

# Xiaokun Yang

## List of Publications by Citations

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**Version:** 2024-04-23

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21  
papers

602  
citations

14  
h-index

21  
g-index

21  
ext. papers

696  
ext. citations

7  
avg, IF

3.9  
L-index

#	Paper	IF	Citations
21	Catalytic conversion of hemicellulosic biomass to lactic acid in pH neutral aqueous phase media. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 162, 149-157	21.8	95
20	Mechanistic insights into the production of methyl lactate by catalytic conversion of carbohydrates on mesoporous Zr-SBA-15. <i>Journal of Catalysis</i> , <b>2016</b> , 333, 207-216	7.3	92
19	Hydrothermal carbonization (HTC) of cow manure: Carbon and nitrogen distributions in HTC products. <i>Environmental Progress and Sustainable Energy</i> , <b>2016</b> , 35, 1002-1011	2.5	75
18	Effect of redox properties of LaCoO <sub>3</sub> perovskite catalyst on production of lactic acid from cellulosic biomass. <i>Catalysis Today</i> , <b>2016</b> , 269, 56-64	5.3	47
17	Hydrothermal Carbonization (HTC) and Pelletization of Two Arid Land Plants Bagasse for Energy Densification. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1106-1114	8.3	40
16	Direct Conversion of Cellulose into Ethyl Lactate in Supercritical Ethanol-Water Solutions. <i>ChemSusChem</i> , <b>2016</b> , 9, 36-41	8.3	35
15	Highly efficient conversion of terpenoid biomass to jet-fuel range cycloalkanes in a biphasic tandem catalytic process. <i>Green Chemistry</i> , <b>2017</b> , 19, 3566-3573	10	30
14	Wet Air Oxidation of Hydrothermal Carbonization (HTC) Process Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 3250-3254	8.3	30
13	Locating Si atoms in Si-doped boron carbide: A route to understand amorphization mitigation mechanism. <i>Acta Materialia</i> , <b>2018</b> , 157, 106-113	8.4	27
12	Simultaneously Converting Carbonate/Bicarbonate and Biomass to Value-added Carboxylic Acid Salts by Aqueous-phase Hydrogen Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 195-203	8.3	21
11	Hydrothermal synthesis of morphology-controllable Sb <sub>2</sub> O <sub>3</sub> microstructures: Hollow spindle-like and cobblestone-like microstructures. <i>Applied Surface Science</i> , <b>2011</b> , 257, 3657-3665	6.7	19
10	Shear-Induced Brittle Failure along Grain Boundaries in Boron Carbide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 5072-5080	9.5	16
9	Catalytic Transfer Hydrogenation of Furfural for the Production of Ethyl Levulinate: Interplay of Lewis and Brønsted Acidities. <i>Energy Technology</i> , <b>2018</b> , 6, 1826-1831	3.5	15
8	Self-assembled flower-like antimony trioxide microstructures with high infrared reflectance performance. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 200, 136-142	3.3	15
7	Structure and Properties of Boron-Very-Rich Boron Carbides: B <sub>12</sub> Icosahedra Linked through Bent CBB Chains. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 2448-2453	3.8	12
6	Production of High-Density Renewable Aviation Fuel from Arid Land Crop. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 10108-10119	8.3	10
5	Icosahedral superstrength at the nanoscale. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	8

4	Hydrodeoxygenation (HDO) of Biomass Derived Ketones Using Supported Transition Metals in a Continuous Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14521-14530	8.3	6
3	Upgrading Biocrude of <i>Grindelia Squarrosa</i> to Jet Fuel Precursors by Aqueous Phase Hydrodeoxygenation. <i>Energy Technology</i> , <b>2018</b> , 6, 1832-1843	3.5	4
2	Asymmetric twins in boron rich boron carbide. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 13340-13347	4.6	3
1	The Applications of Nanocomposite Catalysts in Biofuel Production <b>2018</b> , 309-350		2