

# Yao-Bing Huang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4207488/yao-bing-huang-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41  
papers

2,367  
citations

22  
h-index

48  
g-index

48  
ext. papers

2,706  
ext. citations

7  
avg, IF

5.31  
L-index

#	Paper	IF	Citations
41	Hydrolysis of cellulose to glucose by solid acid catalysts. <i>Green Chemistry</i> , <b>2013</b> , 15, 1095	10	478
40	Surface facet of palladium nanocrystals: a key parameter to the activation of molecular oxygen for organic catalysis and cancer treatment. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 3200-7	16.4	247
39	RANEY <sup>®</sup> Ni catalyzed transfer hydrogenation of levulinate esters to $\gamma$ -valerolactone at room temperature. <i>Chemical Communications</i> , <b>2013</b> , 49, 5328-30	5.8	167
38	Nickel-tungsten carbide catalysts for the production of 2,5-dimethylfuran from biomass-derived molecules. <i>ChemSusChem</i> , <b>2014</b> , 7, 1068-72	8.3	148
37	Room-temperature copper-catalyzed carbon-nitrogen coupling of aryl iodides and bromides promoted by organic ionic bases. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 7398-401	16.4	148
36	Selective hydrogenolysis of phenols and phenyl ethers to arenes through direct C-O cleavage over ruthenium-tungsten bifunctional catalysts. <i>Green Chemistry</i> , <b>2015</b> , 17, 3010-3017	10	89
35	Catalytic Transfer Hydrogenation of Furfural to 2-Methylfuran and 2-Methyltetrahydrofuran over Bimetallic Copper-Palladium Catalysts. <i>ChemSusChem</i> , <b>2016</b> , 9, 3330-3337	8.3	86
34	Hydrodeoxygenation of lignin-derived phenols into alkanes over carbon nanotube supported Ru catalysts in biphasic systems. <i>Green Chemistry</i> , <b>2015</b> , 17, 1710-1717	10	85
33	Ruthenium-catalyzed conversion of levulinic acid to pyrrolidines by reductive amination. <i>ChemSusChem</i> , <b>2011</b> , 4, 1578-81	8.3	85
32	Enhanced Catalytic Transfer Hydrogenation of Ethyl Levulinate to $\gamma$ -Valerolactone over a Robust Cu <sub>2</sub> Ni Bimetallic Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1322-1331	8.3	80
31	Microwave-assisted alcoholysis of furfural alcohol into alkyl levulinates catalyzed by metal salts. <i>Green Chemistry</i> , <b>2016</b> , 18, 1516-1523	10	74
30	Cu-Catalyzed carbon-heteroatom coupling reactions under mild conditions promoted by resin-bound organic ionic bases. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 800-10	4.2	65
29	Facile and high-yield synthesis of methyl levulinate from cellulose. <i>Green Chemistry</i> , <b>2018</b> , 20, 1323-1334	10	64
28	Production of high quality fuels from lignocellulose-derived chemicals: a convenient C-O bond formation of furfural, 5-methylfurfural and aromatic aldehyde. <i>RSC Advances</i> , <b>2012</b> , 2, 11211	3.7	60
27	Heterogeneous palladium catalysts for decarbonylation of biomass-derived molecules under mild conditions. <i>ChemSusChem</i> , <b>2013</b> , 6, 1348-51	8.3	57
26	Insight into Aluminum Sulfate-Catalyzed Xylan Conversion into Furfural in a $\gamma$ -Valerolactone/Water Biphasic Solvent under Microwave Conditions. <i>ChemSusChem</i> , <b>2017</b> , 10, 4066-4079	8.3	53
25	Electrochemical synthesis of adiponitrile from the renewable raw material glutamic acid. <i>ChemSusChem</i> , <b>2012</b> , 5, 617-20	8.3	43

