

Minho Kim

List of Publications by Year in descending order

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17
papers

1,673
citations

840776

11
h-index

940533

16
g-index

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all docs

17
docs citations

17
times ranked

3067
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic interaction between transition metal single-atoms and anatase TiO ₂ boosts CO ₂ photoreduction with H ₂ O. Energy and Environmental Science, 2022, 15, 601-609.	30.8	88
2	Physicochemical Understanding of the Impact of Pore Environment and Species of Adsorbates on Adsorption Behaviour. Angewandte Chemie, 2021, 133, 20667-20673.	2.0	1
3	Physicochemical Understanding of the Impact of Pore Environment and Species of Adsorbates on Adsorption Behaviour. Angewandte Chemie - International Edition, 2021, 60, 20504-20510.	13.8	8
4	Establishing the accuracy of density functional approaches for the description of noncovalent interactions in ionic liquids. Physical Chemistry Chemical Physics, 2021, 23, 25558-25564.	2.8	5
5	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
6	Establishing the accuracy of density functional approaches for the description of noncovalent interactions in biomolecules. Physical Chemistry Chemical Physics, 2020, 22, 21685-21695.	2.8	4
7	Understanding the relative efficacies and versatile roles of 2D conductive nanosheets in hybrid-type photocatalyst. Applied Catalysis B: Environmental, 2019, 257, 117875.	20.2	19
8	Reversible and cooperative photoactivation of single-atom Cu/TiO ₂ photocatalysts. Nature Materials, 2019, 18, 620-626.	27.5	501
9	Probing Surface Chemistry at an Atomic Level: Decomposition of 1-Propanethiol on GaP(001) (2 Å ⁻⁴) Investigated by STM, XPS, and DFT. Journal of Physical Chemistry C, 2019, 123, 2964-2972.	3.1	0
10	Bifunctional 2D Superlattice Electrocatalysts of Layered Double Hydroxide-Transition Metal Dichalcogenide Active for Overall Water Splitting. ACS Energy Letters, 2018, 3, 952-960.	17.4	140
11	Carbon Monoxide as a Promoter of Atomically Dispersed Platinum Catalyst in Electrochemical Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2018, 140, 16198-16205.	13.7	74
12	A rational method to kinetically control the rate-determining step to explore efficient electrocatalysts for the oxygen evolution reaction. NPG Asia Materials, 2018, 10, 659-669.	7.9	66
13	Hybridization of a Metal-Organic Framework with a Two-Dimensional Metal Oxide Nanosheet: Optimization of Functionality and Stability. Chemistry of Materials, 2017, 29, 1028-1035.	6.7	18
14	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
15	Exfoliated Metal Oxide Nanosheets as Effective and Applicable Substrates for Atomically Dispersed Metal Nanoparticles with Tailorable Functionalities. Advanced Materials Interfaces, 2016, 3, 1600661.	3.7	5
16	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
17	Tuning selectivity of electrochemical reactions by atomically dispersed platinum catalyst. Nature Communications, 2016, 7, 10922.	12.8	683