CITATION REPORT List of articles citing



DOI: 10.1134/s1070427210020266 Russian Journal of Applied Chemistry, 2010, 83, 320-327.

Source: https://exaly.com/paper-pdf/47750201/citation-report.pdf

Version: 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
115	Microporous Humins Synthesized in Concentrated Sulfuric Acid Using 5Hydroxymethyl Furfural.		
114	Catalytic production of levulinic acid from cellulose and other biomass-derived carbohydrates with sulfonated hyperbranched poly(arylene oxindole)s. 2011 , 4, 3601		193
113	Kinetics of glucose decomposition in formic acid. 2011 , 89, 2706-2713		56
112	An integrated process for the production of platform chemicals and diesel miscible fuels by acid-catalyzed hydrolysis and downstream upgrading of the acid hydrolysis residues with thermal and catalytic pyrolysis. 2012 , 126, 92-100		22
111	Formation, molecular structure, and morphology of humins in biomass conversion: influence of feedstock and processing conditions. 2013 , 6, 1745-58		380
110	Experimental studies on the pyrolysis of humins from the acid-catalysed dehydration of C6-sugars. Journal of Analytical and Applied Pyrolysis, 2013 , 104, 299-307	6	61
109	High yield production of 5-hydroxymethylfurfural from cellulose by high concentration of sulfates in biphasic system. 2013 , 15, 1967		181
108	Conversion of Cellulose to 5-Hydroxymethylfurfural in Water-Tetrahydrofuran and Byproducts Identification. 2014 , 27, 711-717		7
107	Lignin wastes: Past, present, and future. 2014 , 84, 2632-2642		10
106	Methanesulfonic acid-catalyzed conversion of glucose and xylose mixtures to levulinic acid and furfural. 2014 , 52, 46-57		72
105	Full, Reactive Solubilization of Humin Byproducts by Alkaline Treatment and Characterization of the Alkali-Treated Humins Formed. 2015 , 3, 533-543		45
104	Structural characterization of 13C-enriched humins and alkali-treated 13C humins by 2D solid-state NMR. 2015 , 17, 4383-4392		107
103	Hemicellulose arabinogalactan hydrolytic hydrogenation over Ru-modified H-USY zeolites. 2015 , 330, 93-105		26
102	The role of xylulose as an intermediate in xylose conversion to furfural: insights via experiments and kinetic modelling. 2015 , 5, 66727-66737		25
101	Catalytic Hydrotreatment of Humins in Mixtures of Formic Acid/2-Propanol with Supported Ruthenium Catalysts. 2016 , 9, 951-61		33
100	Effect of pretreatment on the formation of 5-chloromethyl furfural derived from sugarcane bagasse. 2016 , 6, 5240-5248		8
99	Glucose formate conversion in gamma-valerolactone. 2016 , 269, 88-92		9

(2018-2016)

98	Structural characterization and pyrolysis behavior of humin by-products from the acid-catalyzed conversion of C6 and C5 carbohydrates. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 118, 259-266	45
97	Solid acid catalyzed synthesis of furans from carbohydrates. 2016 , 58, 36-112	90
96	Molecular structure, morphology and growth mechanisms and rates of 5-hydroxymethyl furfural (HMF) derived humins. 2016 , 18, 1983-1993	201
95	Characterization of the Water-Soluble Fraction of Woody Biomass Pyrolysis Oils. 2017 , 31, 1650-1664	56
94	Exploratory catalyst screening studies on the liquefaction of model humins from C6 sugars. 2017 , 7, 5136-51	47 14
93	Towards the photophysical studies of humin by-products. 2017 , 53, 7015-7017	11
92	The Role of Various Chlorides on Xylose Conversion to Furfural: Experiments and Kinetic Modeling. 2017 , 9, 3031-3040	13
91	Catalytic Liquefaction of Humin Substances from Sugar Biorefineries with Pt/C in 2-Propanol. 2017 , 5, 469-480	17
90	Benign-by-design preparation of humin-based iron oxide catalytic nanocomposites. 2017 , 19, 4423-4434	46
89	Kinetic Study of the Acid Post-hydrolysis of Xylooligosaccharides from Hydrothermal Pretreatment. 2017 , 10, 1045-1056	6
88	Synthesis of Humin-Phenol-Formaldehyde Adhesive. 2017 , 9,	18
87	Hydrothermolysis of pine wood. 2018 , 109, 100-113	14
86	Structural analysis of humins formed in the Brflsted acid catalyzed dehydration of fructose. 2018 , 20, 997-1006	85
85	Catalytic insights into the production of biomass-derived side products methyl levulinate, furfural and humins. 2018 , 302, 2-15	100
84	Multi-valorisation of giant reed (Arundo Donax L.) to give levulinic acid and valuable phenolic antioxidants. 2018 , 112, 6-17	22
83	Humins from Biorefineries as Thermoreactive Macromolecular Systems. 2018 , 11, 4246-4255	18
82	Acidic Hydrothermal Dehydration of d-Glucose into Humins: Identification and Characterization of Intermediates. 2018 , 6, 13487-13493	31
81	Catalytic conversion of glucose to 5-hydroxymethylfurfural using zirconium-containing metal-organic frameworks using microwave heating 2018 , 8, 31618-31627	30

