

Aziz Abdellahi

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

987
citations

840776

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h-index

1058476

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15
all docs

15
docs citations

15
times ranked

1698
citing authors

#	ARTICLE	IF	CITATIONS
1	A Critical Review of the Li Insertion Mechanisms in LiFePO_4 Electrodes. Journal of the Electrochemical Society, 2013, 160, A3179-A3197.	2.9	280
2	Electronic-Structure Origin of Cation Disorder in Transition-Metal Oxides. Physical Review Letters, 2017, 119, 176402.	7.8	135
3	The Intercalation Phase Diagram of Mg in V_2O_5 from First-Principles. Chemistry of Materials, 2015, 27, 3733-3742.	6.7	130
4	Computational Design and Preparation of Cation-Disordered Oxides for High-Energy-Density Li-Ion Batteries. Advanced Energy Materials, 2016, 6, 1600488.	19.5	93
5	Understanding the Effect of Cation Disorder on the Voltage Profile of Lithium Transition-Metal Oxides. Chemistry of Materials, 2016, 28, 5373-5383.	6.7	79
6	The Effect of Cation Disorder on the Average Li Intercalation Voltage of Transition-Metal Oxides. Chemistry of Materials, 2016, 28, 3659-3665.	6.7	62
7	Localized concentration reversal of lithium during intercalation into nanoparticles. Science Advances, 2018, 4, eaao2608.	10.3	50
8	Particle-size and morphology dependence of the preferred interface orientation in LiFePO_4 nano-particles. Journal of Materials Chemistry A, 2014, 2, 15437-15447.	10.3	45
9	Architecture Dependence on the Dynamics of Nano- LiFePO_4 Electrodes. Electrochimica Acta, 2014, 137, 245-257.	5.2	43
10	Effect of a Size-Dependent Equilibrium Potential on Nano- LiFePO_4 Particle Interactions. Journal of the Electrochemical Society, 2015, 162, A1718-A1724.	2.9	29
11	Kinetics of Nanoparticle Interactions in Battery Electrodes. Journal of the Electrochemical Society, 2015, 162, A965-A973.	2.9	28
12	The effect of surface-bulk potential difference on the kinetics of intercalation in core-shell active cathode particles. Journal of Power Sources, 2018, 382, 30-37.	7.8	7
13	Impact of cell variability on pack statistics for different vehicle segments. Journal of Power Sources, 2021, 508, 230246.	7.8	4
14	Lithium Batteries: Computational Design and Preparation of Cation-Disordered Oxides for High-Energy-Density Li-Ion Batteries (Adv. Energy Mater. 15/2016). Advanced Energy Materials, 2016, 6, .	19.5	0