

Bo Gao

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

625
citations

840776

11
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface structure prediction via CALYPSO method. Science Bulletin, 2019, 64, 301-309.	9.0	219
2	Tunable Doping of Rhenium and Vanadium into Transition Metal Dichalcogenides for Two-Dimensional Electronics. Advanced Science, 2021, 8, e2004438.	11.2	66
3	Li ⁺ Transport Mechanism at the Heterogeneous Cathode/Solid Electrolyte Interface in an All-Solid-State Battery via the First-Principles Structure Prediction Scheme. Chemistry of Materials, 2020, 32, 85-96.	6.7	52
4	Surface-Dependent Stability of the Interface between Garnet Li ₇ La ₃ Zr ₂ O ₁₂ and the Li Metal in the All-Solid-State Battery from First-Principles Calculations. ACS Applied Materials & Interfaces, 2020, 12, 16350-16358.	8.0	52
5	Electron and Ion Transfer across Interfaces of the NASICON-Type LATP Solid Electrolyte with Electrodes in All-Solid-State Batteries: A Density Functional Theory Study via an Explicit Interface Model. ACS Applied Materials & Interfaces, 2020, 12, 54752-54762.	8.0	44
6	Nanometer-size Na cluster formation in micropore of hard carbon as origin of higher-capacity Na-ion battery. Npj Computational Materials, 2021, 7, .	8.7	39
7	Structure Prediction of Atoms Adsorbed on Two-Dimensional Layer Materials: Method and Applications. Journal of Physical Chemistry C, 2015, 119, 20111-20118.	3.1	36
8	First-Principles Study of Microscopic Electrochemistry at the LiCoO ₂ Cathode/LiNbO ₃ Coating ^{1/2} -Li ₃ PS ₄ Solid Electrolyte Interfaces in an All-Solid-State Battery. ACS Applied Materials & Interfaces, 2021, 13, 11765-11773.	8.0	29
9	Revealing Atomic-scale Ionic Stability and Transport around Grain Boundaries of Garnet Li ₇ La ₃ Zr ₂ O ₁₂ Solid Electrolyte. Advanced Energy Materials, 2022, 12, .	19.5	25
10	Mixed-Salt Enhanced Chemical Vapor Deposition of Two-Dimensional Transition Metal Dichalcogenides. Chemistry of Materials, 2021, 33, 7301-7308.	6.7	22
11	Theoretical study on stability and ion transport property with halide doping of Na ₃ SbS ₄ electrolyte for all-solid-state batteries. Journal of Materials Chemistry A, 2022, 10, 2235-2248.	10.3	17
12	Atomistic insight into the dopant impacts at the garnet Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolyte grain boundaries. Journal of Materials Chemistry A, 2022, 10, 10083-10091.	10.3	13
13	Structure search of two-dimensional systems using CALYPSO methodology. Frontiers of Physics, 2022, 17, 1.	5.0	11