

Remi Petibon

List of Publications by Year in descending order

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26
papers

1,758
citations

304743

22
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1852
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Evolution and High-Voltage Structural Stability of Li(Ni _x Mn _y Co _z)O ₂ Electrodes. Chemistry of Materials, 2019, 31, 376-386.	6.7	60
2	A Guide to Ethylene Carbonate-Free Electrolyte Making for Li-Ion Cells. Journal of the Electrochemical Society, 2017, 164, A5008-A5018.	2.9	114
3	Studies of the Capacity Fade Mechanisms of LiCoO ₂ /Si-Alloy: Graphite Cells. Journal of the Electrochemical Society, 2016, 163, A1146-A1156.	2.9	115
4	The Effects of a Ternary Electrolyte Additive System on the Electrode/Electrolyte Interfaces in High Voltage Li-Ion Cells. Journal of the Electrochemical Society, 2016, 163, A1001-A1009.	2.9	42
5	Rapid Impedance Growth and Gas Production at the Li-Ion Cell Positive Electrode in the Absence of a Negative Electrode. Journal of the Electrochemical Society, 2016, 163, A3069-A3077.	2.9	40
6	Electrolyte System for High Voltage Li-Ion Cells. Journal of the Electrochemical Society, 2016, 163, A2571-A2578.	2.9	87
7	Study of the consumption of the additive prop-1-ene-1,3-sultone in Li[Ni 0.33 Mn 0.33 Co 0.33]O ₂ /graphite pouch cells and evidence of positive-negative electrode interaction. Journal of Power Sources, 2016, 313, 152-163.	7.8	17
8	The use of deuterated ethyl acetate in highly concentrated electrolyte as a low-cost solvent for in situ neutron diffraction measurements of Li-ion battery electrodes. Electrochimica Acta, 2015, 174, 417-423.	5.2	13
9	A Survey of In Situ Gas Evolution during High Voltage Formation in Li-Ion Pouch Cells. Journal of the Electrochemical Society, 2015, 162, A760-A767.	2.9	71
10	The use of ethyl acetate and methyl propanoate in combination with vinylene carbonate as ethylene carbonate-free solvent blends for electrolytes in Li-ion batteries. Electrochimica Acta, 2015, 154, 227-234.	5.2	56
11	The use of ethyl acetate as a sole solvent in highly concentrated electrolyte for Li-ion batteries. Electrochimica Acta, 2015, 154, 287-293.	5.2	93
12	Survey of Gas Expansion in Li-Ion NMC Pouch Cells. Journal of the Electrochemical Society, 2015, 162, A796-A802.	2.9	123
13	Evaluation of phenyl carbonates as electrolyte additives in lithium-ion batteries. Journal of Power Sources, 2015, 287, 184-195.	7.8	43
14	Understanding the Role of Prop-1-ene-1,3-Sultone and Vinylene Carbonate in LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ /Graphite Pouch Cells: Electrochemical, GC-MS and XPS Analysis. Journal of the Electrochemical Society, 2015, 162, A2635-A2645.	2.9	44
15	One Sulfonate and Three Sulfate Electrolyte Additives Studied in Graphite/LiCoO ₂ Pouch Cells. Journal of the Electrochemical Society, 2015, 162, A2227-A2235.	2.9	13
16	Effects of Succinonitrile (SN) as an Electrolyte Additive on the Impedance of LiCoO ₂ /Graphite Pouch Cells during Cycling. Journal of the Electrochemical Society, 2014, 161, A506-A512.	2.9	48
17	Effect of Sulfate Electrolyte Additives on LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ /Graphite Pouch Cell Lifetime: Correlation between XPS Surface Studies and Electrochemical Test Results. Journal of Physical Chemistry C, 2014, 118, 29608-29622.	3.1	134
18	Study of Electrolyte Components in Li Ion Cells Using Liquid-Liquid Extraction and Gas Chromatography Coupled with Mass Spectrometry. Journal of the Electrochemical Society, 2014, 161, A1167-A1172.	2.9	67

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19	Comparative study of electrolyte additives using electrochemical impedance spectroscopy on symmetric cells. Journal of Power Sources, 2014, 251, 187-194.	7.8	42
20	A systematic study of well-known electrolyte additives in LiCoO ₂ /graphite pouch cells. Journal of Power Sources, 2014, 251, 311-318.	7.8	65
21	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.	2.9	110
22	A high precision study of the electrolyte additives vinylene carbonate, vinyl ethylene carbonate and lithium bis(oxalate)borate in LiCoO ₂ /graphite pouch cells. Journal of Power Sources, 2014, 270, 68-78.	7.8	18
23	Study of the Consumption of Vinylene Carbonate in Li[Ni _{0.33} Mn _{0.33} Co _{0.33}]O ₂ /Graphite Pouch Cells. Journal of the Electrochemical Society, 2014, 161, A1618-A1624.	2.9	28
24	Comparative Study of Vinyl Ethylene Carbonate (VEC) and Vinylene Carbonate (VC) in LiCoO ₂ /Graphite Pouch Cells Using High Precision Coulometry and Electrochemical Impedance Spectroscopy Measurements on Symmetric Cells. Journal of the Electrochemical Society, 2014, 161, A66-A74.	2.9	56
25	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.	2.9	127
26	Study of Electrolyte Additives Using Electrochemical Impedance Spectroscopy on Symmetric Cells. Journal of the Electrochemical Society, 2013, 160, A117-A124.	2.9	132