

Rasmus Kronberg

List of Publications by Year in descending order

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11
papers

608
citations

933264

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1281743

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docs citations

11
times ranked

1237
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Activation of Single-Walled Carbon Nanotubes with Pseudo-Atomic-Scale Platinum for the Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2017, 7, 3121-3130.	5.5	279
2	Hydrogen adsorption on MoS ₂ -surfaces: a DFT study on preferential sites and the effect of sulfur and hydrogen coverage. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16231-16241.	1.3	64
3	Hydrogen adsorption on doped MoS ₂ nanostructures. <i>Scientific Reports</i> , 2017, 7, 15243.	1.6	56
4	Reconciling the Experimental and Computational Hydrogen Evolution Activities of Pt(111) through DFT-Based Constrained MD Simulations. <i>ACS Catalysis</i> , 2021, 11, 8062-8078.	5.5	52
5	Revisiting the Volmer-Heyrovsk $\frac{1}{2}$ mechanism of hydrogen evolution on a nitrogen doped carbon nanotube: constrained molecular dynamics <i>versus</i> the nudged elastic band method. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 10536-10549.	1.3	47
6	A platinum nanowire electrocatalyst on single-walled carbon nanotubes to drive hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118582.	10.8	31
7	Active site manipulation in MoS ₂ cluster electrocatalysts by transition metal doping. <i>Nanoscale</i> , 2020, 12, 4459-4472.	2.8	27
8	Hydrogen Adsorption on Defective Nitrogen-Doped Carbon Nanotubes Explained via Machine Learning Augmented DFT Calculations and Game-Theoretic Feature Attributions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15918-15933.	1.5	19
9	Coupling Surface Coverage and Electrostatic Effects on the Interfacial Water Structure of Hydrogenated Single-Crystal Platinum Electrodes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13706-13714.	1.5	15
10	Experimental and Computational Investigation of Hydrogen Evolution Reaction Mechanism on Nitrogen Functionalized Carbon Nanotubes. <i>ChemCatChem</i> , 2018, 10, 3872-3882.	1.8	14
11	Dynamics and Surface Propensity of H ⁺ and OH ⁻ within Rigid Interfacial Water: Implications for Electrocatalysis. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10128-10134.	2.1	4