

Huan Huang

List of Publications by Year in descending order

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14
papers

1,679
citations

623734

14
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Stable Halide-Based All-Solid-State Li-Se Batteries. <i>Advanced Materials</i> , 2022, 34, e2200856.	21.0	50
2	Solvent-Free Approach for Interweaving Freestanding and Ultrathin Inorganic Solid Electrolyte Membranes. <i>ACS Energy Letters</i> , 2022, 7, 410-416.	17.4	91
3	Identifying soft breakdown in all-solid-state lithium battery. <i>Joule</i> , 2022, 6, 1770-1781.	24.0	71
4	A universal wet-chemistry synthesis of solid-state halide electrolytes for all-solid-state lithium-metal batteries. <i>Science Advances</i> , 2021, 7, eabh1896.	10.3	93
5	Superionic conductivity in lithium argyrodite solid-state electrolyte by controlled Cl-doping. <i>Nano Energy</i> , 2020, 69, 104396.	16.0	76
6	Tuning ionic conductivity and electrode compatibility of Li ₃ YBr ₆ for high-performance all solid-state Li batteries. <i>Nano Energy</i> , 2020, 77, 105097.	16.0	41
7	Origin of Superionic Li ₃ YInCl ₆ Halide Solid Electrolytes with High Humidity Tolerance. <i>Nano Letters</i> , 2020, 20, 4384-4392.	9.1	94
8	Single crystal cathodes enabling high-performance all-solid-state lithium-ion batteries. <i>Energy Storage Materials</i> , 2020, 30, 98-103.	18.0	109
9	Interface-assisted in-situ growth of halide electrolytes eliminating interfacial challenges of all-inorganic solid-state batteries. <i>Nano Energy</i> , 2020, 76, 105015.	16.0	80
10	Halide-based solid-state electrolyte as an interfacial modifier for high performance solid-state Li-O ₂ batteries. <i>Nano Energy</i> , 2020, 75, 105036.	16.0	45
11	Site-Occupation-Tuned Superionic Li ₃ ScCl ₃ Halide Solid Electrolytes for All-Solid-State Batteries. <i>Journal of the American Chemical Society</i> , 2020, 142, 7012-7022.	13.7	260
12	Water-Mediated Synthesis of a Superionic Halide Solid Electrolyte. <i>Angewandte Chemie</i> , 2019, 131, 16579-16584.	2.0	92
13	Water-Mediated Synthesis of a Superionic Halide Solid Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16427-16432.	13.8	232
14	Air-stable Li ₃ InCl ₆ electrolyte with high voltage compatibility for all-solid-state batteries. <i>Energy and Environmental Science</i> , 2019, 12, 2665-2671.	30.8	345