Hee Jung Chang

List of Publications by Year
in descending order

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15	1,505	623734 14	996975 15
papers	citations	h-index	g-index

15	15	15	2085
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Performance InZn Alloy Anodes toward Practical Aqueous Zinc Batteries. ACS Energy Letters, 2022, 7, 1888-1895.	17.4	26
2	Mechanistic investigation of redox processes in Znâ€“MnO₂ battery in mild aqueous electrolytes. Journal of Materials Chemistry A, 2021, 9, 20766-20775.	10.3	18
3	Electrodeposited Zinc-Based Films as Anodes for Aqueous Zinc Batteries. ACS Applied Materials & Interfaces, 2020, 12, 42763-42772.	8.0	43
4	An Intermediate-Temperature High-Performance Naâ€“ZnCl₂ Battery. ACS Omega, 2018, 3, 15702-15708.	3.5	20
5	Development of intermediate temperature sodium nickel chloride rechargeable batteries using conventional polymer sealing technologies. Journal of Power Sources, 2017, 348, 150-157.	7.8	36
6	Effect of cathode thickness on the performance of planar Na-NiCl2 battery. Journal of Power Sources, 2017, 365, 456-462.	7.8	14
7	Rechargeable Mgâ€“Li hybrid batteries: status and challenges. Journal of Materials Research, 2016, 31, 3125-3141.	2.6	92
8	Real-time 3D imaging of microstructure growth in battery cells using indirect MRI. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10779-10784.	7.1	110
9	Advanced intermediate temperature sodiumâ€“nickel chloride batteries with ultra-high energy density. Nature Communications, 2016, 7, 10683.	12.8	92
10	Investigating Li Microstructure Formation on Li Anodes for Lithium Batteries by in Situ ⁶Li/⁷Li NMR and SEM. Journal of Physical Chemistry C, 2015, 119, 16443-16451.	3.1	130
11	Correlating Microstructural Lithium Metal Growth with Electrolyte Salt Depletion in Lithium Batteries Using ⁷Li MRI. Journal of the American Chemical Society, 2015, 137, 15209-15216.	13.7	221
12	Three-dimensional characterization of electrodeposited lithium microstructures using synchrotron X-ray phase contrast imaging. Chemical Communications, 2015, 51, 266-268.	4.1	133
13	Visualizing skin effects in conductors with MRI: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si5.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msup></mml:mrow></mml:math>Li MRI experiments and calculations. Journal of Magnetic Resonance, 2014, 245, 143-149.	2.1	63
14	7Li MRI of Li batteries reveals location of microstructural lithium. Nature Materials, 2012, 11, 311-315.	27.5	390
15	In situ NMR of lithium ion batteries: Bulk susceptibility effects and practical considerations. Solid State Nuclear Magnetic Resonance, 2012, 42, 62-70.	2.3	117