
68	Lithium-Ion Cells with Aqueous Electrolytes. Journal of the Electrochemical Society, 1995, 142, 1742-1746.	1.3	183
69	Accelerating rate calorimetry studies of the reactions between ionic liquids and charged lithium ion battery electrode materials. Electrochimica Acta, 2007, 52, 6346-6352.	2.6	183
70	NaCrO ₂ is a Fundamentally Safe Positive Electrode Material for Sodium-Ion Batteries with Liquid Electrolytes. Electrochemical and Solid-State Letters, 2012, 15, A1.	2.2	182
71	Lithium Intercalation from Aqueous Solutions. Journal of the Electrochemical Society, 1994, 141, 2310-2316.	1.3	181
72	Layered LiMnO ₂ with the O ₂ Structure: A Cathode Material for Li-Ion Cells Which Does Not Convert to Spinel. Journal of the Electrochemical Society, 1999, 146, 3560-3565.	1.3	179

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73	First Principles Model of Amorphous Silicon Lithiation. Journal of the Electrochemical Society, 2009, 156, A454.	1.3	177
74	Electrolyte Design for Fast-Charging Li-Ion Batteries. Trends in Chemistry, 2020, 2, 354-366.	4.4	177
75	User-Friendly Differential Voltage Analysis Freeware for the Analysis of Degradation Mechanisms in Li-Ion Batteries. Journal of the Electrochemical Society, 2012, 159, A1405-A1409.	1.3	175
76	The Electrochemical Reaction of Li with Amorphous Si-Sn Alloys. Journal of the Electrochemical Society, 2003, 150, A149.	1.3	174
77	Accelerating Rate Calorimetry Study on the Thermal Stability of Lithium Intercalated Graphite in Electrolyte. II. Modeling the Results and Predicting Differential Scanning Calorimeter Curves. Journal of the Electrochemical Society, 1999, 146, 2078-2084.	1.3	173
78	Lithium polyacrylate as a binder for tin-cobalt-carbon negative electrodes in lithium-ion batteries. Electrochimica Acta, 2010, 55, 2991-2995.	2.6	172
79	Structure and Electrochemistry of Layered $\text{Li}[\text{Cr}_{\text{x}}\text{Li}_{(1/3-x/3)}\text{Mn}_{(2/3-2x/3)}]\text{O}_{\text{2}}$. Journal of the Electrochemical Society, 2002, 149, A1454.	1.3	171
80	Understanding Anomalous Behavior in Coulombic Efficiency Measurements on Li-Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A278-A283.	1.3	171
81	Crystal structure of $\text{Li}_x\text{Ni}_{2-x}\text{O}_2$ and a lattice-gas model for the order-disorder transition. Physical Review B, 1992, 46, 3236-3246.	1.1	168
82	The Effect of Boron Substitution in Carbon on the Intercalation of Lithium in $\text{Li}_x\text{C}_{1-x}\text{B}_x$. Journal of the Electrochemical Society, 1994, 141, 907-912.	1.3	168
83	First principles study of Li-Si crystalline phases: Charge transfer, electronic structure, and lattice vibrations. Journal of Alloys and Compounds, 2010, 496, 25-36.	2.8	165
84	Economical Sputtering System To Produce Large-Size Composition-Spread Libraries Having Linear and Orthogonal Stoichiometry Variations. Chemistry of Materials, 2002, 14, 3519-3523.	3.2	162
85	Dramatic Effect of Oxidation on Lithium Insertion in Carbons Made from Epoxy Resins. Journal of the Electrochemical Society, 1995, 142, 3668-3677.	1.3	161
86	The Impact of Electrolyte Additives and Upper Cut-off Voltage on the Formation of a Rocksalt Surface Layer in $\text{LiNi}_{0.8}\text{Mn}_{0.1}\text{Co}_{0.1}\text{O}_2$ Electrodes. Journal of the Electrochemical Society, 2017, 164, A655-A665.	1.3	161
87	Mechanically Alloyed Sn-Fe Powders as Anode Materials for Li-Ion Batteries: II. The Sn-Fe System. Journal of the Electrochemical Society, 1999, 146, 414-422.	1.3	159
