

Jinhyuk Lee

List of Publications by Year in descending order

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17
papers

4,119
citations

566801

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887659

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all docs

17
docs citations

17
times ranked

4172
citing authors

#	ARTICLE	IF	CITATIONS
1	The structural and chemical origin of the oxygen redox activity in layered and cation-disordered Li-excess cathode materials. <i>Nature Chemistry</i> , 2016, 8, 692-697.	6.6	1,022
2	Unlocking the Potential of Cation-Disordered Oxides for Rechargeable Lithium Batteries. <i>Science</i> , 2014, 343, 519-522.	6.0	943
3	Reversible Mn ²⁺ /Mn ⁴⁺ double redox in lithium-excess cathode materials. <i>Nature</i> , 2018, 556, 185-190.	13.7	525
4	The Configurational Space of Rocksalt-Type Oxides for High-Capacity Lithium Battery Electrodes. <i>Advanced Energy Materials</i> , 2014, 4, 1400478.	10.2	256
5	Gradient Li-rich oxide cathode particles immunized against oxygen release by a molten salt treatment. <i>Nature Energy</i> , 2019, 4, 1049-1058.	19.8	248
6	A new class of high capacity cation-disordered oxides for rechargeable lithium batteries: Li ⁺ -Ni ²⁺ -Ti ⁴⁺ -Mo oxides. <i>Energy and Environmental Science</i> , 2015, 8, 3255-3265.	15.6	224
7	Mitigating oxygen loss to improve the cycling performance of high capacity cation-disordered cathode materials. <i>Nature Communications</i> , 2017, 8, 981.	5.8	197
8	Lithium Manganese Spinel Cathodes for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2000997.	10.2	177
9	Design principles for high transition metal capacity in disordered rocksalt Li-ion cathodes. <i>Energy and Environmental Science</i> , 2018, 11, 2159-2171.	15.6	123
10	Stoichiometric Layered Potassium Transition Metal Oxide for Rechargeable Potassium Batteries. <i>Chemistry of Materials</i> , 2018, 30, 6532-6539.	3.2	108
11	Stabilized Co-Free Li-Rich Oxide Cathode Particles with An Artificial Surface Prereconstruction. <i>Advanced Energy Materials</i> , 2020, 10, 2001120.	10.2	74
12	Short-Range Order and Unusual Modes of Nickel Redox in a Fluorine-Substituted Disordered Rocksalt Oxide Lithium-Ion Cathode. <i>Chemistry of Materials</i> , 2018, 30, 6945-6956.	3.2	72
13	Uranium In Situ Electrolytic Deposition with a Reusable Functional Graphene-Foam Electrode. <i>Advanced Materials</i> , 2021, 33, e2102633.	11.1	52
14	Research progress in electrospinning engineering for all-solid-state electrolytes of lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2021, 61, 253-268.	7.1	52
15	Determining the Criticality of Li-Excess for Disordered-Rocksalt Li-Ion Battery Cathodes. <i>Advanced Energy Materials</i> , 2021, 11, 2100204.	10.2	31
16	Kinetic Rejuvenation of Li-Rich Li-Ion Battery Cathodes upon Oxygen Redox. <i>ACS Applied Energy Materials</i> , 2020, 3, 7931-7943.	2.5	12
17	Electrodes: The Configurational Space of Rocksalt-Type Oxides for High-Capacity Lithium Battery Electrodes (<i>Adv. Energy Mater.</i> 13/2014). <i>Advanced Energy Materials</i> , 2014, 4, n/a-n/a.	10.2	3