

Kun Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

3,750
citations

623188

14
h-index

887659

17
g-index

19
all docs

19
docs citations

19
times ranked

4607
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Facet-Dependent Photoreactivity of BiOCl Single-Crystalline Nanosheets. <i>Journal of the American Chemical Society</i> , 2012, 134, 4473-4476.	6.6	1,326
2	Carbon self-doping induced high electronic conductivity and photoreactivity of g-C ₃ N ₄ . <i>Chemical Communications</i> , 2012, 48, 6178.	2.2	662
3	Surface Structure-Dependent Molecular Oxygen Activation of BiOCl Single-Crystalline Nanosheets. <i>Journal of the American Chemical Society</i> , 2013, 135, 15750-15753.	6.6	560
4	Sustainable molecular oxygen activation with oxygen vacancies on the {001} facets of BiOCl nanosheets under solar light. <i>Nanoscale</i> , 2014, 6, 14168-14173.	2.8	334
5	Facet-dependent solar ammonia synthesis of BiOCl nanosheets via a proton-assisted electron transfer pathway. <i>Nanoscale</i> , 2016, 8, 1986-1993.	2.8	242
6	Enhanced Photocatalytic Removal of Sodium Pentachlorophenate with Self-Doped Bi ₂ WO ₆ under Visible Light by Generating More Superoxide Ions. <i>Environmental Science & Technology</i> , 2014, 48, 5823-5831.	4.6	239
7	Facet-Level Mechanistic Insights into General Homogeneous Carbon Doping for Enhanced Solar-to-Hydrogen Conversion. <i>Advanced Functional Materials</i> , 2015, 25, 2189-2201.	7.8	146
8	In Situ Control of the Adsorption Species in CO ₂ Hydrogenation: Determination of Intermediates and Byproducts. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20888-20893.	1.5	55
9	Monocarborane cluster as a stable fluorine-free calcium battery electrolyte. <i>Scientific Reports</i> , 2021, 11, 7563.	1.6	38
10	Unraveling and optimizing the metal-metal oxide synergistic effect in a highly active Co (CoO) _{1-x} catalyst for CO ₂ hydrogenation. <i>Journal of Energy Chemistry</i> , 2021, 53, 241-250.	7.1	32
11	Solvent- and Catalyst-Free Carbon Dioxide Capture and Reduction to Formate with Borohydride Ionic Liquid. <i>ChemSusChem</i> , 2020, 13, 2025-2031.	3.6	31
12	Direct CO ₂ Capture and Reduction to High-End Chemicals with Tetraalkylammonium Borohydrides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9580-9589.	7.2	28
13	Identifying Reaction Species by Evolutionary Fitting and Kinetic Analysis: An Example of CO ₂ Hydrogenation in DRIFTS. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8785-8792.	1.5	23
14	CO ₂ Hydrogenation over Unsupported Fe-Co Nanoalloy Catalysts. <i>Nanomaterials</i> , 2020, 10, 1360.	1.9	17
15	Imaging Catalysis: Operando Investigation of the CO ₂ Hydrogenation Reaction Dynamics by Means of Infrared Thermography. <i>ACS Catalysis</i> , 2020, 10, 1721-1730.	5.5	14
16	Direct CO ₂ Capture and Reduction to High-End Chemicals with Tetraalkylammonium Borohydrides. <i>Angewandte Chemie</i> , 2021, 133, 9666-9675.	1.6	2
17	A combined diffuse reflectance infrared Fourier transform spectroscopy-mass spectroscopy-gas chromatography for the <i>operando</i> study of the heterogeneously catalyzed CO ₂ hydrogenation over transition metal-based catalysts. <i>Review of Scientific Instruments</i> , 2020, 91, 074102.	0.6	0