88	The Reactions of $\text{Li}_{0.5}\text{CoO}_2$ with Nonaqueous Solvents at Elevated Temperatures. Journal of the Electrochemical Society, 2002, 149, A912.	1.3	158
89	Optimizing Pyrolysis of Sugar Carbons for Use as Anode Materials in Lithium-Ion Batteries. Journal of the Electrochemical Society, 1996, 143, 3046-3052.	1.3	157
90	Combinatorial Study of $\text{Sn}_{1-x}\text{Co}_x\text{O}$ ($0 < x < 0.6$) and $[\text{Sn}_{0.55}\text{Co}_{0.45}]_{1-y}\text{C}_y$ ($0 < y < 0.5$) Alloy Negative Electrode Materials for Li-Ion Batteries. Journal of the Electrochemical Society, 2006, 153, A361.	1.3	157

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91	Pyrolyzed Polysiloxanes for Use as Anode Materials in Lithium-Ion Batteries. Journal of the Electrochemical Society, 1997, 144, 2410-2416.	1.3	155
92	An Apparatus for the Study of In Situ Gas Evolution in Li-Ion Pouch Cells. Journal of the Electrochemical Society, 2014, 161, A1548-A1554.	1.3	155
93	Dielectric Constants for Quantum Chemistry and Li-Ion Batteries: Solvent Blends of Ethylene Carbonate and Ethyl Methyl Carbonate. Journal of Physical Chemistry C, 2015, 119, 22322-22330.	1.5	154
94	Ultrasonic Scanning to Observe Wetting and “Unwetting” in Li-Ion Pouch Cells. Joule, 2020, 4, 2017-2029.	11.7	152
95	Comparison of the Reactivity of Various Carbon Electrode Materials with Electrolyte at Elevated Temperature. Journal of the Electrochemical Society, 1999, 146, 3596-3602.	1.3	149
96	A Study of the Physical Properties of Li-Ion Battery Electrolytes Containing Esters. Journal of the Electrochemical Society, 2018, 165, A21-A30.	1.3	149
97	Operando decoding of chemical and thermal events in commercial Na(Li)-ion cells via optical sensors. Nature Energy, 2020, 5, 674-683.	19.8	149
98	A High Precision Study of the Coulombic Efficiency of Li-Ion Batteries. Electrochemical and Solid-State Letters, 2010, 13, A177.	2.2	147
99	Chemical Overcharge and Overdischarge Protection for Lithium-Ion Batteries. Electrochemical and Solid-State Letters, 2005, 8, A59.	2.2	144
100	Synthesis of Single Crystal $\text{LiNi}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}\text{O}_2$ for Lithium Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A3529-A3537.	1.3	143
101	Operando Pressure Measurements Reveal Solid Electrolyte Interphase Growth to Rank Li-Ion Cell Performance. Joule, 2019, 3, 745-761.	11.7	141
102	Correlation Between Lithium Intercalation Capacity and Microstructure in Hard Carbons. Journal of the Electrochemical Society, 1996, 143, 3482-3491.	1.3	140
103	Tin-based materials as negative electrodes for Li-ion batteries: Combinatorial approaches and mechanical methods. International Journal of Energy Research, 2010, 34, 535-555.	2.2	140
104	The Use of Elevated Temperature Storage Experiments to Learn about Parasitic Reactions in Wound LiCoO_2 -Graphite Cells. Journal of the Electrochemical Society, 2011, 158, A1194.	1.3	139
105	In Situ X-ray Diffraction Study of Layered $\text{Li}^{+}\text{Ni}^{2+}\text{Mn}^{4+}\text{Co}$ Oxides: Effect of Particle Size and Structural Stability of Core-Shell Materials. Chemistry of Materials, 2016, 28, 162-171.	3.2	139
106	Layered T2-, O6-, O2-, and P2-Type $\text{A}_2/3[\text{M}^{2+1/3}\text{M}^{4+2/3}]\text{O}_2$ Bronzes, A = Li, Na; $\text{M}^{2+} = \text{Ni, Mg}$; M = Mn, Ti. Chemistry of Materials, 2000, 12, 2257-2267.	3.2	137
107	Comparative thermal stability of carbon intercalation anodes and lithium metal anodes for rechargeable lithium batteries. Journal of Power Sources, 1995, 54, 240-245.	4.0	134
