Huan Huang

List of Publications by Year
in descending order

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	Air-stable Li₃InCl₆ electrolyte with high voltage compatibility for all-solid-state batteries. Energy and Environmental Science, 2019, 12, 2665-2671.	30.8	345
2	Site-Occupation-Tuned Superionic Li_xScCl_{3+x}Halide Solid Electrolytes for All-Solid-State Batteries. Journal of the American Chemical Society, 2020, 142, 7012-7022.	13.7	260
3	Waterâ€Mediated Synthesis of a Superionic Halide Solid Electrolyte. Angewandte Chemie - International Edition, 2019, 58, 16427-16432.	13.8	232
4	Single crystal cathodes enabling high-performance all-solid-state lithium-ion batteries. Energy Storage Materials, 2020, 30, 98-103.	18.0	109
5	Origin of Superionic Li₃Y_{1â€“x}In_xCl₆ Halide Solid Electrolytes with High Humidity Tolerance. Nano Letters, 2020, 20, 4384-4392.	9.1	94
6	A universal wet-chemistry synthesis of solid-state halide electrolytes for all-solid-state lithium-metal batteries. Science Advances, 2021, 7, eabh1896.	10.3	93
7	Waterâ€Mediated Synthesis of a Superionic Halide Solid Electrolyte. Angewandte Chemie, 2019, 131, 16579-16584.	2.0	92
8	Solvent-Free Approach for Interweaving Freestanding and Ultrathin Inorganic Solid Electrolyte Membranes. ACS Energy Letters, 2022, 7, 410-416.	17.4	91
9	Interface-assisted in-situ growth of halide electrolytes eliminating interfacial challenges of all-inorganic solid-state batteries. Nano Energy, 2020, 76, 105015.	16.0	80
10	Superionic conductivity in lithium argyrodite solid-state electrolyte by controlled Cl-doping. Nano Energy, 2020, 69, 104396.	16.0	76
11	Identifying soft breakdown in all-solid-state lithium battery. Joule, 2022, 6, 1770-1781.	24.0	71
12	Highly Stable Halideâ€Electrolyteâ€Based Allâ€Solidâ€State Liâ€“Se Batteries. Advanced Materials, 2022, 34, e2200856.	21.0	50
13	Halide-based solid-state electrolyte as an interfacial modifier for high performance solid-state Liâ€“O2 batteries. Nano Energy, 2020, 75, 105036.	16.0	45
14	Tuning ionic conductivity and electrode compatibility of Li3YBr6 for high-performance all solid-state Li batteries. Nano Energy, 2020, 77, 105097.	16.0	41