Shuang Yao

List of Publications by Year
in descending order

34 papers	1,552 citations	331670 21 h-index	377865 34 g-index
34 all docs	34 docs citations	34 times ranked	1690 citing authors

#	Article	IF	Citations
1	Incorporating Polyoxometalates into a Porous MOF Greatly Improves Its Selective Adsorption of Cationic Dyes. Chemistry - A European Journal, 2014, 20, 6927-6933.	3.3	237
2	Photosensitizing single-site metalâˆ’organic framework enabling visible-light-driven CO2 reduction for syngas production. Applied Catalysis B: Environmental, 2019, 245, 496-501.	20.2	119
3	Facile electron delivery from graphene template to ultrathin metal-organic layers for boosting CO2 photoreduction. Nature Communications, 2021, 12, 813.	12.8	114
4	H-Bond-Mediated Selectivity Control of Formate versus CO during CO₂ Photoreduction with Two Cooperative Cu/X Sites. Journal of the American Chemical Society, 2021, 143, 6114-6122.	13.7	105
5	Feeding Carbonylation with CO₂ via the Synergy of Single-Site/Nanocluster Catalysts in a Photosensitizing MOF. Journal of the American Chemical Society, 2021, 143, 20792-20801.	13.7	91
6	Charge-regulated sequential adsorption of anionic catalysts and cationic photosensitizers into metal-organic frameworks enhances photocatalytic proton reduction. Applied Catalysis B: Environmental, 2018, 224, 46-52.	20.2	81
7	Polyoxometalateâ€Derived Ultrasmall Pt₂W/WO₃ Heterostructure Outperforms Platinum for Largeâ€Currentâ€Density H₂ Evolution. Advanced Energy Materials, 2019, 9, 1900597.	19.5	74
8	Photocatalytic coproduction of H2 and industrial chemical over MOF-derived direct Z-scheme heterostructure. Applied Catalysis B: Environmental, 2020, 273, 119066.	20.2	73
9	Encapsulation of Single Iron Sites in a Metalâ€"Porphyrin Framework for High-Performance Photocatalytic CO₂ Reduction. Inorganic Chemistry, 2020, 59, 6301-6307.	4.0	57
10	Polyoxometalate-based high-nuclear cobaltâ€"vanadiumâ€"oxo cluster as efficient catalyst for visible light-driven CO2 reduction. Chinese Chemical Letters, 2019, 30, 1273-1276.	9.0	52
11	Switching Excited State Distribution of Metalâ€"Organic Framework for Dramatically Boosting Photocatalysis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	48
12	Coreâ€"shell nanoporous AuCu₃@Au monolithic electrode for efficient electrochemical CO₂ reduction. Journal of Materials Chemistry A, 2020, 8, 3344-3350.	10.3	46
13	Heterometallic appended {MMn^{III}₄} cubanes encapsulated by lacunary polytungstate ligands. Dalton Transactions, 2013, 42, 342-346.	3.3	43
14	Capped Polyoxometalate Pillars between Metalâ€"Organic Layers for Transferring a Supramolecular Structure into a Covalent 3D Framework. Inorganic Chemistry, 2018, 57, 1342-1349.	4.0	40
15	Phosphorized polyoxometalate-etched iron-hydroxide porous nanotubes for efficient electrocatalytic oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 24479-24485.	10.3	39
16	A polyoxometalate-based ionic crystal assembly from a heterometallic cluster and polyoxoanions with visible-light catalytic activity. RSC Advances, 2013, 3, 20829.	3.6	31
17	Unveiling Single Atom Nucleation for Isolating Ultrafine fcc Ru Nanoclusters with Outstanding Dehydrogenation Activity. Advanced Energy Materials, 2020, 10, 2002138.	19.5	29
18	Polyoxometalate-based supramolecular architecture constructed from a purely inorganic 1D chain and a metalâ€"organic layer with efficient catalytic activity. RSC Advances, 2016, 6, 15513-15517.	3.6	24

#	ARTICLE	IF	CITATIONS
19	Nitrogen Coordination To Dramatically Enhance the Stability of In-MOF for Selectively Capturing CO₂ from a CO₂/N₂ Mixture. Crystal Growth and Design, 2019, 19, 1322-1328.	3.0	24
20	Construction of Lowâ€Cost Zâ€Scheme Heterostructure Cu₂O/PCN for Highly Selective CO₂ Photoreduction to Methanol with Water Oxidation. Small, 2021, 17, e2103558.	10.0	23
21	Co-POM@MOF-derivatives with trace cobalt content for highly efficient oxygen reduction. Chinese Chemical Letters, 2022, 33, 1047-1050.	9.0	22
22	Anchoring ultrafine Cu2O nanocluster on PCN for CO2 photoreduction in water vapor with much improved stability. Applied Catalysis B: Environmental, 2022, 317, 121702.	20.2	22
23	Integration of Lnâ€Sandwich POMs into Molecular Porous Systems Leading to Selfâ€Assembly of Metalâ€"POM Framework Materials. European Journal of Inorganic Chemistry, 2013, 2013, 4770-4774.	2.0	21
24	Doping [Ru(bpy)3]2+ into metal-organic framework to facilitate the separation and reuse of noble-metal photosensitizer during CO2 photoreduction. Chinese Journal of Catalysis, 2021, 42, 1790-1797.	14.0	20
25	Topology conversion of 1T MoS2 to S-doped 2H-MoTe2 nanosheets with Te vacancies for enhanced electrocatalytic hydrogen evolution. Science China Materials, 2021, 64, 2202-2211.	6.3	19
26	Assembly of polyoxometalates and Ni-bpy cationic units into the molecular coreâ€"shell structures as bifunctional electrocatalysts. RSC Advances, 2016, 6, 99010-99015.	3.6	18
27	Selfâ€Supported Nanoporous Au₃Cu Electrode with Enriched Gold on Surface for Efficient Electrochemical Reduction of CO₂. Chemistry - A European Journal, 2020, 26, 4143-4149.	3.3	18
28	Heterometallic 3dâ€"4f cluster-containing polyoxotungstate obtained by partial disassembly of preformed large clusters. RSC Advances, 2015, 5, 76206-76210.	3.6	15
29	MOF/CC-derivatives with trace amount of cobalt oxides as efficient electrocatalysts for oxygen reduction reaction. Chinese Chemical Letters, 2019, 30, 989-994.	9.0	12
30	Mixed-valence manganese cluster containing a sandwich-type polyoxometalate. Journal of Coordination Chemistry, 2012, 65, 1451-1458.	2.2	11
31	Grafting Transition Metalâ€"Organic Fragments onto W/Ta Mixedâ€Addendum Nanoclusters for Broadâ€Spectrumâ€Driven Photocatalysis. ChemPlusChem, 2014, 79, 1153-1158.	2.8	11
32	Supermolecular assembly of polyoxoanion and metalâ€"organic cationic units towards a model for coreâ€"shell nanostructures. RSC Advances, 2016, 6, 33946-33950.	3.6	5
33	Switching Excited State Distribution of Metalâ€"Organic Framework for Dramatically Boosting Photocatalysis. Angewandte Chemie, 2022, 134, .	2.0	5
34	Microenvironment Regulation of {Co₄^{II}O₄} Cubane for Syngas Photosynthesis. Inorganic Chemistry, 2022, 61, 13058-13066.	4.0	3