

Li Shuai

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

2,273
citations

687363

13
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

2629
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ oxidation/reduction facilitates one-pot conversion of lignocellulosic biomass to bulk chemicals in alkaline solution. <i>Chemical Engineering Journal</i> , 2022, 429, 132365.	12.7	21
2	Production of Hydroxymethylfurfural Derivatives From Furfural Derivatives via Hydroxymethylation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 851668.	4.1	3
3	Nanomechanics of Lignin-Cellulase Interactions in Aqueous Solutions. <i>Biomacromolecules</i> , 2021, 22, 2033-2042.	5.4	32
4	Using poly(N-Vinylcaprolactam) to Improve the Enzymatic Hydrolysis Efficiency of Phenylsulfonic Acid-Pretreated Bamboo. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 804456.	4.1	4
5	Bioinspired Cellulase-Mimetic Solid Acid Catalysts for Cellulose Hydrolysis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 770027.	4.1	8
6	Protection Strategies Enable Selective Conversion of Biomass. <i>Angewandte Chemie</i> , 2020, 132, 11800-11812.	2.0	19
7	Protection Strategies Enable Selective Conversion of Biomass. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11704-11716.	13.8	82
8	Promoting enzymatic hydrolysis of lignocellulosic biomass by inexpensive soy protein. <i>Biotechnology for Biofuels</i> , 2019, 12, 51.	6.2	79
9	An α -D-glucopyranosyl lignin facilitates full biomass utilization. <i>Science Advances</i> , 2018, 4, eaau2968.	10.3	184
10	From Tree to Tape: Direct Synthesis of Pressure Sensitive Adhesives from Depolymerized Raw Lignocellulosic Biomass. <i>ACS Central Science</i> , 2018, 4, 701-708.	11.3	116
11	Selective C-C Bond Cleavage of Methylene-Linked Lignin Models and Kraft Lignin. <i>ACS Catalysis</i> , 2018, 8, 6507-6512.	11.2	86
12	Towards high-yield lignin monomer production. <i>Green Chemistry</i> , 2017, 19, 3752-3758.	9.0	121
13	Organic Solvent Effects in Biomass Conversion Reactions. <i>ChemSusChem</i> , 2016, 9, 133-155.	6.8	320
14	The influence of interunit carbon-carbon linkages during lignin upgrading. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2016, 2, 59-63.	5.9	58
15	Formaldehyde stabilization facilitates lignin monomer production during biomass depolymerization. <i>Science</i> , 2016, 354, 329-333.	12.6	944
16	A mild biomass pretreatment using γ -valerolactone for concentrated sugar production. <i>Green Chemistry</i> , 2016, 18, 937-943.	9.0	184