

# Remi Petibon

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,758  
citations

304743

22  
h-index

552781

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docs citations

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times ranked

1852  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.1	134
2	Study of Electrolyte Additives Using Electrochemical Impedance Spectroscopy on Symmetric Cells. Journal of the Electrochemical Society, 2013, 160, A117-A124.	2.9	132
3	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
4	Survey of Gas Expansion in Li-Ion NMC Pouch Cells. Journal of the Electrochemical Society, 2015, 162, A796-A802.	2.9	123
5	Studies of the Capacity Fade Mechanisms of $\text{LiCoO}_2$ /Si-Alloy: Graphite Cells. Journal of the Electrochemical Society, 2016, 163, A1146-A1156.	2.9	115
6	A Guide to Ethylene Carbonate-Free Electrolyte Making for Li-Ion Cells. Journal of the Electrochemical Society, 2017, 164, A5008-A5018.	2.9	114
7	A Systematic Study of Electrolyte Additives in $\text{Li}[\text{Ni}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}]\text{O}_2$ (NMC)/Graphite Pouch Cells. Journal of the Electrochemical Society, 2014, 161, A1818-A1827.	2.9	110
8	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
9	Electrolyte System for High Voltage Li-Ion Cells. Journal of the Electrochemical Society, 2016, 163, A2571-A2578.	2.9	87
10	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
11	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
12	A systematic study of well-known electrolyte additives in $\text{LiCoO}_2$ /graphite pouch cells. Journal of Power Sources, 2014, 251, 311-318.	7.8	65
13	Structural Evolution and High-Voltage Structural Stability of $\text{Li}(\text{Ni}_x\text{Mn}_y\text{Co}_z)\text{O}_2$ Electrodes. Chemistry of Materials, 2019, 31, 376-386.	6.7	60
14	Comparative Study of Vinyl Ethylene Carbonate (VEC) and Vinylene Carbonate (VC) in $\text{LiCoO}_2$ /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
15	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
16	Effects of Succinonitrile (SN) as an Electrolyte Additive on the Impedance of $\text{LiCoO}_2$ /Graphite Pouch Cells during Cycling. Journal of the Electrochemical Society, 2014, 161, A506-A512.	2.9	48
17	Understanding the Role of Prop-1-ene-1,3-Sultone and Vinylene Carbonate in $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$ /Graphite Pouch Cells: Electrochemical, GC-MS and XPS Analysis. Journal of the Electrochemical Society, 2015, 162, A2635-A2645.	2.9	44
18	Evaluation of phenyl carbonates as electrolyte additives in lithium-ion batteries. Journal of Power Sources, 2015, 287, 184-195.	7.8	43

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19	Comparative study of electrolyte additives using electrochemical impedance spectroscopy on symmetric cells. <i>Journal of Power Sources</i> , 2014, 251, 187-194.	7.8	42
20	The Effects of a Ternary Electrolyte Additive System on the Electrode/Electrolyte Interfaces in High Voltage Li-Ion Cells. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1001-A1009.	2.9	42
21	Rapid Impedance Growth and Gas Production at the Li-Ion Cell Positive Electrode in the Absence of a Negative Electrode. <i>Journal of the Electrochemical Society</i> , 2016, 163, A3069-A3077.	2.9	40
22	Study of the Consumption of Vinylene Carbonate in $\text{Li}[\text{Ni}_{0.33}\text{Mn}_{0.33}\text{Co}_{0.33}]\text{O}_2$ /Graphite Pouch Cells. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1618-A1624.	2.9	28
23	A high precision study of the electrolyte additives vinylene carbonate, vinyl ethylene carbonate and lithium bis(oxalate)borate in $\text{LiCoO}_2$ /graphite pouch cells. <i>Journal of Power Sources</i> , 2014, 270, 68-78.	7.8	18
24	Study of the consumption of the additive prop-1-ene-1,3-sultone in $\text{Li}[\text{Ni}_{0.33}\text{Mn}_{0.33}\text{Co}_{0.33}]\text{O}_2$ /graphite pouch cells and evidence of positive-negative electrode interaction. <i>Journal of Power Sources</i> , 2016, 313, 152-163.	7.8	17
25	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. <i>Electrochimica Acta</i> , 2015, 174, 417-423.	5.2	13
26	One Sulfonate and Three Sulfate Electrolyte Additives Studied in Graphite/ $\text{LiCoO}_2$ Pouch Cells. <i>Journal of the Electrochemical Society</i> , 2015, 162, A2227-A2235.	2.9	13