

Sanghun Lee

List of Publications by Year in descending order

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759233

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#	ARTICLE	IF	CITATIONS
1	Hydrogen bonding influences collision-induced dissociation of Na + π -bound guanine tetrads. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4582.	1.6	1
2	Utilization of electron-beam irradiation under atomic-scale chemical mapping for evaluating the cycling performance of lithium transition metal oxide cathodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2429-2437.	10.3	10
3	Dynamics and Entropy of Cyclohexane Rings Control pH-Responsive Reactivity. <i>Jacs Au</i> , 2021, 1, 2070-2079.	7.9	3
4	Optimal Synthesis and Application of a Si-Ti-Al Ternary Alloy as an Anode Material for Lithium-Ion Batteries. <i>Materials</i> , 2021, 14, 6912.	2.9	2
5	Surface Characteristics of Poly(alkyl methacrylate)s from Molecular Dynamics Simulations Using All-Atom Force Field. <i>Macromolecular Rapid Communications</i> , 2021, , 2100614.	3.9	0
6	Interface Characteristics of Neat Melts and Binary Mixtures of Polyethylenes from Atomistic Molecular Dynamics Simulations. <i>Polymers</i> , 2020, 12, 1059.	4.5	3
7	Electrical Conductivity of Delithiated Lithium Cobalt Oxides: Conductive Atomic Force Microscopy and Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17703-17710.	3.1	12
8	In Situ Observation of the Effect of Accelerating Voltage on Electron Beam Damage of Layered Cathode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44293-44299.	8.0	15
9	Hierarchically Structured Core-Shell Design of a Lithium Transition-Metal Oxide Cathode Material for Excellent Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4017-4027.	8.0	13
10	Implications of cation-disordered grain boundaries on the electrochemical performance of the $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$ cathode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16111-16120.	10.3	20
11	Interface characteristics of polystyrene melts in free-standing thin films and on graphite surface from molecular dynamics simulations. <i>Polymer</i> , 2017, 116, 540-548.	3.8	19
12	Reduced Graphene Oxide-Wrapped Nickel-Rich Cathode Materials for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18720-18729.	8.0	106
13	Synthesis and characterization of Mg_2TiO_4 -coated LiCoO_2 as a cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2017, 243, 162-169.	5.2	17
14	Mixed Electronic and Ionic Conductor-Coated Cathode Material for High-Voltage Lithium Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12205-12210.	8.0	56
15	Characterization of graphite etched with potassium hydroxide and its application in fast-rechargeable lithium ion batteries. <i>Journal of Power Sources</i> , 2016, 324, 475-483.	7.8	51
16	Synergistic effects of coating and doping for lithium ion battery cathode materials: synthesis and characterization of lithium titanate-coated LiCoO_2 with Mg doping. <i>Electrochimica Acta</i> , 2015, 186, 201-208.	5.2	46
17	Characterization of Spinel $\text{Li}_{1-x}\text{Co}_2\text{O}_4$ -Coated LiCoO_2 Prepared with Post-Thermal Treatment as a Cathode Material for Lithium Ion Batteries. <i>Chemistry of Materials</i> , 2015, 27, 3273-3279.	6.7	52
18	Facial-shape controlled precursors for lithium cobalt oxides and the electrochemical performances in lithium ion battery. <i>Journal of Power Sources</i> , 2015, 274, 659-666.	7.8	11

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19	Effects of heat-treatment atmosphere on electrochemical performances of Ni-rich mixed-metal oxide (LiNi _{0.80} Co _{0.15} Mn _{0.05} O ₂) as a cathode material for lithium ion battery. <i>Electrochimica Acta</i> , 2014, 138, 15-21.	5.2	75
20	Comparative investigation of polyhedral water cages of (H ₂ O) _n (n=20, 24, and 28) encaging CH ₄ and SF ₆ as guest molecules. <i>Chemical Physics</i> , 2014, 441, 128-136.	1.9	4
21	Effects of MgO Coating on the Structural and Electrochemical Characteristics of LiCoO ₂ as Cathode Materials for Lithium Ion Battery. <i>Chemistry of Materials</i> , 2014, 26, 2537-2543.	6.7	164