Yao-Bing Huang

List of Publications by Year in Descending Order

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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	In-situ fabrication of Ag nanoparticles on biomass derived biochar as highly active catalyst for the halogenation of terminal alkynes at room temperature. *Applied Surface Science*, **2021**, 560, 150039	6.7	2
40	Structures and pyrolytic characteristics of organosolv lignins from typical softwood, hardwood and herbaceous biomass. *Industrial Crops and Products*, **2021**, 171, 113912	5.9	9
39	Facile Discovery and Quantification of Isonitrile Natural Products via Tetrazine-Based Click Reactions. *Analytical Chemistry*, **2020**, 92, 599-602	7.8	9
38	Mechanistic Insights into the Solvent-Driven Adsorptive Hydrodeoxygenation of Biomass Derived Levulinate Acid/Ester to 2-Methyltetrahydrofuran over Bimetallic Cu□Ni Catalysts. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 11477-11490	8.3	13
37	N-Aryl Pyrrole Synthesis from Biomass-Derived Furans and Arylamine over Lewis Acidic Hf-Doped Mesoporous SBA-15 Catalyst. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 12161-12167	8.3	9
36	Hafnium-Doped Mesoporous Silica as Efficient Lewis Acidic Catalyst for Friedel-Crafts Alkylation Reactions. *Nanomaterials*, **2019**, 9,	5.4	7
35	Solving the Water Hypersensitive Challenge of Sulfated Solid Superacid in Acid-Catalyzed Reactions. *ACS Applied Materials & Interfaces*, **2019**, 11, 9919-9924	9.5	7
34	A New Lewis Acidic Zr Catalyst for the Synthesis of Furanic Diesel Precursor from Biomass Derived Furfural and 2-Methylfuran. *Catalysis Letters*, **2019**, 149, 292-302	2.8	13
33	Facile and high-yield synthesis of methyl levulinate from cellulose. *Green Chemistry*, **2018**, 20, 1323-1334	10	64
32	Isonitrile Formation by a Non-Heme Iron(II)-Dependent Oxidase/Decarboxylase. *Angewandte Chemie*, **2018**, 130, 9855-9858	3.6	6
31	Isonitrile Formation by a Non-Heme Iron(II)-Dependent Oxidase/Decarboxylase. *Angewandte Chemie - International Edition*, **2018**, 57, 9707-9710	16.4	23
30	Simple and efficient conversion of cellulose to γ-valerolactone through an integrated alcoholysis/transfer hydrogenation system using Ru and aluminium sulfate catalysts. *Catalysis Science and Technology*, **2018**, 8, 6252-6262	5.5	15
29	Enhanced Transfer Hydrogenation Activity of Zr-Doped Mesoporous Silica through Sol-Gel Method for the Reduction of Biomass-Derived Unsaturated Carbon-Oxygen Bonds. *ChemistrySelect*, **2018**, 3, 11071-11080	1.8	7
28	Highly Efficient and Recyclable Metal Salt Catalyst for the Production of Biodiesel: Toward Greener Process. *ChemistrySelect*, **2017**, 2, 3775-3782	1.8	9
27	Enhanced Catalytic Transfer Hydrogenation of Ethyl Levulinate to γ-Valerolactone over a Robust Cu□Ni Bimetallic Catalyst. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1322-1331	8.3	80
26	Insight into Aluminum Sulfate-Catalyzed Xylan Conversion into Furfural in a γ-Valerolactone/Water Biphasic Solvent under Microwave Conditions. *ChemSusChem*, **2017**, 10, 4066-4079	8.3	53
25	Modification of Cellulose with Succinic Anhydride in TBAA/DMSO Mixed Solvent under Catalyst-Free Conditions. *Materials*, **2017**, 10,	3.5	16

