

Ah-Young Song

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1404145/publications.pdf>

Version: 2024-02-01

11
papers

430
citations

1478505

6
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

700
citing authors

#	ARTICLE	IF	CITATIONS
1	Cycle stability of conversion-type iron fluoride lithium battery cathode at elevated temperatures in polymer electrolyte composites. <i>Nature Materials</i> , 2019, 18, 1343-1349.	27.5	127
2	Electrolyte melt infiltration for scalable manufacturing of inorganic all-solid-state lithium-ion batteries. <i>Nature Materials</i> , 2021, 20, 984-990.	27.5	105
3	Hollow titanium dioxide spheres as anode material for lithium ion battery with largely improved rate stability and cycle performance by suppressing the formation of solid electrolyte interface layer. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13340-13349.	10.3	71
4	Protons Enhance Conductivities in Lithium Halide Hydroxide/Lithium Oxyhalide Solid Electrolytes by Forming Rotating Hydroxy Groups. <i>Advanced Energy Materials</i> , 2018, 8, 1700971.	19.5	65
5	Understanding Li ⁺ Ion Dynamics in Lithium Hydroxychloride (Li ₂ OHCl) Solid State Electrolyte via Addressing the Role of Protons. <i>Advanced Energy Materials</i> , 2020, 10, 1903480.	19.5	29
6	Mechanisms of Transformation of Bulk Aluminum ⁺ Lithium Alloys to Aluminum Metal ⁺ Organic Nanowires. <i>Journal of the American Chemical Society</i> , 2018, 140, 12493-12500.	13.7	15
7	Conversion of Mg ⁺ Li Bimetallic Alloys to Magnesium Alkoxide and Magnesium Oxide Ceramic Nanowires. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 403-408.	13.8	9
8	Flexible Nanofiber ⁺ Reinforced Solid Polymer Lithium ⁺ Ion Battery. <i>Energy Technology</i> , 2019, 7, 1900064.	3.8	6
9	Ion Conductivities: Protons Enhance Conductivities in Lithium Halide Hydroxide/Lithium Oxyhalide Solid Electrolytes by Forming Rotating Hydroxy Groups (Adv. Energy Mater. 3/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870014.	19.5	2
10	Conversion of Mg ⁺ Li Bimetallic Alloys to Magnesium Alkoxide and Magnesium Oxide Ceramic Nanowires. <i>Angewandte Chemie</i> , 2020, 132, 411-416.	2.0	1
11	Synthesis of Mg Alkoxide Nanowires from Mg Alkoxide Nanoparticles upon Ligand Exchange. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13820-13827.	8.0	0