24	Lithium tert-butoxide mediated Alkylation of ketones with primary alcohols under transition-metal-free conditions. <i>RSC Advances</i> , <b>2013</b> , 3, 7739	3.7	42
23	Room-Temperature Dissolution and Mechanistic Investigation of Cellulose in a Tetra-Butylammonium Acetate/Dimethyl Sulfoxide System. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 2286-2294	8.3	41
22	Highly efficient metal salt catalyst for the esterification of biomass derived levulinic acid under microwave irradiation. <i>RSC Advances</i> , <b>2016</b> , 6, 2106-2111	3.7	38
21	Room-Temperature Copper-Catalyzed Carbon-Nitrogen Coupling of Aryl Iodides and Bromides Promoted by Organic Ionic Bases. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 7534-7537	3.6	29
20	Isonitrile Formation by a Non-Heme Iron(II)-Dependent Oxidase/Decarboxylase. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9707-9710	16.4	23
19	Influence of alkenyl structures on the epoxidation of unsaturated fatty acid methyl esters and vegetable oils. <i>RSC Advances</i> , <b>2015</b> , 5, 74783-74789	3.7	16
18	Modification of Cellulose with Succinic Anhydride in TBAA/DMSO Mixed Solvent under Catalyst-Free Conditions. <i>Materials</i> , <b>2017</b> , 10,	3.5	16
17	Simple and efficient conversion of cellulose to Valerolactone through an integrated alcoholysis/transfer hydrogenation system using Ru and aluminium sulfate catalysts. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 6252-6262	5.5	15
16	Highly Efficient Silica-Supported Peroxycarboxylic Acid for the Epoxidation of Unsaturated Fatty Acid Methyl Esters and Vegetable Oils. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 3840-3849	8.3	14
15	Mechanistic Insights into the Solvent-Driven Adsorptive Hydrodeoxygenation of Biomass Derived Levulinate Acid/Ester to 2-Methyltetrahydrofuran over Bimetallic CuNi Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 11477-11490	8.3	13
14	A New Lewis Acidic Zr Catalyst for the Synthesis of Furanic Diesel Precursor from Biomass Derived Furfural and 2-Methylfuran. <i>Catalysis Letters</i> , <b>2019</b> , 149, 292-302	2.8	13
13	Highly Efficient and Recyclable Metal Salt Catalyst for the Production of Biodiesel: Toward Greener Process. <i>ChemistrySelect</i> , <b>2017</b> , 2, 3775-3782	1.8	9
12	Facile Discovery and Quantification of Isonitrile Natural Products via Tetrazine-Based Click Reactions. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 599-602	7.8	9
11	N-Aryl Pyrrole Synthesis from Biomass-Derived Furans and Arylamine over Lewis Acidic Hf-Doped Mesoporous SBA-15 Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12161-12167	8.3	9
10	Structures and pyrolytic characteristics of organosolv lignins from typical softwood, hardwood and herbaceous biomass. <i>Industrial Crops and Products</i> , <b>2021</b> , 171, 113912	5.9	9
9	Production of Acetic Acid from Lignocellulosic Biomass in the Presence of Mineral Acid and Oxygen under Hydrothermal Condition. <i>Acta Chimica Sinica</i> , <b>2014</b> , 72, 1223	3.3	8
8	Hafnium-Doped Mesoporous Silica as Efficient Lewis Acidic Catalyst for Friedel-Crafts Alkylation Reactions. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	7
7	Solving the Water Hypersensitive Challenge of Sulfated Solid Superacid in Acid-Catalyzed Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9919-9924	9.5	7

6	Enhanced Transfer Hydrogenation Activity of Zr-Doped Mesoporous Silica through Sol-Gel Method for the Reduction of Biomass-Derived Unsaturated Carbon-Oxygen Bonds. <i>ChemistrySelect</i> , <b>2018</b> , 3, 11071-11080	1.8	7
5	Isonitrile Formation by a Non-Heme Iron(II)-Dependent Oxidase/Decarboxylase. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9855-9858	3.6	6
4	Supported Pd Catalysts for the C-D Cleavage of the Lignin Derived Model Dimers through Intramolecular Hydrogenolysis Reaction. <i>Acta Chimica Sinica</i> , <b>2014</b> , 72, 1005	3.3	3
3	In-situ fabrication of Ag nanoparticles on biomass derived biochar as highly active catalyst for the halogenation of terminal alkynes at room temperature. <i>Applied Surface Science</i> , <b>2021</b> , 560, 150039	6.7	2
2	Facile discovery of isonitrile natural products via tetrazine based click reactions		1
1	Recent advances in the chemical valorization of cellulose and its derivatives into ester compounds. <i>Green Chemistry</i> ,	10	0