

# Awu Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6030822/publications.pdf>

Version: 2024-02-01

17  
papers

1,512  
citations

516710

16  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

2452  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency CO <sub>2</sub> separation using hybrid LDH-polymer membranes. Nature Communications, 2021, 12, 3069.	12.8	56
2	Suppressing hydrogen evolution for high selective CO <sub>2</sub> reduction through surface-reconstructed heterojunction photocatalyst. Applied Catalysis B: Environmental, 2021, 286, 119876.	20.2	41
3	Dual MOFs template-directed fabrication of hollow-structured heterojunction photocatalysts for efficient CO <sub>2</sub> reduction. Chemical Engineering Journal, 2021, 416, 129155.	12.7	58
4	Rational Localization of Metal Nanoparticles in Yolk-Shell MOFs for Enhancing Catalytic Performance in Selective Hydrogenation of Cinnamaldehyde. ChemSusChem, 2020, 13, 205-211.	6.8	22
5	A leaf-branch TiO <sub>2</sub> /carbon@MOF composite for selective CO <sub>2</sub> photoreduction. Applied Catalysis B: Environmental, 2020, 264, 118519.	20.2	89
6	Alkali-Etched Ni(II)-Based Metal-Organic Framework Nanosheet Arrays for Electrocatalytic Overall Water Splitting. Small, 2020, 16, e1906564.	10.0	84
7	Multimetallic metal-organic frameworks derived transition metal doped iron selenide arrays for efficient oxygen evolution reaction. APL Materials, 2019, 7, .	5.1	15
8	Partial Sulfurization of a 2D MOF Array for Highly Efficient Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2019, 11, 41595-41601.	8.0	91
9	Pd@ZIF-67 Derived Recyclable Pd-Based Catalysts with Hierarchical Pores for High-Performance Heck Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 2103-2111.	6.7	73
10	Highly Efficient Catalytic Esterification in an $\text{SO}_3\text{H}$ -Functionalized Cr(III)-MOF. Industrial & Engineering Chemistry Research, 2018, 57, 8388-8395.	3.7	45
11	Layered Metal-Organic Framework-Derived Metal Oxide/Carbon Nanosheet Arrays for Catalyzing the Oxygen Evolution Reaction. ACS Energy Letters, 2018, 3, 1655-1661.	17.4	176
12	MOF Template-Directed Fabrication of Hierarchically Structured Electrocatalysts for Efficient Oxygen Evolution Reaction. Advanced Energy Materials, 2017, 7, 1602643.	19.5	281
13	Visible-light responsive MOF encapsulation of noble-metal-sensitized semiconductors for high-performance photoelectrochemical water splitting. Journal of Materials Chemistry A, 2017, 5, 19491-19498.	10.3	96
14	Ultrahigh-rate-capability of a layered double hydroxide supercapacitor based on a self-generated electrolyte reservoir. Journal of Materials Chemistry A, 2016, 4, 8421-8427.	10.3	61
15	The fabrication of oriented organic-inorganic ultrathin films with enhanced electrochromic properties. Journal of Materials Chemistry C, 2016, 4, 8284-8290.	5.5	17
16	TiO <sub>2</sub> @Layered Double Hydroxide Core-Shell Nanospheres with Largely Enhanced Photocatalytic Activity Toward O <sub>2</sub> Generation. Advanced Functional Materials, 2015, 25, 2243-2249.	14.9	223
17	A NiAl layered double hydroxide@carbon nanoparticles hybrid electrode for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2014, 2, 1682-1685.	10.3	84