

# Huifang Liu

## List of Publications by Year in descending order

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21  
papers

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citations

516215

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citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic Cleavage of C-C Bond in Lignin Models under Visible Light on Mesoporous Graphitic Carbon Nitride through $\pi$ - $\pi$ Stacking Interaction. ACS Catalysis, 2018, 8, 4761-4771.	5.5	205
2	Sustainable Productions of Organic Acids and Their Derivatives from Biomass via Selective Oxidative Cleavage of C-C Bond. ACS Catalysis, 2018, 8, 2129-2165.	5.5	188
3	Photocatalytic Oxidation-Hydrogenolysis of Lignin $\beta$ -O-4 Models via a Dual Light Wavelength Switching Strategy. ACS Catalysis, 2016, 6, 7716-7721.	5.5	165
4	Acid promoted C-C bond oxidative cleavage of $\beta$ -O-4 and $\beta$ -1 lignin models to esters over a copper catalyst. Green Chemistry, 2017, 19, 702-706.	4.6	113
5	Visible-Light-Induced Oxidative Lignin C-C Bond Cleavage to Aldehydes Using Vanadium Catalysts. ACS Catalysis, 2020, 10, 632-643.	5.5	106
6	Enhanced photocatalytic alkane production from fatty acid decarboxylation via inhibition of radical oligomerization. Nature Catalysis, 2020, 3, 170-178.	16.1	93
7	Nb <sub>2</sub> O <sub>5</sub> -Based Photocatalysts. Advanced Science, 2021, 8, 2003156.	5.6	92
8	Visible-Light-Driven Selective Oxidation of Toluene into Benzaldehyde over Nitrogen-Modified Nb <sub>2</sub> O <sub>5</sub> Nanomeshes. ACS Catalysis, 2020, 10, 1324-1333.	5.5	75
9	Oxidative C(OH) C bond cleavage of secondary alcohols to acids over a copper catalyst with molecular oxygen as the oxidant. Journal of Catalysis, 2017, 348, 160-167.	3.1	72
10	New protocol of copper-catalyzed oxidative C(CO) C bond cleavage of aryl and aliphatic ketones to organic acids using O <sub>2</sub> as the terminal oxidant. Journal of Catalysis, 2017, 346, 170-179.	3.1	64
11	Photocatalytic Cleavage of Aryl Ether in Modified Lignin to Non-phenolic Aromatics. ACS Catalysis, 2019, 9, 8843-8851.	5.5	55
12	NH <sub>2</sub> OH-Mediated Lignin Conversion to Isoxazole and Nitrile. ACS Sustainable Chemistry and Engineering, 2018, 6, 3748-3753.	3.2	39
13	Amine-Mediated Bond Cleavage in Oxidized Lignin Models. ChemSusChem, 2020, 13, 4660-4665.	3.6	22
14	Photo-Thermo-Dual Catalysis of Levulinic Acid and Levulinate Ester to $\beta$ -Valerolactone. ACS Catalysis, 2022, 12, 1677-1685.	5.5	21
15	Photocatalytic conversion of waste plastics to low carbon number organic products. Chinese Journal of Catalysis, 2022, 43, 589-594.	6.9	20
16	Photocatalytic transfer hydrogenolysis of aromatic ketones using alcohols. Green Chemistry, 2020, 22, 3802-3808.	4.6	19
17	Catalytic Hydrodeoxygenation of Methyl Stearate and Microbial Lipids to Diesel-Range Alkanes over Pd/HPA-SiO <sub>2</sub> Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 17440-17450.	1.8	15
18	Mechanocatalytic Synergy for Expedited Cellulosic Ethanol Production Compatible with Integrated Biorefinery. ACS Sustainable Chemistry and Engineering, 2020, 8, 2399-2408.	3.2	11

#	ARTICLE	IF	CITATIONS
19	Enhanced lactic acid production from P2O5-pretreated biomass by domesticated <i>Pediococcus pentosaceus</i> without detoxification. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2153-2166.	1.7	5
20	Polar hydrogen species mediated nitroarenes selective reduction to anilines over an [FeMo]S catalyst. <i>Dalton Transactions</i> , 2022, 51, 1553-1560.	1.6	3
21	Synthesis of Silico-Phospho-Aluminum Nanosheets by Adding Amino Acid and its Catalysis in the Conversion of Furfuryl Alcohol to Fuel Additives. <i>ChemSusChem</i> , 2022, 15, .	3.6	3