Wenzhi Li

List of Publications by Year
in descending order

57	1,893	218677 26	265206 42
papers	citations	h-index	g-index

57	57	57	1809
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tungsten oxide decorated silica-supported iridium catalysts combined with HZSM-5 toward the selective conversion of cellulose to C6 alkanes. Bioresource Technology, 2022, 347, 126403.	9.6	3
2	Numerical Studies on Cellulose Hydrolysis in Organicâ€“Liquidâ€“Solid Phase Systems with a Liquid Membrane Catalysis Model. ACS Omega, 2022, 7, 2286-2303.	3.5	1
3	A rod-like Co3O4 with high efficiency and large specific surface area for lean methane catalytic oxidation. Molecular Catalysis, 2022, 522, 112229.	2.0	6
4	Recent progress in direct production of furfural from lignocellulosic residues and hemicellulose. Bioresource Technology, 2022, 354, 127126.	9.6	34
5	The effects of facet-dependent palladium-titania interactions on the activity of Pd/Rutile catalysts for lean methane oxidation. Molecular Catalysis, 2022, 528, 112475.	2.0	3
6	Highly Active and Stable Palladium Catalysts Supported on Surfaceâ€modified Ceria Nanowires for Lean Methane Combustion. ChemCatChem, 2021, 13, 664-673.	3.7	13
7	Efficient catalytic conversion of corn stover to furfural and 5-hydromethylfurfural using glucosamine hydrochloride derived carbon solid acid in Æ³-valerolactone. Industrial Crops and Products, 2021, 161, 113173.	5.2	33
8	Au Nanoparticles Supported on Iron-Based Oxides for Soot Oxidation: Physicochemical Properties Before and After the Reaction. ACS Omega, 2021, 6, 11510-11518.	3.5	8
9	Elucidation of the Active Phase in Pdâ€Based Catalysts Supporting on Octahedral CeO₂ for Lowâ€Temperature Methane Oxidation. ChemistrySelect, 2021, 6, 4149-4159.	1.5	8
10	High dispersed Pd supported on CeO2 (1 0 0) for CO oxidation at low temperature. Molecular Catalysis, 2021, 508, 111580.	2.0	7
11	Pentaâ€coordinated Al³⁺ Stabilized Defectâ€Rich Ceria on Al₂O₃ Supported Palladium Catalysts for Lean Methane Oxidation. ChemCatChem, 2021, 13, 3490-3500.	3.7	13
12	Valorization of lignin in native corn stover via fractionation-hydrogenolysis process over cobalt-supported catalyst without external hydrogen. Molecular Catalysis, 2021, 514, 111832.	2.0	5
13	Efficient conversion of corn stover to 5-hydroxymethylfurfural and furfural using a novel acidic resin catalyst in water-1, 4-dioxane system. Molecular Catalysis, 2021, 515, 111920.	2.0	8
14	Degradation of Formaldehyde over MnO₂/CeO₂ Hollow Spheres: Elucidating the Influence of Carbon Sphere Self-Sacrificing Templates. ACS Omega, 2021, 6, 35404-35415.	3.5	8
15	HCHO Removal by MnO₂(<i>x</i>)â€“CeO₂: Influence of the Synergistic Effect on the Catalytic Activity. Industrial & Engineering Chemistry Research, 2020, 59, 596-608.	3.7	38
16	High performance of Mo-promoted Ir/SiO2 catalysts combined with HZSM-5 toward the conversion of cellulose to C5/C6 alkanes. Bioresource Technology, 2020, 297, 122492.	9.6	13
17	Coking Prediction in Catalytic Glucose Conversion to Levulinic Acid Using Improved Lattice Boltzmann Model. Industrial & Engineering Chemistry Research, 2020, 59, 17462-17475.	3.7	4
18	Palladium Nanoparticles Supported on Surface-Modified Metal Oxides for Catalytic Oxidation of Lean Methane. ACS Applied Nano Materials, 2020, 3, 12130-12138.	5.0	27

