

Shinjae Hwang

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

595
citations

1307594

7
h-index

1720034

7
g-index

8
all docs

8
docs citations

8
times ranked

1208
citing authors

#	ARTICLE	IF	CITATIONS
1	Creating Functional Oxynitride-Silicon Interfaces and SrNbO ₂ N Thin Films for Photoelectrochemical Applications. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5970-5979.	3.1	1
2	CO ₂ electro-reduction on Cu ₃ P: Role of Cu(I) oxidation state and surface facet structure in C ₁ -formate production and H ₂ selectivity. <i>Electrochimica Acta</i> , 2021, 391, 138889.	5.2	27
3	Surface Hydrides on Fe ₂ P Electrocatalyst Reduce CO ₂ at Low Overpotential: Steering Selectivity to Ethylene Glycol. <i>Journal of the American Chemical Society</i> , 2021, 143, 21275-21285.	13.7	34
4	Highly efficient and durable III-V semiconductor-catalyst photocathodes <i>via</i> a transparent protection layer. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1437-1442.	4.9	9
5	Creating stable interfaces between reactive materials: titanium nitride protects photoabsorber-catalyst interface in water-splitting photocathodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2400-2411.	10.3	25
6	Climbing the Volcano of Electrocatalytic Activity while Avoiding Catalyst Corrosion: Ni ₃ P, a Hydrogen Evolution Electrocatalyst Stable in Both Acid and Alkali. <i>ACS Catalysis</i> , 2018, 8, 4408-4419.	11.2	178
7	Selective CO ₂ reduction to C ₃ and C ₄ oxyhydrocarbons on nickel phosphides at overpotentials as low as 10 mV. <i>Energy and Environmental Science</i> , 2018, 11, 2550-2559.	30.8	165
8	Coordination Geometry and Oxidation State Requirements of Corner-Sharing MnO ₆ Octahedra for Water Oxidation Catalysis: An Investigation of Manganite (̇ ³ -MnOOH). <i>ACS Catalysis</i> , 2016, 6, 2089-2099.	11.2	156