

Yubing Lu

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,070
citations

567281

15
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	CO oxidation on MgAl ₂ O ₄ supported Ir _n : activation of lattice oxygen in the subnanometer regime and emergence of nuclearity-activity volcano. Journal of Materials Chemistry A, 2022, 10, 4266-4278.	10.3	4
2	Stability and Activity of Cobalt Antimonate for Oxygen Reduction in Strong Acid. ACS Energy Letters, 2022, 7, 993-1000.	17.4	21
3	Exceptional Selectivity to Olefins in the Deoxygenation of Fatty Acids over an Intermetallic Platinum-Zinc Alloy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	19
4	Deactivation by Potassium Accumulation on a Pt/TiO ₂ Bifunctional Catalyst for Biomass Catalytic Fast Pyrolysis. ACS Catalysis, 2022, 12, 465-480.	11.2	15
5	Addressing solar photochemistry durability with an amorphous nickel antimonate photoanode. Cell Reports Physical Science, 2022, 3, 100959.	5.6	6
6	Structure sensitivity of n-butane hydrogenolysis on supported Ir catalysts. Journal of Catalysis, 2021, 394, 376-386.	6.2	11
7	Solvent manipulation of the pre-reduction metal-ligand complex and particle-ligand binding for controlled synthesis of Pd nanoparticles. Nanoscale, 2021, 13, 206-217.	5.6	18
8	Solvent molecules form surface redox mediators in situ and cocatalyze O ₂ reduction on Pd. Science, 2021, 371, 626-632.	12.6	84
9	Catalytic CO Oxidation on MgAl ₂ O ₄ -Supported Iridium Single Atoms: Ligand Configuration and Site Geometry. Journal of Physical Chemistry C, 2021, 125, 11380-11390.	3.1	13
10	Unraveling the Intermediate Reaction Complexes and Critical Role of Support-Derived Oxygen Atoms in CO Oxidation on Single-Atom Pt/CeO ₂ . ACS Catalysis, 2021, 11, 8701-8715.	11.2	51
11	18.1% single palladium atom catalysts on mesoporous covalent organic framework for gas phase hydrogenation of ethylene. Cell Reports Physical Science, 2021, 2, 100495.	5.6	19
12	Encapsulation of CuO nanoparticles within silicalite-1 as a regenerative catalyst for transfer hydrogenation of furfural. IScience, 2021, 24, 102884.	4.1	15
13	Tailoring the Local Environment of Platinum in Single-Atom Pt ₁ /CeO ₂ Catalysts for Robust Low-Temperature CO Oxidation. Angewandte Chemie, 2021, 133, 26258-26266.	2.0	7
14	Toward efficient single-atom catalysts for renewable fuels and chemicals production from biomass and CO ₂ . Applied Catalysis B: Environmental, 2021, 292, 120162.	20.2	114
15	Tailoring the Local Environment of Platinum in Single-Atom Pt ₁ /CeO ₂ Catalysts for Robust Low-Temperature CO Oxidation. Angewandte Chemie - International Edition, 2021, 60, 26054-26062.	13.8	84
16	Kinetic Synergy between Supported Ir Single Atoms and Nanoparticles during CO Oxidation Light-Off. Industrial & Engineering Chemistry Research, 2021, 60, 15960-15971.	3.7	3
17	Assembly of platinum nanoparticles and single-atom bismuth for selective oxidation of glycerol. Journal of Materials Chemistry A, 2021, 9, 25576-25584.	10.3	10
18	Preparation of re-entrant and anti-fouling PVDF composite membrane with omniphobicity for membrane distillation. Journal of Membrane Science, 2020, 595, 117563.	8.2	51

#	ARTICLE	IF	CITATIONS
19	Origin of the High CO Oxidation Activity on CeO ₂ Supported Pt Nanoparticles: Weaker Binding of CO or Facile Oxygen Transfer from the Support?. ChemCatChem, 2020, 12, 1726-1733.	3.7	44
20	Heterogeneous Non-noble Catalyst for Highly Selective Production of Linear Olefins from Fatty Acids: A Discovery of NiFe/C. ChemSusChem, 2020, 13, 4922-4928.	6.8	14
21	Single-atom Automobile Exhaust Catalysts. ChemNanoMat, 2020, 6, 1659-1682.	2.8	27
22	Structure Sensitivity of Acetylene Semi-Hydrogenation on Pt Single Atoms and Subnanometer Clusters. ACS Catalysis, 2019, 9, 11030-11041.	11.2	111
23	A versatile approach for quantification of surface site fractions using reaction kinetics: The case of CO oxidation on supported Ir single atoms and nanoparticles. Journal of Catalysis, 2019, 378, 121-130.	6.2	49
24	Identification of the active complex for CO oxidation over single-atom Ir-on-MgAl ₂ O ₄ catalysts. Nature Catalysis, 2019, 2, 149-156.	34.4	222
25	Anodic Alumina Supported Pt Catalyst for Total Oxidation of Trace Toluene. Chinese Journal of Chemical Engineering, 2014, 22, 882-887.	3.5	24
26	Simulation of VOCs oxidation in a catalytic nanolith. RSC Advances, 2013, 3, 1103-1111.	3.6	13
27	A simple method to decorate TiO ₂ nanotube arrays with controllable quantity of metal nanoparticles. Chemical Engineering Journal, 2012, 179, 363-371.	12.7	19
28	Exceptional Selectivity to Olefins in the Deoxygenation of Fatty Acids over an Intermetallic Platinum-Zinc Alloy. Angewandte Chemie, 0, , .	2.0	2