

Won June Kim

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

421
citations

759233

12
h-index

752698

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21
all docs

21
docs citations

21
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-synthesis of Ammonia from Dilute Nitric Oxide on a Gas Diffusion Electrode. ACS Energy Letters, 2022, 7, 958-965.	17.4	52
2	MolNet: A Chemically Intuitive Graph Neural Network for Prediction of Molecular Properties. Chemistry - an Asian Journal, 2022, 17, .	3.3	3
3	Lifshitz Transition and Non-Fermi Liquid Behavior in Highly Doped Semimetals. Advanced Materials, 2021, 33, 2005742.	21.0	5
4	Adsorption mechanisms of fatty acids on fluorite unraveled by infrared spectroscopy and first-principles calculations. Journal of Colloid and Interface Science, 2021, 583, 692-703.	9.4	50
5	Effects of Pooling Operations on Prediction of Ligand Rotation-Dependent Protein-Ligand Binding in 3D Graph Convolutional Network. Bulletin of the Korean Chemical Society, 2021, 42, 744-747.	1.9	4
6	Assessment and prediction of band edge locations of nitrides using a self-consistent hybrid functional. Journal of Chemical Physics, 2021, 155, 024120.	3.0	1
7	Rotational Variance-Based Data Augmentation in 3D Graph Convolutional Network. Chemistry - an Asian Journal, 2021, 16, 2610-2613.	3.3	6
8	First principles investigations of the optical selectivity of titanium carbide-based materials for concentrating solar power applications. Journal of Materials Chemistry C, 2021, 9, 7591-7598.	5.5	4
9	Theoretical study of the microscopic origin of magnetocrystalline anisotropy in Fe ₁₆ N ₂ and its alloys: comparison with the other L1 ₀ alloys. Journal of Physics Condensed Matter, 2020, 32, 035801.	1.8	12
10	uMBD: A Materials-Ready Dispersion Correction That Uniformly Treats Metallic, Ionic, and van der Waals Bonding. Journal of the American Chemical Society, 2020, 142, 2346-2354.	13.7	29
11	Electronic Structure of Heavy Halogen Atoms Adsorbed on the Cu(111) Surface: A Combined ARPES and First Principles Calculations Study. Journal of Physical Chemistry C, 2019, 123, 26309-26314.	3.1	3
12	Electronic Structure and Band Alignments of Various Phases of Titania Using the Self-Consistent Hybrid Density Functional and DFT+U Methods. Frontiers in Chemistry, 2019, 7, 47.	3.6	12
13	Benchmarking the performance of approximate van der Waals methods for the structural and energetic properties of SiO ₂ and AlPO ₄ frameworks. Journal of Chemical Physics, 2019, 150, 094102.	3.0	24
14	Cluster Expansion Method for Simulating Realistic Size of Nanoparticle Catalysts with an Application in CO ₂ Electroreduction. Journal of Physical Chemistry C, 2018, 122, 9245-9254.	3.1	17
15	Benchmarking several van der Waals dispersion approaches for the description of intermolecular interactions. Journal of Chemical Physics, 2018, 148, 064112.	3.0	37
16	First-Principles Studies on Twinability of Magnesium Alloys: Effects of Yttrium and Lithium on σ_{11} and σ_{12} . Metals and Materials International, 2018, 24, 720-729.	3.4	6
17	Recent development of atom-pairwise van der waals corrections for density functional theory: From molecules to solids. International Journal of Quantum Chemistry, 2016, 116, 598-607.	2.0	19
18	Failure of Density Functional Dispersion Correction in Metallic Systems and Its Possible Solution Using a Modified Many-Body Dispersion Correction. Journal of Physical Chemistry Letters, 2016, 7, 3278-3283.	4.6	13

#	ARTICLE	IF	CITATIONS
19	Tuned Chemical Bonding Ability of Au at Grain Boundaries for Enhanced Electrochemical CO ₂ Reduction. ACS Catalysis, 2016, 6, 4443-4448.	11.2	103
20	First-Principles Study of the $\sqrt{2} \times \sqrt{2}$ Phase Transition of Ferroelectric Poly(vinylidene difluoride): Observation of Multiple Transition Pathways. Journal of Physical Chemistry B, 2016, 120, 3240-3249.	2.6	21