

# Kun Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5833112/publications.pdf>

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