

# Lintao Bu

## List of Publications by Year in descending order

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17  
papers

545  
citations

687363

13  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

855  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering a Cytochrome P450 for Demethylation of Lignin-Derived Aromatic Aldehydes. <i>Jacs Au</i> , 2021, 1, 252-261.	7.9	20
2	Oxidation and pyrolysis of methyl propyl ether. <i>International Journal of Chemical Kinetics</i> , 2021, 53, 915-938.	1.6	15
3	Pretreatment with Sodium Methyl Mercaptide Increases Carbohydrate Yield during Kraft Pulping. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11571-11580.	6.7	3
4	Advances in Multiscale Modeling of Lignocellulosic Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3512-3531.	6.7	79
5	Theoretical Determination of Size Effects in Zeolite-Catalyzed Alcohol Dehydration. <i>Catalysts</i> , 2019, 9, 700.	3.5	11
6	Enabling microbial syringol conversion through structure-guided protein engineering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13970-13976.	7.1	41
7	Diffusion of aromatic hydrocarbons in hierarchical mesoporous H-ZSM-5 zeolite. <i>Catalysis Today</i> , 2018, 312, 73-81.	4.4	44
8	Understanding Trends in Autoignition of Biofuels: Homologous Series of Oxygenated C5 Molecules. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5475-5486.	2.5	16
9	Strategies to reduce end-product inhibition in family 48 glycoside hydrolases. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 295-304.	2.6	10
10	Cell wall targeted iron accumulation enhances biomass conversion and seed iron concentration in Arabidopsis and rice. <i>Plant Biotechnology Journal</i> , 2016, 14, 1998-2009.	8.3	19
11	Furan Production from Glycoaldehyde over HZSM-5. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2615-2623.	6.7	19
12	The molecular origins of twist in cellulose I-beta. <i>Carbohydrate Polymers</i> , 2015, 125, 146-152.	10.2	50
13	Carbocation Stability in H-ZSM5 at High Temperature. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11397-11405.	2.5	14
14	Product Binding Varies Dramatically between Processive and Nonprocessive Cellulase Enzymes. <i>Journal of Biological Chemistry</i> , 2012, 287, 24807-24813.	3.4	57
15	Probing Carbohydrate Product Expulsion from a Processive Cellulase with Multiple Absolute Binding Free Energy Methods. <i>Journal of Biological Chemistry</i> , 2011, 286, 18161-18169.	3.4	69
16	Meso-Scale Modeling of Polysaccharides in Plant Cell Walls: An Application to Translation of CBMs on the Cellulose Surface. <i>ACS Symposium Series</i> , 2010, , 99-117.	0.5	3
17	The Energy Landscape for the Interaction of the Family 1 Carbohydrate-Binding Module and the Cellulose Surface is Altered by Hydrolyzed Glycosidic Bonds. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10994-11002.	2.6	75