

Yeyoung Ha

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of Concentration on the Electrochemistry and Speciation of the Magnesium Aluminum Chloride Complex Electrolyte Solution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35729-35739.	8.0	60
2	Enhanced Interfacial Stability of Si Anodes for Li-Ion Batteries via Surface SiO ₂ Coating. <i>ACS Applied Energy Materials</i> , 2020, 3, 8842-8849.	5.1	38
3	Effect of Water Concentration in LiPF ₆ -Based Electrolytes on the Formation, Evolution, and Properties of the Solid Electrolyte Interphase on Si Anodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49563-49573.	8.0	27
4	Probing the Evolution of Surface Chemistry at the Silicon-Electrolyte Interphase via In Situ Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 286-291.	4.6	23
5	Long-term cyclability of Li ₄ Ti ₅ O ₁₂ /LiMn ₂ O ₄ cells using carbonate-based electrolytes for behind-the-meter storage applications. <i>Energy Storage Materials</i> , 2021, 38, 581-589.	18.0	23
6	Electrochemical Surface Stress Development during CO and NO Oxidation on Pt. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8674-8683.	3.1	22
7	Lowering the Activation Barriers for Lithium-Ion Conductivity through Orientational Disorder in the Cyanide Argyrodite Li ₆ PS ₅ CN. <i>Chemistry of Materials</i> , 2021, 33, 5127-5136.	6.7	17
8	In situ surface stress measurement and computational analysis examining the oxygen reduction reaction on Pt and Pd. <i>Electrochimica Acta</i> , 2018, 260, 400-406.	5.2	14
9	Li ₂ O-Based Cathode Additives Enabling Prelithiation of Si Anodes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 12027.	2.5	12
10	Improving Interface Stability of Si Anodes by Mg Coating in Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 11534-11539.	5.1	10
11	Dynamic Surface Stress Response during Reversible Mg Electrodeposition and Stripping. <i>Journal of the Electrochemical Society</i> , 2016, 163, A2679-A2684.	2.9	9
12	Evaluating temperature dependent degradation mechanisms of silicon-graphite electrodes and the effect of fluoroethylene carbonate electrolyte additive. <i>Electrochimica Acta</i> , 2021, 394, 139097.	5.2	9
13	Carbon-Binder Weight Loading Optimization for Improved Lithium-Ion Battery Rate Capability. <i>Journal of the Electrochemical Society</i> , 2022, 169, 070519.	2.9	7
14	Evaluating the Effect of Electrolyte Additive Functionalities on NMC622/Si Cell Performance. <i>Journal of the Electrochemical Society</i> , 2022, 169, 070515.	2.9	6
15	Impact of Electrode Thickness and Temperature on the Rate Capability of Li ₄ Ti ₅ O ₁₂ /LiMn ₂ O ₄ Cells. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110536.	2.9	5
16	Pathways Toward High-energy Li-sulfur Batteries, Identified via Multi-reaction Chemical Modeling. <i>Journal of the Electrochemical Society</i> , 2022, 169, 010520.	2.9	1