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19	Ultrafast Glycerol Conversion to Lactic Acid over Magnetically Recoverable Niâ€“NiO<i>_x</i>@C Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 9912-9925.	3.7	26
20	Effects of the novel catalyst Niâ€“S₂O₈^{2â^’}â€“K₂O/TiO₂on efficient lignin depolymerization. RSC Advances, 2020, 10, 8558-8567.	3.6	4
21	Hydroxyl groups attached to Co²⁺ on the surface of Co₃O₄: a promising structure for propane catalytic oxidation. Catalysis Science and Technology, 2020, 10, 2573-2582.	4.1	39
22	Highly active Pd catalysts supported on surface-modified cobalt-nickel mixed oxides for low temperature oxidation of lean methane. Fuel, 2020, 279, 118372.	6.4	26
23	Atomically dispersed palladium-based catalysts obtained <i>via</i> constructing a spatial structure with high performance for lean methane combustion. Journal of Materials Chemistry A, 2020, 8, 7395-7404.	10.3	40
24	Catalytic Conversion of Glucose to 5-Hydroxymethylfurfural and Furfural by a Phosphate-Doped SnO2 Catalyst in Î³-Valerolactone-Water System. Catalysis Letters, 2020, 150, 3304-3313.	2.6	6
25	Synthesis of sulfonated chitosan-derived carbon-based catalysts and their applications in the production of 5-hydroxymethylfurfural. International Journal of Biological Macromolecules, 2020, 157, 368-376.	7.5	30
26	Production of furfural from xylose catalyzed by a novel calcium gluconate derived carbon solid acid in 1,4-dioxane. New Journal of Chemistry, 2020, 44, 7968-7975.	2.8	18
27	Production of high-yield short-chain oligomers from cellulose <i>via</i> selective hydrolysis in molten salt hydrates and separation. Green Chemistry, 2019, 21, 5030-5038.	9.0	32
28	Efficient Synthesis of Liquid Fuel Intermediates from Furfural and Levulinic Acid via Aldol Condensation over Hierarchical MFI Zeolite Catalyst. Energy & Fuels, 2019, 33, 12518-12526.	5.1	15
29	Preparation of two different crystal structures of cerous phosphate as solid acid catalysts: their different catalytic performance in the aldol condensation reaction between furfural and acetone. RSC Advances, 2019, 9, 16919-16928.	3.6	11
30	Liquid membrane catalytic model of hydrolyzing cellulose into 5-hydroxymethylfurfural based on the lattice Boltzmann method. RSC Advances, 2019, 9, 12846-12853.	3.6	6
31	Selective oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over Au/CeO₂ catalysts: the morphology effect of CeO₂. Catalysis Science and Technology, 2019, 9, 1570-1580.	4.1	77
32	Efficient catalytic conversion of corn stalk and xylose into furfural over sulfonated graphene in Î³-valerolactone. RSC Advances, 2019, 9, 10569-10577.	3.6	26
33	Efficient depolymerization of Kraft lignin to liquid fuels over an amorphous titanium-zirconium mixed oxide supported partially reduced nickel-cobalt catalyst. Bioresource Technology, 2019, 284, 293-301.	9.6	36
34	Lignin-first depolymerization of native corn stover with an unsupported MoS₂ catalyst. RSC Advances, 2018, 8, 1361-1370.	3.6	35
35	Continuous Production of 5â€Hydroxymethylfurfural from Monosaccharide over Zirconium Phosphates. ChemistrySelect, 2018, 3, 10983-10990.	1.5	9
36	Production of liquefied fuel from depolymerization of kraft lignin over a novel modified nickel/H-beta catalyst. Bioresource Technology, 2018, 269, 346-354.	9.6	51

