

# Shinjae Hwang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/211697/publications.pdf>

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8  
papers

595  
citations

1307594

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h-index

1720034

7  
g-index

8  
all docs

8  
docs citations

8  
times ranked

1208  
citing authors

#	ARTICLE	IF	CITATIONS
1	Climbing the Volcano of Electrocatalytic Activity while Avoiding Catalyst Corrosion: Ni <sub>3</sub> P, a Hydrogen Evolution Electrocatalyst Stable in Both Acid and Alkali. ACS Catalysis, 2018, 8, 4408-4419.	11.2	178
2	Selective CO <sub>2</sub> reduction to C <sub>3</sub> and C <sub>4</sub> oxyhydrocarbons on nickel phosphides at overpotentials as low as 10 mV. Energy and Environmental Science, 2018, 11, 2550-2559.	30.8	165
3	Coordination Geometry and Oxidation State Requirements of Corner-Sharing MnO <sub>6</sub> Octahedra for Water Oxidation Catalysis: An Investigation of Manganite (Î³-MnOOH). ACS Catalysis, 2016, 6, 2089-2099.	11.2	156
4	Surface Hydrides on Fe <sub>2</sub> P Electrocatalyst Reduce CO <sub>2</sub> at Low Overpotential: Steering Selectivity to Ethylene Glycol. Journal of the American Chemical Society, 2021, 143, 21275-21285.	13.7	34
5	CO <sub>2</sub> electro-reduction on Cu <sub>3</sub> P: Role of Cu(I) oxidation state and surface facet structure in C1-formate production and H <sub>2</sub> selectivity. Electrochimica Acta, 2021, 391, 138889.	5.2	27
6	Creating stable interfaces between reactive materials: titanium nitride protects photoabsorber-catalyst interface in water-splitting photocathodes. Journal of Materials Chemistry A, 2019, 7, 2400-2411.	10.3	25
7	Highly efficient and durable III-V semiconductor-catalyst photocathodes <i>via</i> a transparent protection layer. Sustainable Energy and Fuels, 2020, 4, 1437-1442.	4.9	9
8	Creating Functional Oxynitride-Silicon Interfaces and SrNbO <sub>2</sub> N Thin Films for Photoelectrochemical Applications. Journal of Physical Chemistry C, 2022, 126, 5970-5979.	3.1	1