24	Microwave-assisted alcoholysis of furfural alcohol into alkyl levulinates catalyzed by metal salts. *Green Chemistry*, **2016**, 18, 1516-1523	10	74
23	Catalytic Transfer Hydrogenation of Furfural to 2-Methylfuran and 2-Methyltetrahydrofuran over Bimetallic Copper-Palladium Catalysts. *ChemSusChem*, **2016**, 9, 3330-3337	8.3	86
22	Highly efficient metal salt catalyst for the esterification of biomass derived levulinic acid under microwave irradiation. *RSC Advances*, **2016**, 6, 2106-2111	3.7	38
21	Room-Temperature Dissolution and Mechanistic Investigation of Cellulose in a Tetra-Butylammonium Acetate/Dimethyl Sulfoxide System. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2286-2294	8.3	41
20	Highly Efficient Silica-Supported Peroxycarboxylic Acid for the Epoxidation of Unsaturated Fatty Acid Methyl Esters and Vegetable Oils. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 3840-3849	8.3	14
19	Selective hydrogenolysis of phenols and phenyl ethers to arenes through direct C□O cleavage over ruthenium□tungsten bifunctional catalysts. *Green Chemistry*, **2015**, 17, 3010-3017	10	89
18	Influence of alkenyl structures on the epoxidation of unsaturated fatty acid methyl esters and vegetable oils. *RSC Advances*, **2015**, 5, 74783-74789	3.7	16
17	Hydrodeoxygenation of lignin-derived phenols into alkanes over carbon nanotube supported Ru catalysts in biphasic systems. *Green Chemistry*, **2015**, 17, 1710-1717	10	85
16	Nickel-tungsten carbide catalysts for the production of 2,5-dimethylfuran from biomass-derived molecules. *ChemSusChem*, **2014**, 7, 1068-72	8.3	148
15	Supported Pd Catalysts for the C□O Cleavage of the Lignin Derived Model Dimers through Intramolecular Hydrogenolysis Reaction. *Acta Chimica Sinica*, **2014**, 72, 1005	3.3	3
14	Production of Acetic Acid from Lignocellulosic Biomass in the Presence of Mineral Acid and Oxygen under Hydrothermal Condition. *Acta Chimica Sinica*, **2014**, 72, 1223	3.3	8
13	RANEY□ Ni catalyzed transfer hydrogenation of levulinate esters to □-valerolactone at room temperature. *Chemical Communications*, **2013**, 49, 5328-30	5.8	167
12	Lithium tert-butoxide mediated □-alkylation of ketones with primary alcohols under transition-metal-free conditions. *RSC Advances*, **2013**, 3, 7739	3.7	42
11	Hydrolysis of cellulose to glucose by solid acid catalysts. *Green Chemistry*, **2013**, 15, 1095	10	478
10	Heterogeneous palladium catalysts for decarbonylation of biomass-derived molecules under mild conditions. *ChemSusChem*, **2013**, 6, 1348-51	8.3	57
9	Surface facet of palladium nanocrystals: a key parameter to the activation of molecular oxygen for organic catalysis and cancer treatment. *Journal of the American Chemical Society*, **2013**, 135, 3200-7	16.4	247
8	Production of high quality fuels from lignocellulose-derived chemicals: a convenient C□C bond formation of furfural, 5-methylfurfural and aromatic aldehyde. *RSC Advances*, **2012**, 2, 11211	3.7	60
7	Electrochemical synthesis of adiponitrile from the renewable raw material glutamic acid. *ChemSusChem*, **2012**, 5, 617-20	8.3	43

6	Cu-Catalyzed carbon-heteroatom coupling reactions under mild conditions promoted by resin-bound organic ionic bases. *Journal of Organic Chemistry*, **2011**, 76, 800-10	4.2	65
5	Ruthenium-catalyzed conversion of levulinic acid to pyrrolidines by reductive amination. *ChemSusChem*, **2011**, 4, 1578-81	8.3	85
4	Room-Temperature Copper-Catalyzed Carbon–Nitrogen Coupling of Aryl Iodides and Bromides Promoted by Organic Ionic Bases. *Angewandte Chemie*, **2009**, 121, 7534-7537	3.6	29
3	Room-temperature copper-catalyzed carbon-nitrogen coupling of aryl iodides and bromides promoted by organic ionic bases. *Angewandte Chemie - International Edition*, **2009**, 48, 7398-401	16.4	148
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. *Green Chemistry*,	10	0