Nicholas V Faenza

List of Publications by Year
in descending order

14	627	759055 12	1125617 13
papers	citations	h-index	g-index

14	14	14	1120
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atomic Structure of Surface-Densified Phases in Ni-Rich Layered Compounds. ACS Applied Materials & Interfaces, 2021, 13, 17478-17486.	4.0	13
2	Mapping Competitive Reduction upon Charging in LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ Primary Particles. Chemistry of Materials, 2020, 32, 6161-6175.	3.2	5
3	How Bulk Sensitive is Hard X-ray Photoelectron Spectroscopy: Accounting for the Cathodeâ€“Electrolyte Interface when Addressing Oxygen Redox. Journal of Physical Chemistry Letters, 2020, 11, 2106-2112.	2.1	36
4	Revisiting the charge compensation mechanisms in LiNi_{0.8}Co_{0.2â^'y}Al_yO₂ systems. Materials Horizons, 2019, 6, 2112-2123.	6.4	62
5	Distinction between Intrinsic and X-ray-Induced Oxidized Oxygen States in Li-Rich 3d Layered Oxides and LiAlO₂. Journal of Physical Chemistry C, 2019, 123, 13201-13207.	1.5	33
6	Fundamental insights about interlayer cation migration in Li-ion electrodes at high states of charge. Journal of Materials Chemistry A, 2019, 7, 11996-12007.	5.2	12
7	Surface Chemistry Dependence on Aluminum Doping in Ni-rich LiNi0.8Co0.2â^'yAlyO2 Cathodes. Scientific Reports, 2019, 9, 17720.	1.6	25
8	Evolution of the Electrodeâ€“Electrolyte Interface of LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ Electrodes Due to Electrochemical and Thermal Stress. Chemistry of Materials, 2018, 30, 958-969.	3.2	71
9	Surface Structural and Chemical Evolution of Layered LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ (NCA) under High Voltage and Elevated Temperature Conditions. Chemistry of Materials, 2018, 30, 8431-8445.	3.2	48
10	Phase Evolution and Degradation Modes of R3ì...m Li_xNi_{1â€“yâ€“z}Co_yAl_zO₂ Electrodes Cycled Near Complete Delithiation. Chemistry of Materials, 2018, 30, 7545-7574.	3.2	30
11	Electrolyte-Induced Surface Transformation and Transition-Metal Dissolution of Fully Delithiated LiNi_{0.8}Co_{0.15}Al_{0.05}O₂. Langmuir, 2017, 33, 9333-9353.	1.6	70
12	Editors' Choiceâ€”Growth of Ambient Induced Surface Impurity Species on Layered Positive Electrode Materials and Impact on Electrochemical Performance. Journal of the Electrochemical Society, 2017, 164, A3727-A3741.	1.3	152
13	Dynamic Transformations of Layered Compounds at Full Delithiation Due to Surface Triggered Reactions. ECS Meeting Abstracts, 2016, , .	0.0	0
14	Two dimensional silicon nanowalls for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 6051-6057.	5.2	70