Haiyong Wang

List of Publications by Year
in descending order

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31	606	687363 13	610901 24
papers	citations	h-index	g-index

33	33	33	621
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selectively chemo-catalytic hydrogenolysis of cellulose to EG and EtOH over porous SiO2 supported tungsten catalysts. Catalysis Today, 2023, 407, 89-95.	4.4	6
2	Tungsten oxide decorated silica-supported iridium catalysts combined with HZSM-5 toward the selective conversion of cellulose to C6 alkanes. Bioresource Technology, 2022, 347, 126403.	9.6	3
3	Comparative study on the hydrogenolysis performance of solid residues from different bamboo pretreatments. Bioresource Technology, 2022, 352, 127095.	9.6	4
4	Efficient production of ethylene glycol from cellulose over Co@C catalysts combined with tungstic acid. Sustainable Energy and Fuels, 2022, 6, 2602-2612.	4.9	6
5	Selective Hydrogenolysis of 5â€Hydroxymethylfurfural to 2â€Hexanol over Au/ZrO₂ Catalysts. ChemSusChem, 2022, 15, .	6.8	5
6	Efficient conversion of lactic acid to alanine over noble metal supported on Ni@C catalysts. RSC Advances, 2022, 12, 16847-16859.	3.6	4
7	Recent Progress in 5-Hydroxymethylfurfural Catalytic Oxidation to 2,5-Furandicarboxylic Acid. Current Organic Chemistry, 2021, 25, 404-416.	1.6	8
8	5-Hydroxymethylfurfural Hydrodeoxygenation Coupled with Water-Gas Shift Reaction for 2,5-Dimethylfuran Production over Au/ZrO₂ Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 6355-6369.	6.7	13
9	Selective 5-Hydroxymethylfurfural Hydrogenolysis to 2,5-Dimethylfuran over Bimetallic Pt-FeOx/AC Catalysts. Catalysts, 2021, 11, 915.	3.5	7
10	Selective Cellulose Hydrogenolysis to 2,5-Hexanedione and 1-Hydroxy-2-hexanone Using Ni@NC Combined with H₃PO₄. ACS Sustainable Chemistry and Engineering, 2021, 9, 15394-15405.	6.7	16
11	Selective (ligno) cellulose hydrogenolysis to ethylene glycol and propyl monophenolics over Niâ€“W@C catalysts. Cellulose, 2020, 27, 7591-7605.	4.9	18
12	A mechanism study on the efficient conversion of cellulose to acetol over Snâ€“Co catalysts with low Sn content. Green Chemistry, 2020, 22, 6579-6587.	9.0	13
13	Selective C₃-C₄ Keto-Alcohol Production from Cellulose Hydrogenolysis over Ni-WO_x/C Catalysts. ACS Catalysis, 2020, 10, 10646-10660.	11.2	39
14	Homogeneous Baseâ€Free Oxidation of 5â€Hydroxymethyfufural to 2, 5â€Furandicarboxylic Acid over Au/Mg(OH)₂ Catalysts. ChemistrySelect, 2020, 5, 12785-12790.	1.5	5
15	Catalytic Production of Oxygenated and Hydrocarbon Chemicals From Cellulose Hydrogenolysis in Aqueous Phase. Frontiers in Chemistry, 2020, 8, 333.	3.6	14
16	Ultrafast Glycerol Conversion to Lactic Acid over Magnetically Recoverable Niâ€“NiO_x@C Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 9912-9925.	3.7	26
17	Hydrogenolysis of biomass-derived sorbitol over La-promoted Ni/ZrO₂ catalysts. RSC Advances, 2020, 10, 3993-4001.	3.6	10
18	The Protection of Câˆ’O Bond of Pine Lignin in Different Organic Solvent Systems. ChemistrySelect, 2020, 5, 3850-3858.	1.5	4

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19	Selective Hydrodeoxygenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran over Alloyed Cuâ^'Ni Encapsulated in Biochar Catalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 19556-19569.	6.7	56
20	Selective Cellulose Hydrogenolysis to Ethanol Using Ni@C Combined with Phosphoric Acid Catalysts. ChemSusChem, 2019, 12, 3881-3881.	6.8	0
21	Tandem Conversion of Fructose to 2,5-Dimethylfuran with the Aid of Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 16026-16040.	6.7	16
22	Selective Cellulose Hydrogenolysis to Ethanol Using Ni@C Combined with Phosphoric Acid Catalysts. ChemSusChem, 2019, 12, 3977-3987.	6.8	49
23	Selective oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over Au/CeO₂ catalysts: the morphology effect of CeO₂. Catalysis Science and Technology, 2019, 9, 1570-1580.	4.1	77
24	Selective Conversion of Cellulose to Hydroxyacetone and 1â€Hydroxyâ€2â€Butanone with Snâ€“Ni Bimetallic Catalysts. ChemSusChem, 2019, 12, 2154-2160.	6.8	37
25	Selective hydrogenolysis of 5-hydroxymethylfurfural to 2,5-dimethylfuran over Co3O4 catalyst by controlled reduction. Journal of Energy Chemistry, 2019, 30, 34-41.	12.9	70
26	Catalytic Hydrogenolysis of Biomass-derived Polyhydric Compounds to C2â€“C3 Small- Molecule Polyols: A Review. Current Organic Chemistry, 2019, 23, 2180-2189.	1.6	4
27	Influence of Impregnation Processes on Rutheniumâ€“Molybdenum Carbon Catalysts for Selective Hydrodeoxygenation of Biomassâ€Derived Sorbitol into Renewable Alkanes. Energy Technology, 2018, 6, 1763-1770.	3.8	6
28	Direct Hydrogenolysis of Cellulose into Methane under Mild Conditions. Energy & Fuels, 2018, 32, 11529-11537.	5.1	18
29	Selective yields of furfural and hydroxymethylfurfural from glucose in tetrahydrofuran over HÎ² zeolite. RSC Advances, 2018, 8, 24534-24540.	3.6	12
30	Selective Hydrodeoxygenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran over Ni Supported on Zirconium Phosphate Catalysts. ACS Omega, 2018, 3, 7407-7417.	3.5	53
31	Hydrocarbon Distribution of Cellulose Hydrogenolysis over Ruâ€“MoOx/C Combined with HZSM-5. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	4