

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