Yusen Yang

List of Publications by Year
in descending order

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37	1,612	279798	330143
papers	citations	23 h-index	37 g-index

37	37	37	1448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metalâ€“Support Synergistic Catalysis in Pt/MoO_{3â€“x} Nanorods toward Ammonia Borane Hydrolysis with Efficient Hydrogen Generation. ACS Applied Materials & Interfaces, 2022, 14, 5275-5286.	8.0	44
2	Mechanism Investigations on Water Gas Shift Reaction over Cu(111), Cu(100), and Cu(211) Surfaces. ACS Omega, 2022, 7, 3514-3521.	3.5	12
3	Structural Design and Performance of Electrocatalysts for Carbon Dioxide Reduction: A Review. Acta Chimica Sinica, 2022, 80, 199.	1.4	3
4	Metalâ€“support interaction induced ZnO overlayer in Cu@ZnO/Al₂O₃ catalysts toward low-temperature waterâ€“gas shift reaction. RSC Advances, 2022, 12, 5509-5516.	3.6	2
5	Synergetic effect of Cu0 â^'Cu+ derived from layered double hydroxides toward catalytic transfer hydrogenation reaction. Applied Catalysis B: Environmental, 2022, 314, 121515.	20.2	51
6	Machine-Learning-Assisted Catalytic Performance Predictions of Single-Atom Alloys for Acetylene Semihydrogenation. ACS Applied Materials & Interfaces, 2022, 14, 25288-25296.	8.0	9
7	Highly-efficient RuNi single-atom alloy catalysts toward chemoselective hydrogenation of nitroarenes. Nature Communications, 2022, 13, .	12.8	68
8	Atomically-ordered active sites in NiMo intermetallic compound toward low-pressure hydrodeoxygenation of furfural. Applied Catalysis B: Environmental, 2021, 282, 119569.	20.2	92
9	Synergistic effect between Ni single atoms and acidâ€“base sites: Mechanism investigation into catalytic transfer hydrogenation reaction. Journal of Catalysis, 2021, 393, 1-10.	6.2	28
10	Addition of Sodium Additives for Improved Performance of Water-Gas Shift Reaction over Ni-Based Catalysts. ACS Omega, 2021, 6, 2346-2353.	3.5	6
11	Perspectives on Multifunctional Catalysts Derived from Layered Double Hydroxides toward Upgrading Reactions of Biomass Resources. ACS Catalysis, 2021, 11, 6440-6454.	11.2	46
12	MoO_x-Decorated Co-Based Catalysts toward the Hydrodeoxygenation Reaction of Biomass-Derived Platform Molecules. ACS Applied Materials & Interfaces, 2021, 13, 31799-31807.	8.0	26
13	Water-Gas-Shift Reaction on Au/TiO_{2â€“x} Catalysts with Various TiO₂ Crystalline Phases: A Theoretical and Experimental Study. Journal of Physical Chemistry C, 2021, 125, 20360-20372.	3.1	11
14	Pt atomic clusters catalysts with local charge transfer towards selective oxidation of furfural. Applied Catalysis B: Environmental, 2021, 295, 120290.	20.2	52
15	Ultrathin layered double hydroxides nanosheets array towards efficient electrooxidation of 5-hydroxymethylfurfural coupled with hydrogen generation. Applied Catalysis B: Environmental, 2021, 299, 120669.	20.2	83
16	Oxygen binding energy of doped metal: a shortcut to efficient Ni-based bimetallic catalysts for the hydrodeoxygenation reaction. Catalysis Science and Technology, 2021, 11, 4376-4386.	4.1	10
17	A recyclable CoGa intermetallic compound catalyst for the hydroformylation reaction. Journal of Catalysis, 2021, 404, 244-249.	6.2	11
18	The catalytic mechanism of the Au@TiO_{2â^'x}/ZnO catalyst towards a low-temperature water-gas shift reaction. Catalysis Science and Technology, 2020, 10, 768-775.	4.1	9

