

Mengke Cai

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

925
citations

840776

11
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

1269
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational design of eco-friendly Mn-doped nonstoichiometric CuInSe/ZnSe core/shell quantum dots for boosted photoelectrochemical efficiency. <i>Nano Research</i> , 2022, 15, 7614-7621.	10.4	14
2	Role of Copper Doping in Heavy Metal-Free InP/ZnSe Core/Shell Quantum Dots for Highly Efficient and Stable Photoelectrochemical Cell. <i>Advanced Energy Materials</i> , 2021, 11, 2101230.	19.5	61
3	Recent advances in the electrocatalytic synthesis of 2,5-furandicarboxylic acid from 5-(hydroxymethyl)furfural. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20164-20183.	10.3	62
4	Decoration of BiVO ₄ Photoanodes with Near-Infrared Quantum Dots for Boosted Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50046-50056.	8.0	15
5	Constructing 2D MOFs from 2D LDHs: a highly efficient and durable electrocatalyst for water oxidation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 190-195.	10.3	93
6	Two-dimensional metal-organic framework nanosheets for highly efficient electrocatalytic biomass 5-(hydroxymethyl)furfural (HMF) valorization. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20386-20392.	10.3	88
7	Accelerating charge transfer at an ultrafine NiFe-LDHs/CB interface during the electrocatalyst activation process for water oxidation. <i>Dalton Transactions</i> , 2020, 49, 7436-7443.	3.3	6
8	Amino-Induced 2D Cu-Based Metal-Organic Framework as an Efficient Heterogeneous Catalyst for Aerobic Oxidation of Olefins. <i>Chemistry - A European Journal</i> , 2020, 26, 4333-4340.	3.3	18
9	Hollow Cobalt Phosphide with N-Doped Carbon Skeleton as Bifunctional Electrocatalyst for Overall Water Splitting. <i>Inorganic Chemistry</i> , 2019, 58, 14652-14659.	4.0	38
10	Interfacial Electronic Structure Modulation of NiTe Nanoarrays with NiS Nanodots Facilitates Electrocatalytic Oxygen Evolution. <i>Advanced Materials</i> , 2019, 31, e1900430.	21.0	298
11	One-Step Construction of Hydrophobic MOFs@COFs Core-Shell Composites for Heterogeneous Selective Catalysis. <i>Advanced Science</i> , 2019, 6, 1802365.	11.2	134
12	MOF-derived Mn doped porous CoP nanosheets as efficient and stable bifunctional electrocatalysts for water splitting. <i>Dalton Transactions</i> , 2018, 47, 14679-14685.	3.3	98