

Yuta Kimura

List of Publications by Year in descending order

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14
papers

315
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933447

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#	ARTICLE	IF	CITATIONS
1	3D <i>Operando</i> Analysis of Reaction Distribution in All-Solid-State Batteries Using Synchrotron X-ray. <i>Denki Kagaku</i> , 2022, 90, 32-38.	0.0	0
2	Thermodynamic Analysis Enables Quantitative Evaluation of Lattice Oxygen Stability in Li-Ion Battery Cathodes. <i>ACS Energy Letters</i> , 2022, 7, 1687-1693.	17.4	14
3	High-temperature ionic logic gates composed of an ionic rectifying solid electrolyte interface. <i>RSC Advances</i> , 2022, 12, 18501-18506.	3.6	0
4	<i>Operando</i> Analysis of All-Solid-State Lithium Ion Batteries by Using Synchrotron X-ray. , 2021, , 239-250.		0
5	Oxygen defect engineering for the Li-rich cathode material $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Co}_{0.13}\text{Mn}_{0.54}\text{O}_2$. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3657-3667.	10.3	46
6	Lattice Oxygen Instability in Oxide-Based Intercalation Cathodes: A Case Study of Layered $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$. <i>Advanced Energy Materials</i> , 2021, 11, 2101005.	19.5	34
7	Experimental Evaluation of Influence of Stress on Li Chemical Potential and Phase Equilibrium in Two-phase Battery Electrode Materials. <i>Electrochemistry</i> , 2021, 89, 355-362.	1.4	6
8	Impact of Oxygen Defects on Electrochemical Processes and Charge Compensation of Li-Rich Cathode Material $\text{Li}_{1.2}\text{Mn}_{0.6}\text{Ni}_{0.2}\text{O}_2$. <i>ACS Applied Energy Materials</i> , 2020, 3, 9703-9713.	5.1	24
9	Influence of Active Material Loading on Electrochemical Reactions in Composite Solid-State Battery Electrodes Revealed by <i>Operando</i> 3D CT-XANES Imaging. <i>ACS Applied Energy Materials</i> , 2020, 3, 7782-7793.	5.1	29
10	3D <i>Operando</i> Imaging and Quantification of Inhomogeneous Electrochemical Reactions in Composite Battery Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3629-3636.	4.6	35
11	Morphological Effect on Reaction Distribution Influenced by Binder Materials in Composite Electrodes for Sheet-type All-Solid-State Lithium-Ion Batteries with the Sulfide-based Solid Electrolyte. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3292-3298.	3.1	53
12	Defect chemical studies on oxygen release from the Li-rich cathode material $\text{Li}_{1.2}\text{Mn}_{0.6}\text{Ni}_{0.2}\text{O}_2$. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5009-5019.	10.3	47
13	<i>Operando</i> Observation of Formation and Annihilation of Inhomogeneous Reaction Distribution in a Composite Electrode for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 688-694.	4.7	14
14	Visualization of the reaction distribution in a composite cathode for an all-solid-state lithium-ion battery. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 299-302.	1.1	13