

Kun Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

3,750
citations

623734

14
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

4607
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling and optimizing the metal-metal oxide synergistic effect in a highly active Co (CoO) _{1-x} catalyst for CO ₂ hydrogenation. Journal of Energy Chemistry, 2021, 53, 241-250.	12.9	32
2	Direct CO ₂ Capture and Reduction to High-End Chemicals with Tetraalkylammonium Borohydrides. Angewandte Chemie, 2021, 133, 9666-9675.	2.0	2
3	Direct CO ₂ Capture and Reduction to High-End Chemicals with Tetraalkylammonium Borohydrides. Angewandte Chemie - International Edition, 2021, 60, 9580-9589.	13.8	28
4	Monocarborane cluster as a stable fluorine-free calcium battery electrolyte. Scientific Reports, 2021, 11, 7563.	3.3	38
5	Imaging Catalysis: Operando Investigation of the CO ₂ Hydrogenation Reaction Dynamics by Means of Infrared Thermography. ACS Catalysis, 2020, 10, 1721-1730.	11.2	14
6	CO ₂ Hydrogenation over Unsupported Fe-Co Nanoalloy Catalysts. Nanomaterials, 2020, 10, 1360.	4.1	17
7	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. Review of Scientific Instruments, 2020, 91, 074102.	1.3	0
8	Solvent- and Catalyst-Free Carbon Dioxide Capture and Reduction to Formate with Borohydride Ionic Liquid. ChemSusChem, 2020, 13, 2025-2031.	6.8	31
9	Identifying Reaction Species by Evolutionary Fitting and Kinetic Analysis: An Example of CO ₂ Hydrogenation in DRIFTS. Journal of Physical Chemistry C, 2019, 123, 8785-8792.	3.1	23
10	In Situ Control of the Adsorption Species in CO ₂ Hydrogenation: Determination of Intermediates and Byproducts. Journal of Physical Chemistry C, 2018, 122, 20888-20893.	3.1	55
11	Facet-dependent solar ammonia synthesis of BiOCl nanosheets via a proton-assisted electron transfer pathway. Nanoscale, 2016, 8, 1986-1993.	5.6	242
12	Facet-Level Mechanistic Insights into General Homogeneous Carbon Doping for Enhanced Solar-to-Hydrogen Conversion. Advanced Functional Materials, 2015, 25, 2189-2201.	14.9	146
13	Sustainable molecular oxygen activation with oxygen vacancies on the {001} facets of BiOCl nanosheets under solar light. Nanoscale, 2014, 6, 14168-14173.	5.6	334
14	Enhanced Photocatalytic Removal of Sodium Pentachlorophenate with Self-Doped Bi ₂ WO ₆ under Visible Light by Generating More Superoxide Ions. Environmental Science & Technology, 2014, 48, 5823-5831.	10.0	239
15	Surface Structure-Dependent Molecular Oxygen Activation of BiOCl Single-Crystalline Nanosheets. Journal of the American Chemical Society, 2013, 135, 15750-15753.	13.7	560
16	Carbon self-doping induced high electronic conductivity and photoreactivity of g-C ₃ N ₄ . Chemical Communications, 2012, 48, 6178.	4.1	662
17	Synthesis and Facet-Dependent Photoreactivity of BiOCl Single-Crystalline Nanosheets. Journal of the American Chemical Society, 2012, 134, 4473-4476.	13.7	1,326