

Stephan RÄjser

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11434763/publications.pdf>

Version: 2024-02-01

16
papers

677
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

912
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Ion versus Dual-Ion Conducting Electrolytes: The Relevance of Concentration Polarization in Solid-State Batteries. ACS Applied Materials & Interfaces, 2022, 14, 11559-11566.	8.0	34
2	Understanding the Outstanding High 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	Pragmatic Approaches to Correlate between the Physicochemical Properties of a Linear Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ov Journal of Physical Chemistry C, 2021, 125, 18089-18097.	3.1	18
4	Re-evaluating common electrolyte additives for high-voltage lithium ion batteries. Cell Reports Physical Science, 2021, 2, 100521.	5.6	32
5	Compatibility of Various Electrolytes with Cation Disordered Rocksalt Cathodes in Lithium Ion Batteries. ACS Applied Energy Materials, 2021, 4, 10909-10920.	5.1	9
6	Do Increased Ni Contents in LiNi _x Mn _y Co _z O ₂ (NMC) Electrodes Decrease Structural and Thermal Stability of Li Ion Batteries? A Thorough Look by Consideration of the Li ⁺ Extraction Ratio. ACS Applied Energy Materials, 2019, 2, 7733-7737.	5.1	73
7	Phosphorus additives for improving high voltage stability and safety of lithium ion batteries. Journal of Fluorine Chemistry, 2017, 198, 24-33.	1.7	54
8	Influence of LiPF ₆ on the Aluminum Current Collector Dissolution in High Voltage Lithium Ion Batteries after Long-Term Charge/Discharge Experiments. Journal of the Electrochemical Society, 2017, 164, A1474-A1479.	2.9	40
9	Trimethylsiloxy based metal complexes as electrolyte additives for high voltage application in lithium ion cells. Electrochimica Acta, 2017, 235, 332-339.	5.2	24
10	Highly Effective Solid Electrolyte Interphase-Forming Electrolyte Additive Enabling High Voltage Lithium-Ion Batteries. Chemistry of Materials, 2017, 29, 7733-7739.	6.7	41
11	Innovative, Non-Corrosive LiTFSI Cyanoester-Based Electrolyte for Safer 4.4 V Lithium-Ion Batteries. ChemElectroChem, 2017, 4, 304-309.	3.4	19
12	Alternative Single-Solvent Electrolytes Based on Cyanoesters for Safer Lithium-Ion Batteries. ChemSusChem, 2016, 9, 1704-1711.	6.8	30
13	Counterintuitive Role of Magnesium Salts as Effective Electrolyte Additives for High Voltage Lithium-Ion Batteries. Advanced Materials Interfaces, 2016, 3, 1600096.	3.7	57
14	Lifetime limit of tris(trimethylsilyl) phosphite as electrolyte additive for high voltage lithium ion batteries. RSC Advances, 2016, 6, 38342-38349.	3.6	70
15	High Voltage LiNi _{0.5} Mn _{1.5} O ₄ /Li ₄ Ti ₅ O ₁₂ Lithium Ion Cells at Elevated Temperatures: Carbonate- versus Ionic Liquid-Based Electrolytes. ACS Applied Materials & Interfaces, 2016, 8, 25971-25978.	8.0	78
16	Ester Modified Pyrrolidinium Based Ionic Liquids as Electrolyte Component Candidates in Rechargeable Lithium Batteries. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2536-2542.	1.2	10