108	Effect of Sulfate Electrolyte Additives on $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$ /Graphite Pouch Cell Lifetime: Correlation between XPS Surface Studies and Electrochemical Test Results. Journal of Physical Chemistry C, 2014, 118, 29608-29622.	1.5	134

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109	Study of Electrolyte Additives Using Electrochemical Impedance Spectroscopy on Symmetric Cells. Journal of the Electrochemical Society, 2013, 160, A117-A124.	1.3	132
110	Superlattice Ordering of Mn, Ni, and Co in Layered Alkali Transition Metal Oxides with P2, P3, and O3 Structures. Chemistry of Materials, 2000, 12, 3583-3590.	3.2	129
111	Studies of the Effect of Varying Vinylene Carbonate (VC) Content in Lithium Ion Cells on Cycling Performance and Cell Impedance. Journal of the Electrochemical Society, 2013, 160, A1668-A1674.	1.3	127
112	Effect of turbostratic disorder in graphitic carbon hosts on the intercalation of lithium. Physical Review B, 1995, 51, 734-741.	1.1	126
113	Effects of solvents and salts on the thermal stability of LiC ₆ . Electrochimica Acta, 2004, 49, 4599-4604.	2.6	125
114	Phase Diagram of Li ⁺ Mn ²⁺ O Spinel in Air. Chemistry of Materials, 1999, 11, 3065-3079.	3.2	124
115	Magnetization dynamics of the ferrimagnet CoGd near the compensation of magnetization and angular momentum. Physical Review B, 2006, 74, .	1.1	124
116	Improving Precision and Accuracy in Coulombic Efficiency Measurements of Li-Ion Batteries. Journal of the Electrochemical Society, 2013, 160, A521-A527.	1.3	124
117	Survey of Gas Expansion in Li-Ion NMC Pouch Cells. Journal of the Electrochemical Society, 2015, 162, A796-A802.	1.3	123
118	Volume, Pressure and Thickness Evolution of Li-Ion Pouch Cells with Silicon-Composite Negative Electrodes. Journal of the Electrochemical Society, 2017, 164, A2689-A2696.	1.3	123
119	High-Capacity Carbons Prepared from Phenolic Resin for Anodes of Lithium-Ion Batteries. Journal of the Electrochemical Society, 1995, 142, L211-L214.	1.3	120
120	Studies of Aromatic Redox Shuttle Additives for LiFePO ₄ -Based Li-Ion Cells. Journal of the Electrochemical Society, 2005, 152, A2390.	1.3	118
121	Interactions between Positive and Negative Electrodes in Li-Ion Cells Operated at High Temperature and High Voltage. Journal of the Electrochemical Society, 2016, 163, A546-A551.	1.3	117
122	Synthesis of Single Crystal LiNi _{0.88} Co _{0.09} Al _{0.03} O ₂ with a Two-Step Lithiation Method. Journal of the Electrochemical Society, 2019, 166, A1956-A1963.	1.3	117
123	In Situ Detection of Lithium Plating on Graphite Electrodes by Electrochemical Calorimetry. Journal of the Electrochemical Society, 2013, 160, A588-A594.	1.3	116
124	Studies of the Capacity Fade Mechanisms of LiCoO ₂ /Si-Alloy: Graphite Cells. Journal of the Electrochemical Society, 2016, 163, A1146-A1156.	1.3	115
125	The Reaction of Lithium with Sn-Mn-C Intermetallics Prepared by Mechanical Alloying. Journal of the Electrochemical Society, 2000, 147, 3237.	1.3	114
126	A Guide to Ethylene Carbonate-Free Electrolyte Making for Li-Ion Cells. Journal of the Electrochemical Society, 2017, 164, A5008-A5018.	1.3	114

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127	Structure-refinement program for disordered carbons. Journal of Applied Crystallography, 1993, 26, 827-836.	1.9	113
128	A small angle X-ray scattering study of carbons made from pyrolyzed sugar. Carbon, 1996, 34, 499-503.	5.4	112
