

Meikun Xia

List of Publications by Year in descending order

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16
papers

1,420
citations

623734

14
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	Principles of photothermal gas-phase heterogeneous CO ₂ catalysis. Energy and Environmental Science, 2019, 12, 1122-1142.	30.8	300
2	Cu ₂ O nanocubes with mixed oxidation-state facets for (photo)catalytic hydrogenation of carbon dioxide. Nature Catalysis, 2019, 2, 889-898.	34.4	234
3	Photocatalytic Hydrogenation of Carbon Dioxide with High Selectivity to Methanol at Atmospheric Pressure. Joule, 2018, 2, 1369-1381.	24.0	148
4	Bismuth atom tailoring of indium oxide surface frustrated Lewis pairs boosts heterogeneous CO ₂ photocatalytic hydrogenation. Nature Communications, 2020, 11, 6095.	12.8	129
5	Catalytic CO ₂ reduction by palladium-decorated silicon hydride nanosheets. Nature Catalysis, 2019, 2, 46-54.	34.4	116
6	Shining light on CO ₂ : from materials discovery to photocatalyst, photoreactor and process engineering. Chemical Society Reviews, 2020, 49, 5648-5663.	38.1	91
7	Hydrogen Spillover to Oxygen Vacancy of TiO ₂ /H ₂ /Fe: Breaking the Scaling Relationship of Ammonia Synthesis. Journal of the American Chemical Society, 2020, 142, 17403-17412.	13.7	91
8	High-performance light-driven heterogeneous CO ₂ catalysis with near-unity selectivity on metal phosphides. Nature Communications, 2020, 11, 5149.	12.8	82
9	High-Performance, Scalable, and Low-Cost Copper Hydroxyapatite for Photothermal CO ₂ Reduction. ACS Catalysis, 2020, 10, 13668-13681.	11.2	55
10	Cu Atoms on Nanowire Pd/H ₂ WO ₃ Bronzes Enhance the Solar Reverse Water Gas Shift Reaction. Journal of the American Chemical Society, 2019, 141, 14991-14996.	13.7	40
11	Solar Urea: Towards a Sustainable Fertilizer Industry. Angewandte Chemie - International Edition, 2022, 61, .	13.8	37
12	Enhanced CO ₂ Photocatalysis by Indium Oxide Hydroxide Supported on TiN@TiO ₂ Nanotubes. Nano Letters, 2021, 21, 1311-1319.	9.1	35
13	Plasmonic Titanium Nitride Facilitates Indium Oxide CO ₂ Photocatalysis. Small, 2020, 16, e2005754.	10.0	32
14	Electrolyte-Phobic Surface for the Next-Generation Nanostructured Battery Electrodes. Nano Letters, 2020, 20, 7455-7462.	9.1	25
15	Kinetics and Mechanism of Turanite Reduction by Hydrogen. Journal of Physical Chemistry C, 2020, 124, 18356-18365.	3.1	3
16	Anchoring Ba II to Pd/H ₂ WO ₃ Nanowires Promotes a Photocatalytic Reverse Water Gas Shift Reaction. Chemistry - A European Journal, 2020, 26, 12355-12358.	3.3	2