

Volodymyr Baran

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Probing thermally-induced structural evolution during the synthesis of layered Li-, Na-, or K-containing 3d transition-metal oxides. EScience, 2022, 2, 183-191.	41.6	49
2	Linear and Nonlinear Aging of Lithium-Ion Cells Investigated by Electrochemical Analysis and In-Situ Neutron Diffraction. Journal of the Electrochemical Society, 2019, 166, A3908-A3917.	2.9	29
3	Fatigue in High-Energy Commercial Li Batteries while Cycling at Standard Conditions: An In Situ Neutron Powder Diffraction Study. ACS Applied Energy Materials, 2020, 3, 6611-6622.	5.1	27
4	Structural Origin of Suppressed Voltage Decay in Single-Crystalline Li-Rich Layered $\text{Li}_{1-x}\text{Ni}_x\text{Mn}_{1-2x}\text{O}_2$ Cathodes. Small, 2022, 18, .	10.0	18
5	$\text{Li}^{+}/\text{Na}^{+}$ Ion Exchange in Layered $\text{Na}_{2/3}(\text{Ni}_{0.25}\text{Mn}_{0.75})\text{O}_2$: A Simple and Fast Way to Synthesize O3/O2-Type Layered Oxides. Chemistry of Materials, 2021, 33, 5606-5617.	6.7	16
6	In operando studies of rotating prismatic Li-ion batteries using monochromatic wide-angle neutron diffraction. Journal of Energy Storage, 2019, 24, 100772.	8.1	15
7	Methods for Spatially Resolved Diffraction Study of the Uniformity of a Li-Ion Pouch Cell. Journal of the Electrochemical Society, 2022, 169, 030518.	2.9	2
8	In Operando Diffraction Radiography and Tomography on Li-Ion Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 323-323.	0.0	0