

Stephen L Glazier

List of Publications by Year in descending order

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14
papers

1,014
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759233

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#	ARTICLE	IF	CITATIONS
1	A Wide Range of Testing Results on an Excellent Lithium-Ion Cell Chemistry to be used as Benchmarks for New Battery Technologies. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3031-A3044.	2.9	286
2	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. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1534-A1544.	2.9	280
3	Probing the thermal effects of voltage hysteresis in anionic redox-based lithium-rich cathodes using isothermal calorimetry. <i>Nature Energy</i> , 2019, 4, 647-656.	39.5	126
4	Development of Electrolytes for Single Crystal NMC532/Artificial Graphite Cells with Long Lifetime. <i>Journal of the Electrochemical Society</i> , 2018, 165, A626-A635.	2.9	65
5	Structural and Electrochemical Study of the Li-Mn-Ni Oxide System within the Layered Single Phase Region. <i>Chemistry of Materials</i> , 2014, 26, 7059-7066.	6.7	53
6	Use of Asymmetric Average Charge- and Average Discharge- Voltages as an Indicator of the Onset of Unwanted Lithium Deposition in Lithium-Ion Cells. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3595-A3601.	2.9	53
7	Methyl Acetate as a Co-Solvent in NMC532/Graphite Cells. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1027-A1037.	2.9	33
8	A systematic study of some promising electrolyte additives in $\text{Li}[\text{Ni}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}]\text{O}_2$ /graphite, $\text{Li}[\text{Ni}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}]$ /graphite and $\text{Li}[\text{Ni}_{0.6}\text{Mn}_{0.2}\text{Co}_{0.2}]$ /graphite pouch cells. <i>Journal of Power Sources</i> , 2015, 299, 130-138.	7.8	31
9	Isothermal microcalorimetry as a tool to study solid-electrolyte interphase formation in lithium-ion cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11383-11390.	2.8	17
10	Effect of Choices of Positive Electrode Material, Electrolyte, Upper Cut-Off Voltage and Testing Temperature on the Life Time of Lithium-Ion Cells. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3195-A3204.	2.9	17
11	Determining Parasitic Reaction Enthalpies in Lithium-Ion Cells Using Isothermal Microcalorimetry. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3449-A3458.	2.9	16
12	Effects of Graphite Heat-Treatment Temperature on Single-Crystal $\text{Li}[\text{Ni}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}]\text{O}_2$ /Graphite Pouch Cells. <i>Journal of the Electrochemical Society</i> , 2020, 167, 080543.	2.9	16
13	Isothermal Calorimetry Evaluation of Metallurgical Silicon as a Negative Electrode Material for Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 030504.	2.9	11
14	Accelerated Failure in $\text{Li}[\text{Ni}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}]\text{O}_2$ /Graphite Pouch Cells Due to Low LiPF_6 Concentration and Extended Time at High Voltage. <i>Journal of the Electrochemical Society</i> , 2020, 167, 130541.	2.9	10