

Kyoung E Kweon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/74376/publications.pdf>

Version: 2024-02-01

13
papers

298
citations

1478505
6
h-index

1281871
11
g-index

13
all docs

13
docs citations

13
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Cover Feature: Amorphization of Pseudocapacitive $Ta^3Nb_{2-x}O_5$ Accelerates Lithium Diffusivity as Revealed Using Tunable Isomorphic Architectures (Batteries & Supercaps) <i>TJ ETQq1</i> 1 0.784314 rgBT /Overloo	0.784314	rgBT /Overloo
2	Behavior of Na and Rb Treated CdS/Cu(In,Ga)Se ₂ Solar Cells with Stress Testing under Heat, Light, and Junction Bias. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000530.	2.4	3
3	Rapid In Situ Ligand Exchange Process Used to Prepare 3D PbSe Nanocrystal Superlattice Infrared Photodetectors. <i>Small</i> , 2021, 17, e2101166.	10.0	4
4	Semi-Automated Creation of Density Functional Tight Binding Models through Leveraging Chebyshev Polynomial-Based Force Fields. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 4435-4448.	5.3	16
5	Using DFTB to Model Photocatalytic Anatase-Rutile TiO ₂ Nanocrystalline Interfaces and Their Band Alignment. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 5239-5247.	5.3	3
6	Intercalation of Lithium into Graphite: Insights from First-Principles Simulations. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21985-21992.	3.1	11
7	Quantifying Large Lattice Relaxations in Photovoltaic Devices. <i>Physical Review Applied</i> , 2020, 13, .	3.8	7
8	Effects of Alkali and Oxidation Treatments on Efficiency and Stability of CdS/CIGS Solar Cells. , 2020, , .		0
9	Carbon Incorporation and Anion Dynamics as Synergistic Drivers for Ultrafast Diffusion in Superionic LiCB ₁₁ H ₁₂ and NaCB ₁₁ H ₁₂ . <i>Advanced Energy Materials</i> , 2018, 8, 1703422.	19.5	72
10	First principles study of the structural, electronic, and optical properties of Sn ²⁺ -doped ZnO-P2O ₅ glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 492, 108-114.	3.1	6
11	Solvation and Dynamics of Sodium and Potassium in Ethylene Carbonate from ab Initio Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21913-21920.	3.1	152
12	First-principles study of atomic and electronic structures of $\text{Li}_{1-x}\text{Na}_x\text{C}_6\text{O}_4$ and $\text{Li}_{1-x}\text{Na}_x\text{C}_6\text{O}_4$ glide dislocations in CdTe. <i>Physical Review B</i> , 2016, 93, .	3.2	20
13	Amorphization of Pseudocapacitive $Ta^3Nb_{2-x}O_5$ Accelerates Lithium Diffusivity as Revealed Using Tunable Isomorphic Architectures. <i>Batteries and Supercaps</i> , 0, , .	4.7	3