

Kuan Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1442347/publications.pdf>

Version: 2024-02-01

22
papers

313
citations

933447

10
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructing of ultrathin Bi ₂ WO ₆ /BiOCl nanosheets with oxygen vacancies for photocatalytic oxidation of cyclohexane with air in solvent-free. Applied Surface Science, 2022, 584, 152606.	6.1	34
2	Photothermal CO ₂ hydrogenation to methanol over a CoO/Co/TiO ₂ catalyst in aqueous media under atmospheric pressure. Catalysis Today, 2020, 356, 579-588.	4.4	32
3	Selective hydrogenation of quinolines over a CoCu bimetallic catalyst at low temperature. Molecular Catalysis, 2019, 470, 120-126.	2.0	31
4	Electrocatalytic CO ₂ reduction to ethylene over ZrO ₂ /Cu-Cu ₂ O catalysts in aqueous electrolytes. Green Chemistry, 2022, 24, 1527-1533.	9.0	28
5	Photothermal CO ₂ hydrogenation to hydrocarbons over trimetallic Co-Cu-Mn catalysts. Green Chemistry, 2021, 23, 5775-5785.	9.0	24
6	Catalytic hydrodeoxygenation of biomass-derived oxygenates to bio-fuels over Co-based bimetallic catalysts. Sustainable Energy and Fuels, 2020, 4, 4558-4569.	4.9	21
7	Construction of Indium Oxide/N-Doped Titanium Dioxide Hybrid Photocatalysts for Efficient and Selective Oxidation of Cyclohexane to Cyclohexanone. Journal of Physical Chemistry C, 2021, 125, 19791-19801.	3.1	21
8	Research progress of CO ₂ oxidative dehydrogenation of propane to propylene over Cr-free metal catalysts. Rare Metals, 2022, 41, 2129-2152.	7.1	20
9	Oxidative Dehydrogenation of Propane to Propylene in the Presence of CO ₂ over Gallium Nitride Supported on NaZSM-5. Industrial & Engineering Chemistry Research, 2021, 60, 2807-2817.	3.7	19
10	Catalyst- and solvent-free <i>in situ</i> -hydroxylation of arylboronic acids to phenols. RSC Advances, 2019, 9, 34529-34534.	3.6	15
11	Understanding the Role of Fe Doping in Tuning the Size and Dispersion of GaN Nanocrystallites for CO ₂ -Assisted Oxidative Dehydrogenation of Propane. ACS Catalysis, 2022, 12, 8527-8543.	11.2	10
12	A combined experimental and theoretical study of the thermal decomposition mechanism and kinetics of ammonium dinitramide (ADN). New Journal of Chemistry, 2020, 44, 6833-6844.	2.8	9
13	Photothermal oxidation of cyclohexane over CoLaOx/WO ₃ Z-scheme composites with p-n heterojunction in solvent-free conditions. Catalysis Today, 2023, 409, 42-52.	4.4	9
14	Biomass-Modified Zirconium-Based Catalyst for One-Pot Reductive Etherification of Bioderived Aldehydes to Furanic Diether. ACS Sustainable Chemistry and Engineering, 2022, 10, 4969-4979.	6.7	8
15	Reversible aerobic oxidative dehydrogenation/hydrogenation of N-heterocycles over AlN supported redox cobalt catalysts. Molecular Catalysis, 2020, 496, 111192.	2.0	7
16	Solvent-induced synthesis of hierarchical TiO ₂ nanoflowers with tunable morphology by monolayer self-assembly for probing the photocatalytic performance. Journal of Nanostructure in Chemistry, 2022, 12, 1075-1087.	9.1	6
17	Nb ₂ C MXene assisted CoNi bimetallic catalysts for hydrogenolysis of aromatic ethers. Sustainable Energy and Fuels, 2021, 5, 963-972.	4.9	4
18	Co-polymerization of propylene oxide and CO ₂ using early transition metal (groups IV and V) metallocalix[n]arenes (n = 4, 6, 8). Journal of Applied Polymer Science, 2021, 138, 50513.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Efficient and selective oxidation of cyclohexane to cyclohexanone over flake hexagonal boron nitride/titanium dioxide hybrid photocatalysts. <i>Molecular Catalysis</i> , 2021, 505, 111530.	2.0	4
20	Experimental and density functional theory studies on hydroxymethylation of phenylboronic acids with paraformaldehyde over a $\text{Rh}(\text{I})\text{PPh}_3$ catalyst. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6104.	3.5	3
21	Insight into the Intermolecular Interaction and Free Radical Polymerizability of Methacrylates in Supercritical Carbon Dioxide. <i>Polymers</i> , 2020, 12, 78.	4.5	2
22	N-formylation of isoquinoline derivatives with CO_2 and H_2 over a heterogeneous Ru/ZIF-8 catalyst. <i>Journal of Experimental Nanoscience</i> , 2022, 17, 61-74.	2.4	2