

Kuan Wang

List of Publications by Year in descending order

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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	Photothermal oxidation of cyclohexane over CoLaOx/WO ₃ Z-scheme composites with p-n heterojunction in solvent-free conditions. <i>Catalysis Today</i> , 2023, 409, 42-52.	4.4	9
2	Solvent-induced synthesis of hierarchical TiO ₂ nanoflowers with tunable morphology by monolayer self-assembly for probing the photocatalytic performance. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 1075-1087.	9.1	6
3	Electrocatalytic CO ₂ reduction to ethylene over ZrO ₂ /Cu-Cu ₂ O catalysts in aqueous electrolytes. <i>Green Chemistry</i> , 2022, 24, 1527-1533.	9.0	28
4	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
5	Constructing of ultrathin Bi ₂ WO ₆ /BiOCl nanosheets with oxygen vacancies for photocatalytic oxidation of cyclohexane with air in solvent-free. <i>Applied Surface Science</i> , 2022, 584, 152606.	6.1	34
6	Research progress of CO ₂ oxidative dehydrogenation of propane to propylene over Cr-free metal catalysts. <i>Rare Metals</i> , 2022, 41, 2129-2152.	7.1	20
7	Biomass-Modified Zirconium-Based Catalyst for One-Pot Reductive Etherification of Bioderived Aldehydes to Furanic Diether. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4969-4979.	6.7	8
8	Understanding the Role of Fe Doping in Tuning the Size and Dispersion of GaN Nanocrystallites for CO ₂ -Assisted Oxidative Dehydrogenation of Propane. <i>ACS Catalysis</i> , 2022, 12, 8527-8543.	11.2	10
9	Experimental and density functional theory studies on hydroxymethylation of phenylboronic acids with paraformaldehyde over a Rh ₂ PPh ₃ catalyst. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6104.	3.5	3
10	Nb ₂ C MXene assisted CoNi bimetallic catalysts for hydrogenolysis of aromatic ethers. <i>Sustainable Energy and Fuels</i> , 2021, 5, 963-972.	4.9	4
11	Co ^{II} -polymerization of propylene oxide and CO ₂ using early transition metal (groups IV and V) metallocalix[<i>n</i>]arenes (<i>n</i> = 4, 6, 8). <i>Journal of Applied Polymer Science</i> , 2021, 138, 50513.	2.6	4
12	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
13	Construction of Indium Oxide/N-Doped Titanium Dioxide Hybrid Photocatalysts for Efficient and Selective Oxidation of Cyclohexane to Cyclohexanone. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19791-19801.	3.1	21
14	Photothermal CO ₂ hydrogenation to hydrocarbons over trimetallic Co ^{II} -Cu ^{II} -Mn catalysts. <i>Green Chemistry</i> , 2021, 23, 5775-5785.	9.0	24
15	Oxidative Dehydrogenation of Propane to Propylene in the Presence of CO ₂ over Gallium Nitride Supported on NaZSM-5. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2807-2817.	3.7	19
16	Insight into the Intermolecular Interaction and Free Radical Polymerizability of Methacrylates in Supercritical Carbon Dioxide. <i>Polymers</i> , 2020, 12, 78.	4.5	2
17	Photothermal CO ₂ hydrogenation to methanol over a CoO/Co/TiO ₂ catalyst in aqueous media under atmospheric pressure. <i>Catalysis Today</i> , 2020, 356, 579-588.	4.4	32
18	Reversible aerobic oxidative dehydrogenation/hydrogenation of N-heterocycles over AlN supported redox cobalt catalysts. <i>Molecular Catalysis</i> , 2020, 496, 111192.	2.0	7

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19	Catalytic hydrodeoxygenation of biomass-derived oxygenates to bio-fuels over Co-based bimetallic catalysts. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4558-4569.	4.9	21
20	A combined experimental and theoretical study of the thermal decomposition mechanism and kinetics of ammonium dinitramide (ADN). <i>New Journal of Chemistry</i> , 2020, 44, 6833-6844.	2.8	9
21	Selective hydrogenation of quinolines over a CoCu bimetallic catalyst at low temperature. <i>Molecular Catalysis</i> , 2019, 470, 120-126.	2.0	31
22	Catalyst- and solvent-free <i>ipso</i> -hydroxylation of arylboronic acids to phenols. <i>RSC Advances</i> , 2019, 9, 34529-34534.	3.6	15