

Yong Yang

List of Publications by Year in descending order

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17
papers

1,127
citations

687363

13
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1351
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into methanol synthesis from CO ₂ hydrogenation on Cu(111): Complex reaction network and the effects of H ₂ O. <i>Journal of Catalysis</i> , 2011, 281, 199-211.	6.2	347
2	Rationally designed indium oxide catalysts for CO ₂ hydrogenation to methanol with high activity and selectivity. <i>Science Advances</i> , 2020, 6, eaaz2060.	10.3	211
3	Understanding of binding energy calibration in XPS of lanthanum oxide by <i>in situ</i> treatment. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22351-22358.	2.8	152
4	Bimetallic monolayer catalyst breaks the activity-selectivity trade-off on metal particle size for efficient chemoselective hydrogenations. <i>Nature Catalysis</i> , 2021, 4, 840-849.	34.4	102
5	Online Kinetics Study of Oxidative Coupling of Methane over La ₂ O ₃ for Methane Activation: What Is Behind the Distinguished Light-off Temperatures?. <i>ACS Catalysis</i> , 2018, 8, 11761-11772.	11.2	60
6	Understanding lanthanum oxide surface structure by DFT simulation of oxygen 1s calibrated binding energy in XPS after <i>in situ</i> treatment. <i>Applied Surface Science</i> , 2021, 548, 149214.	6.1	42
7	Nickel nanoparticles with interfacial confinement mimic noble metal catalyst in methane dry reforming. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119837.	20.2	36
8	Tuning the activities of cuprous oxide nanostructures via the oxide-metal interaction. <i>Nature Communications</i> , 2020, 11, 2312.	12.8	31
9	Active oxygen center in oxidative coupling of methane on La ₂ O ₃ catalyst. <i>Journal of Energy Chemistry</i> , 2021, 60, 649-659.	12.9	28
10	Direct aerobic oxidation of monoalcohol and diols to acetals using tandem Ru@MOF catalysts. <i>Nano Research</i> , 2021, 14, 479-485.	10.4	27
11	Engineering plasticization resistant gas separation membranes using metal-organic nanocapsules. <i>Chemical Science</i> , 2020, 11, 4687-4694.	7.4	22
12	Direct conversion of CO ₂ to a jet fuel over CoFe alloy catalysts. <i>Innovation(China)</i> , 2021, 2, 100170.	9.1	21
13	How CO ₂ poisons La ₂ O ₃ in an OCM catalytic reaction: A study by <i>in situ</i> XRD-MS and DFT. <i>Journal of Catalysis</i> , 2021, 396, 202-214.	6.2	14
14	Investigation of CO oxidation over Au/TiO ₂ catalyst through detailed temperature programmed desorption study under low temperature and Operando conditions. <i>Catalysis Today</i> , 2018, 307, 84-92.	4.4	13
15	Decomposition of Supported Pd Hydride Nanoparticles for the Synthesis of Highly Dispersed Metallic Catalyst. <i>Chemistry of Materials</i> , 2018, 30, 8116-8120.	6.7	7
16	Exploring the formation of carbonates on La ₂ O ₃ catalysts with OCM activity. <i>Catalysis Science and Technology</i> , 2021, 11, 6516-6528.	4.1	7
17	An <i>In Situ</i> Temperature-Dependent Study of La ₂ O ₃ Reactivation Process. <i>Frontiers in Chemistry</i> , 2021, 9, 694559.	3.6	5