

Kyoung E Kweon

List of Publications by Year in descending order

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13
papers

298
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1478505

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1281871

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times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	First-principles study of atomic and electronic structures of α - and β - and glide dislocations in CdTe. <i>Physical Review B</i> , 2016, 93, .	3.2	20
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	Intercalation of Lithium into Graphite: Insights from First-Principles Simulations. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21985-21992.	3.1	11
6	Quantifying Large Lattice Relaxations in Photovoltaic Devices. <i>Physical Review Applied</i> , 2020, 13, .	3.8	7
7	First principles study of the structural, electronic, and optical properties of Sn ²⁺ -doped ZnO/P ₂ O ₅ glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 492, 108-114.	3.1	6
8	Rapid In Situ Ligand Exchange Process Used to Prepare 3D PbSe Nanocrystal Superlattice Infrared Photodetectors. <i>Small</i> , 2021, 17, e2101166.	10.0	4
9	Behavior of Na and Rb-F ⁻ -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
10	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
11	Amorphization of Pseudocapacitive Ta ⁵⁺ Nb ₂ O ₅ Accelerates Lithium Diffusivity as Revealed Using Tunable Isomorphic Architectures. <i>Batteries and Supercaps</i> , 0, , .	4.7	3
12	Cover Feature: Amorphization of Pseudocapacitive Ta ⁵⁺ Nb ₂ O ₅ Accelerates Lithium Diffusivity as Revealed Using Tunable Isomorphic Architectures (<i>Batteries & Supercaps</i>)	10.0	10
13	Effects of Alkali and Oxidation Treatments on Efficiency and Stability of CdS/CIGS Solar Cells. , 2020, , .		0