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37	Efficient transformation of corn stover to furfural using p-hydroxybenzenesulfonic acid-formaldehyde resin solid acid. Bioresource Technology, 2018, 264, 261-267.	9.6	70
38	Typical crystal face effects of different morphology ceria on the activity of Pd/CeO2 catalysts for lean methane combustion. Fuel, 2018, 233, 10-20.	6.4	103
39	Catalytic Performance of Novel Hierarchical Porous Flower-Like NiCo2O4 Supported Pd in Lean Methane Oxidation. Catalysis Letters, 2018, 148, 2799-2811.	2.6	13
40	Conversion of biomass-derived carbohydrates into 5-hydroxymethylfurfural catalyzed by sulfonic acid-functionalized carbon material with high strong-acid density in Î³-valerolactone. Research on Chemical Intermediates, 2018, 44, 5439-5453.	2.7	18
41	High conversion of glucose to 5-hydroxymethylfurfural using hydrochloric acid as a catalyst and sodium chloride as a promoter in a water/Î³-valerolactone system. RSC Advances, 2017, 7, 14330-14336.	3.6	64
42	Recent advances in catalytic production of sugar alcohols and their applications. Science China Chemistry, 2017, 60, 853-869.	8.2	68
43	Liquefaction of kraft lignin by hydrocracking with simultaneous use of a novel dual acid-base catalyst and a hydrogenation catalyst. Bioresource Technology, 2017, 243, 100-106.	9.6	69
44	Production of furfural from xylose and corn stover catalyzed by a novel porous carbon solid acid in Î³-valerolactone. RSC Advances, 2017, 7, 29916-29924.	3.6	57
45	p-Hydroxybenzenesulfonic acidâ€“formaldehyde solid acid resin for the conversion of fructose and glucose to 5-hydroxymethylfurfural. RSC Advances, 2017, 7, 27682-27688.	3.6	31
46	Impact of ferrocene on the nanostructure and functional groups of soot in a propane/oxygen diffusion flame. RSC Advances, 2017, 7, 5427-5436.	3.6	11
47	Dehydration of glucose to 5-hydroxymethylfurfural and 5-ethoxymethylfurfural by combining Lewis and BrÃ¸nsted acid. RSC Advances, 2017, 7, 41546-41551.	3.6	59
48	Production of liquid fuel intermediates from furfural via aldol condensation over Lewis acid zeolite catalysts. Catalysis Science and Technology, 2017, 7, 3555-3561.	4.1	66
49	A two-stage pretreatment using acidic dioxane followed by dilute hydrochloric acid on sugar production from corn stover. RSC Advances, 2017, 7, 32452-32460.	3.6	27
50	Enhanced furfural production from raw corn stover employing a novel heterogeneous acid catalyst. Bioresource Technology, 2017, 245, 258-265.	9.6	88
51	Oneâ€Pot Conversion of Carbohydrates into 5â€(Hydroxymethyl)furfural using Heterogeneous Lewisâ€Acid and BrÃ¸nstedâ€Acid Catalysts. Energy Technology, 2017, 5, 747-755.	3.8	41
52	Low Temperature Complete Combustion of Lean Methane over Cobaltâ€“Nickel Mixedâ€Oxide Catalysts. Energy Technology, 2017, 5, 604-610.	3.8	26
53	A two-stage pretreatment process using dilute hydrochloric acid followed by Fenton oxidation to improve sugar recovery from corn stover. Bioresource Technology, 2016, 219, 753-756.	9.6	55
54	Characterization Of C₆₀/Bi₂TiO₄F₂ as a Potential Visible Spectrum Photocatalyst for The Depolymerization of Lignin. Journal of Wood Chemistry and Technology, 2016, 36, 365-376.	1.7	15

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55	Catalytic conversion of xylose and corn stalk into furfural over carbon solid acid catalyst in Î³-valerolactone. Bioresource Technology, 2016, 209, 108-114.	9.6	127
56	Pretreatment of corn stover for sugar production using a two-stage dilute acid followed by wet-milling pretreatment process. Bioresource Technology, 2016, 211, 435-442.	9.6	76
57	Conversion of corn stalk into furfural using a novel heterogeneous strong acid catalyst in Î³-valerolactone. Bioresource Technology, 2015, 198, 764-771.	9.6	90