129	Oxygen reduction activity of Pt and Pt-Mn-Co electrocatalysts sputtered on nano-structured thin film support. Electrochimica Acta, 2007, 53, 688-694.	2.6	112
130	A systematic study on the reactivity of different grades of charged Li[Ni _x Mn _y Co _z]O ₂ with electrolyte at elevated temperatures using accelerating rate calorimetry. Journal of Power Sources, 2016, 327, 145-150.	4.0	111
131	Ti-Transition Metal-Carbon Systems for Lithium-Ion Battery Negative Electrodes. Journal of the Electrochemical Society, 2007, 154, A597.	1.3	110
132	A Systematic Study of Electrolyte Additives in Li[Ni _{1/3} Mn _{1/3} Co _{1/3}]O ₂ (NMC)/Graphite Pouch Cells. Journal of the Electrochemical Society, 2014, 161, A1818-A1827.	1.3	110
133	A Mössbauer effect investigation of the Li-Sn system. Journal of Alloys and Compounds, 1999, 289, 135-142.	2.8	109
134	Effect of Heat Treatment on Si Electrodes Using Polyvinylidene Fluoride Binder. Journal of the Electrochemical Society, 2008, 155, A234.	1.3	108
135	New Chemical Insights into the Beneficial Role of Al ₂ O ₃ Cathode Coatings in Lithium-ion Cells. ACS Applied Materials & Interfaces, 2019, 11, 14095-14100.	4.0	108
136	Model of micropore closure in hard carbon prepared from sucrose. Carbon, 1999, 37, 1399-1407.	5.4	106
137	Phenothiazine Molecules. Journal of the Electrochemical Society, 2006, 153, A288.	1.3	106
138	Microstructural Observations of Single Crystal-Positive Electrode Materials Before and After Long Term Cycling by Cross-section Scanning Electron Microscopy. Journal of the Electrochemical Society, 2020, 167, 020512.	1.3	106
139	Introducing Symmetric Li-Ion Cells as a Tool to Study Cell Degradation Mechanisms. Journal of the Electrochemical Society, 2011, 158, A1417.	1.3	105
140	Test of Reaction Kinetics Using Both Differential Scanning and Accelerating Rate Calorimetries As Applied to the Reaction of Li _x CoO ₂ in Non-aqueous Electrolyte. Journal of Physical Chemistry A, 2001, 105, 4430-4439.	1.1	104
141	Evaluation of Effects of Additives in Wound Li-Ion Cells Through High Precision Coulometry. Journal of the Electrochemical Society, 2011, 158, A255.	1.3	104
142	High Capacity Li-Rich Positive Electrode Materials with Reduced First-Cycle Irreversible Capacity Loss. Chemistry of Materials, 2015, 27, 757-767.	3.2	104
143	In situ growth of layered, spinel, and rock-salt LiCoO ₂ by laser ablation deposition. Journal of Applied Physics, 1994, 76, 2799-2806.	1.1	103
144	Coprecipitation Synthesis of Ni _x Mn _{1-x} (OH) ₂ Mixed Hydroxides. Chemistry of Materials, 2010, 22, 1015-1021.	3.2	101

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145	Behavior of Nitrogen-Substituted Carbon $\text{C}_{100-x}\text{N}_x$ in Li-ion Batteries. Journal of the Electrochemical Society, 1994, 141, 900-907.	1.3	100
146	An Autocatalytic Mechanism for the Reaction of $\text{Li}_{1-x}\text{CoO}_2$ in Electrolyte at Elevated Temperature. Journal of the Electrochemical Society, 2000, 147, 970.	1.3	100
147	Combinatorial Study of Tin-Transition Metal Alloys as Negative Electrodes for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2006, 153, A1998.	1.3	100
148	Reduction of the Irreversible Capacity in Hard-Carbon Anode Materials Prepared from Sucrose for Li-ion Batteries. Journal of the Electrochemical Society, 1998, 145, 1977-1981.	1.3	99
149	Comparison of the Thermal Stability of Lithiated Graphite in LiBOB EC/DEC and in LiPF ₆ EC/DEC. Electrochemical and Solid-State Letters, 2003, 6, A180.	2.2	99
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