

Se Young Kim

List of Publications by Year in descending order

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13
papers

813
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933447

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1199594

12
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times ranked

965
citing authors

#	ARTICLE	IF	CITATIONS
1	High areal capacity, long cycle life 4.4 V ceramic all-solid-state Li-ion batteries enabled by chloride solid electrolytes. <i>Nature Energy</i> , 2022, 7, 83-93.	39.5	249
2	Structural Evolution and Redox Processes Involved in the Electrochemical Cycling of $\text{P}_2\text{Na}_{0.67}\text{Mn}_{0.66}\text{Fe}_{0.20}\text{Cu}_{0.14}\text{O}_2$. <i>Chemistry of Materials</i> , 2017, 29, 6684-6697.	6.7	112
3	Using Real-Time Electron Microscopy To Explore the Effects of Transition-Metal Composition on the Local Thermal Stability in Charged $\text{Li}_x\text{Ni}_y\text{Mn}_z\text{Co}_2\text{O}_2$ Cathode Materials. <i>Chemistry of Materials</i> , 2015, 27, 3927-3935.	6.7	103
4	Lithium Ytterbium-Based Halide Solid Electrolytes for High Voltage All-Solid-State Batteries. , 2021, 3, 930-938.		80
5	An open-framework iron fluoride and reduced graphene oxide nanocomposite as a high-capacity cathode material for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10258-10266.	10.3	65
6	Inhibiting Oxygen Release from $\text{Li}\epsilon\text{rich}$, $\text{Mn}\epsilon\text{rich}$ Layered Oxides at the Surface with a Solution Processable Oxygen Scavenger Polymer. <i>Advanced Energy Materials</i> , 2021, 11, 2100552.	19.5	64
7	The Role of Metal Substitution in Tuning Anion Redox in Sodium Metal Layered Oxides Revealed by X-Ray Spectroscopy and Theory. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10880-10887.	13.8	32
8	Coulombically-stabilized oxygen hole polarons enable fully reversible oxygen redox. <i>Energy and Environmental Science</i> , 2021, 14, 4858-4867.	30.8	29
9	Determination of the mechanism and extent of surface degradation in Ni-based cathode materials after repeated electrochemical cycling. <i>APL Materials</i> , 2016, 4, .	5.1	24
10	A 4 V Na^+ Intercalation Material in a New $\text{Na}\epsilon\text{ion}$ Cathode Family. <i>Advanced Energy Materials</i> , 2018, 8, 1701729.	19.5	18
11	$\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ Garnet Solid Polymer Electrolyte for Highly Stable All-Solid-State Batteries. <i>Frontiers in Chemistry</i> , 2020, 8, 619832.	3.6	18
12	The Role of Metal Substitution in Tuning Anion Redox in Sodium Metal Layered Oxides Revealed by X-Ray Spectroscopy and Theory. <i>Angewandte Chemie</i> , 2021, 133, 10975-10982.	2.0	10
13	Electronic structural studies on the improved thermal stability of $\text{Li}(\text{Ni}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05})\text{O}_2$ by ZrO_2 coating for lithium ion batteries. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 565-572.	2.9	9