

# Haomin Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1798567/publications.pdf>

Version: 2024-02-01

12  
papers

821  
citations

759233

12  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

1008  
citing authors

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