

Andreas Heckmann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11165606/publications.pdf>

Version: 2024-02-01

17
papers

1,210
citations

687363

13
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

1313
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Degree of Graphitization, Surface Properties and Particle Size Distribution on Electrochemical Performance of Carbon Anodes for Potassium-Ion Batteries. Batteries and Supercaps, 2022, 5, .	4.7	9
2	Hexafluorophosphate-Bis(trifluoromethanesulfonyl)imide anion co-intercalation for increased performance of dual-carbon battery using mixed salt electrolyte. Journal of Power Sources, 2020, 479, 229084.	7.8	14
3	Experimental and computational studies of electrochemical anion intercalation into graphite from target-oriented designed borate-based ionic liquid electrolytes. Journal of Power Sources, 2020, 469, 228397.	7.8	15
4	Dual-Ion Batteries: Development of Safe and Sustainable Dual-Ion Batteries Through Hybrid Aqueous/Nonaqueous Electrolytes (Adv. Energy Mater. 8/2020). Advanced Energy Materials, 2020, 10, 2070033.	19.5	2
5	Development of Safe and Sustainable Dual-Ion Batteries Through Hybrid Aqueous/Nonaqueous Electrolytes. Advanced Energy Materials, 2020, 10, 1902709.	19.5	51
6	Editors' Choice Mechanistic Elucidation of Anion Intercalation into Graphite from Binary-Mixed Highly Concentrated Electrolytes via Complementary ¹⁹ F MAS NMR and XRD Studies. Journal of the Electrochemical Society, 2020, 167, 140526.	2.9	31
7	Enabling High Performance Potassium-Based Dual-Graphite Battery Cells by Highly Concentrated Electrolytes. Batteries and Supercaps, 2019, 2, 992-1006.	4.7	39
8	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
9	Enabling High Performance Potassium-Based Dual-Graphite Battery Cells by Highly Concentrated Electrolytes. Batteries and Supercaps, 2019, 2, 967-967.	4.7	0
10	New insights into electrochemical anion intercalation into carbonaceous materials for dual-ion batteries: Impact of the graphitization degree. Carbon, 2018, 131, 201-212.	10.3	75
11	Towards high-performance dual-graphite batteries using highly concentrated organic electrolytes. Electrochimica Acta, 2018, 260, 514-525.	5.2	133
12	Carbons from biomass precursors as anode materials for lithium ion batteries: New insights into carbonization and graphitization behavior and into their correlation to electrochemical performance. Carbon, 2018, 128, 147-163.	10.3	168
13	Perspective on Performance, Cost, and Technical Challenges for Practical Dual-Ion Batteries. Joule, 2018, 2, 2528-2550.	24.0	312
14	A route towards understanding the kinetic processes of bis(trifluoromethanesulfonyl) imide anion intercalation into graphite for dual-ion batteries. Electrochimica Acta, 2018, 284, 669-680.	5.2	41
15	Iron-Catalyzed Graphitic Carbon Materials from Biomass Resources as Anodes for Lithium-Ion Batteries. ChemSusChem, 2018, 11, 2776-2787.	6.8	81
16	Suppression of Aluminum Current Collector Dissolution by Protective Ceramic Coatings for Better High-Voltage Battery Performance. ChemPhysChem, 2017, 18, 156-163.	2.1	33
17	Does Size really Matter? New Insights into the Intercalation Behavior of Anions into a Graphite-Based Positive Electrode for Dual-Ion Batteries. Electrochimica Acta, 2016, 209, 44-55.	5.2	156