Mengke Cai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1746172/publications.pdf

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12	925	840776 11	1199594 12
papers	citations	h-index	g-index

12	12	12	1269
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interfacial Electronic Structure Modulation of NiTe Nanoarrays with NiS Nanodots Facilitates Electrocatalytic Oxygen Evolution. Advanced Materials, 2019, 31, e1900430.	21.0	298
2	Oneâ€Step Construction of Hydrophobic MOFs@COFs Coreâ€“Shell Composites for Heterogeneous Selective Catalysis. Advanced Science, 2019, 6, 1802365.	11.2	134
3	MOF-derived Mn doped porous CoP nanosheets as efficient and stable bifunctional electrocatalysts for water splitting. Dalton Transactions, 2018, 47, 14679-14685.	3.3	98
4	Constructing 2D MOFs from 2D LDHs: a highly efficient and durable electrocatalyst for water oxidation. Journal of Materials Chemistry A, 2020, 8, 190-195.	10.3	93
5	Two-dimensional metalâ€“organic framework nanosheets for highly efficient electrocatalytic biomass 5-(hydroxymethyl)furfural (HMF) valorization. Journal of Materials Chemistry A, 2020, 8, 20386-20392.	10.3	88
6	Recent advances in the electrocatalytic synthesis of 2,5-furandicarboxylic acid from 5-(hydroxymethyl)furfural. Journal of Materials Chemistry A, 2021, 9, 20164-20183.	10.3	62
7	Role of Copper Doping in Heavy Metalâ€Free InP/ZnSe Core/Shell Quantum Dots for Highly Efficient and Stable Photoelectrochemical Cell. Advanced Energy Materials, 2021, 11, 2101230.	19.5	61
8	Hollow Cobalt Phosphide with N-Doped Carbon Skeleton as Bifunctional Electrocatalyst for Overall Water Splitting. Inorganic Chemistry, 2019, 58, 14652-14659.	4.0	38
9	Aminoâ€Induced 2D Cuâ€Based Metalâ€“Organic Framework as an Efficient Heterogeneous Catalyst for Aerobic Oxidation of Olefins. Chemistry - A European Journal, 2020, 26, 4333-4340.	3.3	18
10	Decoration of BiVO₄ Photoanodes with Near-Infrared Quantum Dots for Boosted Photoelectrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 50046-50056.	8.0	15
11	Rational design of eco-friendly Mn-doped nonstoichiometric CuInSe/ZnSe core/shell quantum dots for boosted photoelectrochemical efficiency. Nano Research, 2022, 15, 7614-7621.	10.4	14
12	Accelerating charge transfer at an ultrafine NiFe-LDHs/CB interface during the electrocatalyst activation process for water oxidation. Dalton Transactions, 2020, 49, 7436-7443.	3.3	6