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19	Intermetallic compound catalysts: synthetic scheme, structure characterization and catalytic application. Journal of Materials Chemistry A, 2020, 8, 2207-2221.	10.3	63
20	Charge-separated metal-couple-site in NiZn alloy catalysts towards furfural hydrodeoxygenation reaction. Journal of Catalysis, 2020, 392, 69-79.	6.2	59
21	Catalytic Conversion Furfuryl Alcohol to Tetrahydrofurfuryl Alcohol and 2-Methylfuran at Terrace, Step, and Corner Sites on Ni. ACS Catalysis, 2020, 10, 7240-7249.	11.2	31
22	Geometric effect promoted hydrotalcites catalysts towards aldol condensation reaction. Chinese Journal of Catalysis, 2020, 41, 1279-1287.	14.0	20
23	NiBi intermetallic compounds catalyst toward selective hydrogenation of unsaturated aldehydes. Applied Catalysis B: Environmental, 2020, 277, 119273.	20.2	57
24	Charge-Mediated Au+â^'Oxygen Vacancy towards Glycerol Oxidation with Largely Improved Catalytic Performance. Applied Catalysis A: General, 2020, 598, 117558.	4.3	13
25	Singleâ€Atomicâ€Co Electrocatalysts with Selfâ€Supported Architecture toward Oxygenâ€Involved Reaction. Advanced Functional Materials, 2019, 29, 1906477.	14.9	91
26	Glycerol aerobic oxidation to glyceric acid over Pt/hydrotalcite catalysts at room temperature. Science Bulletin, 2019, 64, 1764-1772.	9.0	27
27	Activeâ€Oxygenâ€Enhanced Homogeneous Nucleation of Lithium Metal on Ultrathin Layered Double Hydroxide. Angewandte Chemie, 2019, 131, 4002-4006.	2.0	13
28	Activeâ€Oxygenâ€Enhanced Homogeneous Nucleation of Lithium Metal on Ultrathin Layered Double Hydroxide. Angewandte Chemie - International Edition, 2019, 58, 3962-3966.	13.8	44
29	The selective hydrogenation of furfural over intermetallic compounds with outstanding catalytic performance. Green Chemistry, 2019, 21, 5352-5362.	9.0	92
30	Zn-Zr-Al oxides derived from hydrotalcite precursors for ethanol conversion to diethyl carbonate. Chinese Journal of Catalysis, 2019, 40, 515-522.	14.0	9
31	A Control over Hydrogenation Selectivity of Furfural via Tuning Exposed Facet of Ni Catalysts. ACS Catalysis, 2019, 9, 4226-4235.	11.2	149
32	Au^{Î´â^'}â€“O_vâ€“Ti³⁺ Interfacial Site: Catalytic Active Center toward Low-Temperature Water Gas Shift Reaction. ACS Catalysis, 2019, 9, 2707-2717.	11.2	153
33	Preparation and Catalytic Performance of Supported Catalysts Derived from Layered Double Hydroxides. Acta Chimica Sinica, 2019, 77, 1129.	1.4	11
34	Acidâ€“base sites synergistic catalysis over Mgâ€“Zrâ€“Al mixed metal oxide toward synthesis of diethyl carbonate. RSC Advances, 2018, 8, 4695-4702.	3.6	45
35	Selective Hydrogenation of Cinnamaldehyde over Co-Based Intermetallic Compounds Derived from Layered Double Hydroxides. ACS Catalysis, 2018, 8, 11749-11760.	11.2	106
36	A CaMnAl-hydrotalcite solid basic catalyst toward the aldol condensation reaction with a comparable level to liquid alkali catalysts. Green Chemistry, 2018, 20, 3071-3080.	9.0	35

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37	Synthesis of Coâ€“Sn intermetallic nanocatalysts toward selective hydrogenation of citral. Journal of Materials Chemistry A, 2016, 4, 12825-12832.	10.3	31