

Awu Zhou

List of Publications by Year in descending order

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