

# 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	Electrochemical ammonia synthesis via nitrate reduction on Fe single atom catalyst. Nature Communications, 2021, 12, 2870.	12.8	605
2	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
3	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
4	General synthesis of single-atom catalysts with high metal loading using graphene quantum dots. Nature Chemistry, 2021, 13, 887-894.	13.6	362
5	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
6	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
7	Theory-oriented screening and discovery of advanced energy transformation materials in electrocatalysis. , 2022, 1, 100013.		273
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	High-purity and high-concentration liquid fuels through CO <sub>2</sub> electroreduction. Nature Catalysis, 2021, 4, 943-951.	34.4	143
10	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
11	Recovering carbon losses in CO <sub>2</sub> electrolysis using a solid electrolyte reactor. Nature Catalysis, 2022, 5, 288-299.	34.4	90
12	Electrochemical oxygen reduction to hydrogen peroxide at practical rates in strong acidic media. Nature Communications, 2022, 13, .	12.8	82
13	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
14	Proton sponge promotion of electrochemical CO <sub>2</sub> reduction to multi-carbon products. Joule, 2022, 6, 205-220.	24.0	57