Bastian Heidrich

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8316158/publications.pdf

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12	441	1040056 9	1199594 12
papers	citations	h-index	g-index

13	13	13	379
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-Component, Interrupted Radical Heck/Allylic Substitution Cascade Involving Unactivated Alkyl Bromides. Journal of the American Chemical Society, 2020, 142, 10173-10183.	13.7	135
2	Understanding the Outstanding Highâ€Voltage Performance of NCM523||Graphite Lithium Ion Cells after Elimination of Ethylene Carbonate Solvent from Conventional Electrolyte. Advanced Energy Materials, 2021, 11, 2003738.	19.5	86
3	On the Beneficial Impact of Li₂CO₃ as Electrolyte Additive in NCM523 âˆ¥ Graphite Lithium Ion Cells Under Highâ€Voltage Conditions. Advanced Energy Materials, 2021, 11, 2003756.	19.5	59
4	Unravelling charge/discharge and capacity fading mechanisms in dual-graphite battery cells using an electron inventory model. Energy Storage Materials, 2019, 21, 414-426.	18.0	50
5	Understanding the Role of Commercial Separators and Their Reactivity toward LiPF₆ on the Failure Mechanism of Highâ€Voltage NCM523 || Graphite Lithium Ion Cells. Advanced Energy Materials, 2022, 12, 2102599.	19.5	35
6	Opportunities and Challenges of Li₂C₄O₄ as Preâ€Lithiation Additive for the Positive Electrode in NMC622||Silicon/Graphite Lithium Ion Cells. Advanced Science, 2022, 9, .	11.2	20
7	Quantitative determination of solid electrolyte interphase and cathode electrolyte interphase homogeneity in multi-layer lithium ion cells. Journal of Energy Storage, 2021, 44, 103208.	8.1	17
8	Al2O3 protective coating on silicon thin film electrodes and its effect on the aging mechanisms of lithium metal and lithium ion cells. Journal of Energy Storage, 2021, 44, 103479.	8.1	13
9	Enabling Aqueous Processing for LiNi_{0.5}Mn_{1.5}O₄â€Based Positive Electrodes in Lithiumâ€Ion Batteries by Applying Lithiumâ€Based Processing Additives. Advanced Energy and Sustainability Research, 2021, 2, 2100075.	5.8	11
10	Comparative X-ray Photoelectron Spectroscopy Study of the SEI and CEI in Three Different Lithium Ion Cell Formats. Journal of the Electrochemical Society, 2022, 169, 030533.	2.9	8
11	Understanding the Effectiveness of Phospholane Electrolyte Additives in Lithiumâ€Ion Batteries under Highâ€Voltage Conditions. ChemElectroChem, 2021, 8, 972-982.	3.4	5
12	Graphite Lithiumâ€Ion Cells: On the Beneficial Impact of Li₂CO₃ as Electrolyte Additive in NCM523 âˆ¥ Graphite Lithium Ion Cells Under Highâ€Voltage Conditions (Adv. Energy Mater.) Tj ETQq0 1 0 rgBT /Overlock 1	19.5	