

Haomin Chen

List of Publications by Year in descending order

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12
papers

821
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759233

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times ranked

1008
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>softBV</i> – a software tool for screening the materials genome of inorganic fast ion conductors. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 18-33.	1.1	238
2	Bond softness sensitive bond-valence parameters for crystal structure plausibility tests. <i>IUCr</i> , 2017, 4, 614-625.	2.2	135
3	Bond Valence Pathway Analyzer – An Automatic Rapid Screening Tool for Fast Ion Conductors within <i>softBV</i> . <i>Chemistry of Materials</i> , 2021, 33, 625-641.	6.7	112
4	Proton enhanced dynamic battery chemistry for aprotic lithium-oxygen batteries. <i>Nature Communications</i> , 2017, 8, 14308.	12.8	104
5	$\text{Na}_{3+x}\text{M}_x\text{P}_{1-x}\text{S}_4$ (M = Ge ⁴⁺), <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> $\text{Na}_{2+2x}\text{Fe}_2(\text{SO}_4)_3$ $\text{Na}_{3+x}\text{M}_x\text{P}_{1-x}\text{S}_4$ <i>Journal of Materials Chemistry A</i> , 2017, 5, 3377-3388.	10.3	62
6	Design of fast ion conducting cathode materials for grid-scale sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7506-7523.	2.8	45
7	Electrochemical and Diffusional Investigation of $\text{Na}_2\text{FePO}_4\text{F}$ Fluorophosphate Sodium Insertion Material Obtained from Fe^{III} Precursor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34961-34969.	8.0	28
8	Stable Lithium Ion Conducting Thiophosphate Solid Electrolytes $\text{Li}_x(\text{PS}_4)_y\text{X}_z$ (X = Cl, Br, I). <i>Chemistry of Materials</i> , 2019, 31, 8649-8662.	6.7	24
9	Thermochemical CO_2 splitting using double perovskite-type $\text{Ba}_{2-x}\text{Ca}_{0.66-x}\text{Nb}_{1.34-x}\text{Fe}_x\text{O}_6$. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6874-6883.	10.3	23
10	Fundamental principles and development of proximity-field nanopatterning toward advanced 3D nanofabrication. <i>Nano Research</i> , 2021, 14, 2965-2980.	10.4	21
11	Interdigitated Three-Dimensional Heterogeneous Nanocomposites for High-Performance Mechanochromic Smart Membranes. <i>ACS Nano</i> , 2022, 16, 68-77.	14.6	15
12	Mechanoresponsive scatterers for high-contrast optical modulation. <i>Nanophotonics</i> , 2022, 11, 2737-2762.	6.0	14