Hong Woo Lee

List of Publications by Year
in descending order

10 papers	236 citations	1307594 7 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	401 citing authors

#	Article	IF	Citations
1	Mechanism of sodium adsorption on N-doped graphene nanoribbons for sodium ion battery applications: A density functional theory approach. Carbon, 2017, 119, 492-501.	10.3	68
2	Hydrogen Bonding-Mediated Enhancement of Bioinspired Electrochemical Nitrogen Reduction on Cu_{2â€“x}S Catalysts. ACS Catalysis, 2020, 10, 10577-10584.	11.2	43
3	Atomistic Sodiation Mechanism of a Phosphorene/Graphene Heterostructure for Sodium-Ion Batteries Determined by First-Principles Calculations. Journal of Physical Chemistry C, 2018, 122, 20653-20660.	3.1	35
4	Activity, Selectivity, and Durability of Ruthenium Nanoparticle Catalysts for Ammonia Synthesis by Reactive Molecular Dynamics Simulation: The Size Effect. ACS Applied Materials & Interfaces, 2018, 10, 26188-26194.	8.0	27
5	High-throughput computational-experimental screening protocol for the discovery of bimetallic catalysts. Npj Computational Materials, 2021, 7, .	8.7	20
6	Atomistic Simulation Protocol for Improved Design of Siâ€“Oâ€“C Hybrid Nanostructures as Li-Ion Battery Anodes: ReaxFF Reactive Force Field. Journal of Physical Chemistry C, 2017, 121, 23268-23275.	3.1	14
7	Solid-solution alloying of immiscible Pt and Au boosts catalytic performance for H2O2 direct synthesis. Acta Materialia, 2021, 205, 116563.	7.9	10
8	Improved Description of a Coordinate Bond in the ReaxFF Reactive Force Field. Journal of Physical Chemistry Letters, 2019, 10, 7293-7299.	4.6	7
9	Atomistic Insights into H₂O₂ Direct Synthesis of Niâ€“Pt Nanoparticle Catalysts under Water Solvents by Reactive Molecular Dynamics Simulations. ACS Applied Materials & Interfaces, 2021, 13, 17577-17585.	8.0	7
10	Three-in-One Strategy to Improve Both Catalytic Activity and Selectivity: Nonconcentric Pdâ€“Au Nanoparticles. Journal of Physical Chemistry Letters, 2021, 12, 11098-11105.	4.6	5