

Yubing Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5168154/publications.pdf>

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	Identification of the active complex for CO oxidation over single-atom Ir-on-MgAl ₂ O ₄ catalysts. <i>Nature Catalysis</i> , 2019, 2, 149-156.	34.4	222
2	Toward efficient single-atom catalysts for renewable fuels and chemicals production from biomass and CO ₂ . <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120162.	20.2	114
3	Structure Sensitivity of Acetylene Semi-Hydrogenation on Pt Single Atoms and Subnanometer Clusters. <i>ACS Catalysis</i> , 2019, 9, 11030-11041.	11.2	111
4	Solvent molecules form surface redox mediators in situ and cocatalyze O ₂ reduction on Pd. <i>Science</i> , 2021, 371, 626-632.	12.6	84
5	Tailoring the Local Environment of Platinum in Single-Atom Pt ₁ /CeO ₂ Catalysts for Robust Low-Temperature CO Oxidation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26054-26062.	13.8	84
6	Preparation of re-entrant and anti-fouling PVDF composite membrane with omniphobicity for membrane distillation. <i>Journal of Membrane Science</i> , 2020, 595, 117563.	8.2	51
7	Unraveling the Intermediate Reaction Complexes and Critical Role of Support-Derived Oxygen Atoms in CO Oxidation on Single-Atom Pt/CeO ₂ . <i>ACS Catalysis</i> , 2021, 11, 8701-8715.	11.2	51
8	A versatile approach for quantification of surface site fractions using reaction kinetics: The case of CO oxidation on supported Ir single atoms and nanoparticles. <i>Journal of Catalysis</i> , 2019, 378, 121-130.	6.2	49
9	Origin of the High CO Oxidation Activity on CeO ₂ Supported Pt Nanoparticles: Weaker Binding of CO or Facile Oxygen Transfer from the Support?. <i>ChemCatChem</i> , 2020, 12, 1726-1733.	3.7	44
10	Single-Atom Automobile Exhaust Catalysts. <i>ChemNanoMat</i> , 2020, 6, 1659-1682.	2.8	27
11	Anodic Alumina Supported Pt Catalyst for Total Oxidation of Trace Toluene. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 882-887.	3.5	24
12	Stability and Activity of Cobalt Antimonate for Oxygen Reduction in Strong Acid. <i>ACS Energy Letters</i> , 2022, 7, 993-1000.	17.4	21
13	A simple method to decorate TiO ₂ nanotube arrays with controllable quantity of metal nanoparticles. <i>Chemical Engineering Journal</i> , 2012, 179, 363-371.	12.7	19
14	18.1% single palladium atom catalysts on mesoporous covalent organic framework for gas phase hydrogenation of ethylene. <i>Cell Reports Physical Science</i> , 2021, 2, 100495.	5.6	19
15	Exceptional Selectivity to Olefins in the Deoxygenation of Fatty Acids over an Intermetallic Platinum-Zinc Alloy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	19
16	Solvent manipulation of the pre-reduction metal-ligand complex and particle-ligand binding for controlled synthesis of Pd nanoparticles. <i>Nanoscale</i> , 2021, 13, 206-217.	5.6	18
17	Encapsulation of CuO nanoparticles within silicalite-1 as a regenerative catalyst for transfer hydrogenation of furfural. <i>IScience</i> , 2021, 24, 102884.	4.1	15
18	Deactivation by Potassium Accumulation on a Pt/TiO ₂ Bifunctional Catalyst for Biomass Catalytic Fast Pyrolysis. <i>ACS Catalysis</i> , 2022, 12, 465-480.	11.2	15

#	ARTICLE	IF	CITATIONS
19	Heterogeneous Non-noble Catalyst for Highly Selective Production of Linear α -Olefins from Fatty Acids: A Discovery of NiFe/C. <i>ChemSusChem</i> , 2020, 13, 4922-4928.	6.8	14
20	Simulation of VOCs oxidation in a catalytic nanolith. <i>RSC Advances</i> , 2013, 3, 1103-1111.	3.6	13
21	Catalytic CO Oxidation on MgAl ₂ O ₄ -Supported Iridium Single Atoms: Ligand Configuration and Site Geometry. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11380-11390.	3.1	13
22	Structure sensitivity of n-butane hydrogenolysis on supported Ir catalysts. <i>Journal of Catalysis</i> , 2021, 394, 376-386.	6.2	11
23	Assembly of platinum nanoparticles and single-atom bismuth for selective oxidation of glycerol. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25576-25584.	10.3	10
24	Tailoring the Local Environment of Platinum in Single-Atom Pt ₁ /CeO ₂ Catalysts for Robust Low-Temperature CO Oxidation. <i>Angewandte Chemie</i> , 2021, 133, 26258-26266.	2.0	7
25	Addressing solar photochemistry durability with an amorphous nickel antimonate photoanode. <i>Cell Reports Physical Science</i> , 2022, 3, 100959.	5.6	6
26	CO oxidation on MgAl ₂ O ₄ supported Ir _n : activation of lattice oxygen in the subnanometer regime and emergence of nuclearity-activity volcano. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4266-4278.	10.3	4
27	Kinetic Synergy between Supported Ir Single Atoms and Nanoparticles during CO Oxidation Light-Off. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 15960-15971.	3.7	3
28	Exceptional Selectivity to Olefins in the Deoxygenation of Fatty Acids over an Intermetallic Platinum-Zinc Alloy. <i>Angewandte Chemie</i> , 0, , .	2.0	2