

Liang-Fang Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8069282/publications.pdf>

Version: 2024-02-01

21
papers

926
citations

566801

15
h-index

713013

21
g-index

22
all docs

22
docs citations

22
times ranked

1104
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the NaCl-Induced Formation of Soluble Humins during Fructose Dehydration to 5-Hydroxymethylfurfural. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 5786-5796.	1.8	9
2	Solvent Effects on Degradative Condensation Side Reactions of Fructose in Its Initial Conversion to 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2020, 13, 501-512.	3.6	46
3	Controlling the Reaction Networks for Efficient Conversion of Glucose into 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2020, 13, 4812-4832.	3.6	73
4	High-Efficiency Synthesis of 5-Hydroxymethylfurfural from Fructose over Highly Sulfonated Organocatalyst. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17218-17227.	1.8	21
5	Solvent Effects on Degradative Condensation Side Reactions of Fructose in Its Initial Conversion to 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2020, 13, 438-438.	3.6	4
6	Molecular mechanism comparison of decarbonylation with deoxygenation and hydrogenation of 5-hydroxymethylfurfural catalyzed by palladium acetate. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3795-3804.	1.3	8
7	Adjusting the acidity of sulfonated organocatalyst for the one-pot production of 5-ethoxymethylfurfural from fructose. <i>Catalysis Science and Technology</i> , 2019, 9, 483-492.	2.1	28
8	One-Pot Synthesis of 2,5-Diformylfuran from Fructose by Bifunctional Polyaniline-Supported Heteropolyacid Hybrid Catalysts. <i>Catalysts</i> , 2019, 9, 445.	1.6	14
9	Cooperative Catalytic Performance of Lewis and Brønsted Acids from AlCl ₃ Salt in Aqueous Solution toward Glucose-to-Fructose Isomerization. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4879-4891.	1.5	28
10	Catalytic Dehydration of Fructose into 5-Hydroxymethylfurfural by a DMSO-like Polymeric Solid Organocatalyst. <i>ChemCatChem</i> , 2017, 9, 3218-3225.	1.8	25
11	Performance of Dimethyl Sulfoxide and Brønsted Acid Catalysts in Fructose Conversion to 5-Hydroxymethylfurfural. <i>ACS Catalysis</i> , 2017, 7, 2199-2212.	5.5	100
12	Sulfonated polyaniline as a solid organocatalyst for dehydration of fructose into 5-hydroxymethylfurfural. <i>Green Chemistry</i> , 2017, 19, 1932-1939.	4.6	64
13	Insights into the Kinetics and Reaction Network of Aluminum Chloride-Catalyzed Conversion of Glucose in NaCl/H ₂ O/THF Biphasic System. <i>ACS Catalysis</i> , 2017, 7, 256-266.	5.5	133
14	Suppression of oligomer formation in glucose dehydration by CO ₂ and tetrahydrofuran. <i>Green Chemistry</i> , 2017, 19, 3334-3343.	4.6	55
15	One-Pot Deoxygenation of Fructose to Furfuryl Alcohol by Sequential Dehydration and Decarbonylation. <i>ChemCatChem</i> , 2016, 8, 1379-1385.	1.8	16
16	Formyl-Modified Polyaniline for the Catalytic Dehydration of Fructose to 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2016, 9, 2174-2181.	3.6	26
17	Mechanistic Study of Glucose-to-Fructose Isomerization in Water Catalyzed by [Al(OH) ₂ (aq)] ⁺ . <i>ACS Catalysis</i> , 2015, 5, 5097-5103.	5.5	161
18	Catalytic pyrolysis of natural algae from water blooms over nickel phosphide for high quality bio-oil production. <i>RSC Advances</i> , 2013, 3, 10806.	1.7	41

#	ARTICLE	IF	CITATIONS
19	Elucidating active species and mechanism of the direct oxidation of benzene to phenol with hydrogen peroxide catalyzed by vanadium-based catalysts using DFT calculations. RSC Advances, 2012, 2, 2329.	1.7	8
20	Nature of vanadium species on vanadium silicalite-1 zeolite and their stability in hydroxylation reaction of benzene to phenol. Catalysis Science and Technology, 2011, 1, 1060.	2.1	50
21	Direct Amination of Benzene to Aniline by Aqueous Ammonia and Hydrogen Peroxide over V ⁵⁺ /Ni/Al ₂ O ₃ Catalyst with Catalytic Distillation. Industrial & Engineering Chemistry Research, 2007, 46, 3443-3445.	1.8	16