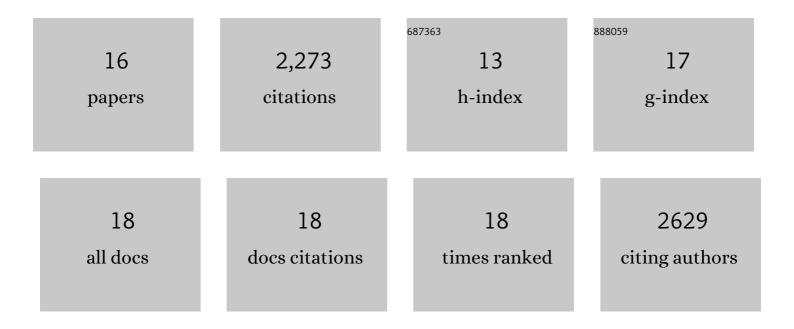
Li Shuai

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5939058/publications.pdf Version: 2024-02-01



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