

# Peng Zhu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6632848/publications.pdf>

Version: 2024-02-01

14  
papers

3,629  
citations

687363

13  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

2664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory-oriented screening and discovery of advanced energy transformation materials in electrocatalysis. , 2022, 1, 100013.		273
2	Proton sponge promotion of electrochemical CO <sub>2</sub> reduction to multi-carbon products. Joule, 2022, 6, 205-220.	24.0	57
3	Recovering carbon losses in CO <sub>2</sub> electrolysis using a solid electrolyte reactor. Nature Catalysis, 2022, 5, 288-299.	34.4	90
4	Efficient conversion of low-concentration nitrate sources into ammonia on a Ru-dispersed Cu nanowire electrocatalyst. Nature Nanotechnology, 2022, 17, 759-767.	31.5	318
5	Electrochemical oxygen reduction to hydrogen peroxide at practical rates in strong acidic media. Nature Communications, 2022, 13, .	12.8	82
6	Electrochemical ammonia synthesis via nitrate reduction on Fe single atom catalyst. Nature Communications, 2021, 12, 2870.	12.8	605
7	General synthesis of single-atom catalysts with high metal loading using graphene quantum dots. Nature Chemistry, 2021, 13, 887-894.	13.6	362
8	Highly active and selective oxygen reduction to H <sub>2</sub> O <sub>2</sub> on boron-doped carbon for high production rates. Nature Communications, 2021, 12, 4225.	12.8	218
9	Direct and continuous generation of pure acetic acid solutions via electrocatalytic carbon monoxide reduction. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	93
10	High-purity and high-concentration liquid fuels through CO <sub>2</sub> electroreduction. Nature Catalysis, 2021, 4, 943-951.	34.4	143
11	Electrochemical CO <sub>2</sub> reduction to high-concentration pure formic acid solutions in an all-solid-state reactor. Nature Communications, 2020, 11, 3633.	12.8	294
12	Two-Dimensional SnO <sub>2</sub> Nanosheets for Efficient Carbon Dioxide Electroreduction to Formate. ACS Sustainable Chemistry and Engineering, 2020, 8, 4975-4982.	6.7	59
13	Direct electrosynthesis of pure aqueous H <sub>2</sub> O <sub>2</sub> solutions up to 20% by weight using a solid electrolyte. Science, 2019, 366, 226-231.	12.6	573
14	Continuous production of pure liquid fuel solutions via electrocatalytic CO <sub>2</sub> reduction using solid-electrolyte devices. Nature Energy, 2019, 4, 776-785.	39.5	458