80	Valorization of humins by phosphoric acid activation for activated carbon production. 2018, 8, 889-897	12
79	Catalytic Hydrotreatment of Humins to Bio-Oil in Methanol over Supported Metal Catalysts. 2018 , 11, 3609-3617	10
78	Auto-Crosslinked Rigid Foams Derived from Biorefinery Byproducts. 2018 , 11, 2797-2809	31
77	Microporous Humins Synthesized in Concentrated Sulfuric Acid Using 5-Hydroxymethyl Furfural. 2018 , 3, 8537-8545	9
76	Production of levulinic acid from corn cob residue in a fed-batch acid hydrolysis process. 2018 , 73, 124-131	18
75	Deactivation of Sn-Beta during carbohydrate conversion. 2018 , 564, 113-122	24
74	Valorization of Biomass Hydrolysis Waste: Activated Carbon from Humins as Exceptional Sorbent for Wastewater Treatment. 2018 , 10, 1795	15
73	Sequential Production of Levulinic Acid and Porous Carbon Material from Cellulose. 2018, 11,	6
72	Electrochemical Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid (FDCA) in Acidic Media Enabling Spontaneous FDCA Separation. 2018 , 11, 2138-2145	83
71	From lignocellulosic biomass to levulinic acid: A review on acid-catalyzed hydrolysis. 2018 , 94, 340-362	271
7 ¹	From lignocellulosic biomass to levulinic acid: A review on acid-catalyzed hydrolysis. 2018 , 94, 340-362 Design of an industrial autohydrolysis pretreatment plant for annual lignocellulose. 2019 , 1	271
70	Design of an industrial autohydrolysis pretreatment plant for annual lignocellulose. 2019 , 1 Mechanism and theory of d-glucopyranose homogeneous acid catalysis in the aqueous solution	3
7° 69	Design of an industrial autohydrolysis pretreatment plant for annual lignocellulose. 2019 , 1 Mechanism and theory of d-glucopyranose homogeneous acid catalysis in the aqueous solution phase. 2019 , 21, 17993-18011 Reconstruction of humins formation mechanism from decomposition products: A GC-MS study	3
7° 69 68	Design of an industrial autohydrolysis pretreatment plant for annual lignocellulose. 2019 , 1 Mechanism and theory of d-glucopyranose homogeneous acid catalysis in the aqueous solution phase. 2019 , 21, 17993-18011 Reconstruction of humins formation mechanism from decomposition products: A GC-MS study based on catalytic continuous flow depolymerizations. 2019 , 479, 110564	3 4 11
7° 69 68 67	Design of an industrial autohydrolysis pretreatment plant for annual lignocellulose. 2019, 1 Mechanism and theory of d-glucopyranose homogeneous acid catalysis in the aqueous solution phase. 2019, 21, 17993-18011 Reconstruction of humins formation mechanism from decomposition products: A GC-MS study based on catalytic continuous flow depolymerizations. 2019, 479, 110564 Kinetics and Chemorheological Analysis of Cross-Linking Reactions in Humins. 2019, 11, Molecular Structure and Formation Mechanism of Hydrochar from Hydrothermal Carbonization of	3 4 11
70 69 68 67 66	Design of an industrial autohydrolysis pretreatment plant for annual lignocellulose. 2019, 1 Mechanism and theory of d-glucopyranose homogeneous acid catalysis in the aqueous solution phase. 2019, 21, 17993-18011 Reconstruction of humins formation mechanism from decomposition products: A GC-MS study based on catalytic continuous flow depolymerizations. 2019, 479, 110564 Kinetics and Chemorheological Analysis of Cross-Linking Reactions in Humins. 2019, 11, Molecular Structure and Formation Mechanism of Hydrochar from Hydrothermal Carbonization of Carbohydrates. 2019, 33, 9904-9915	3 4 11 14 26

(2020-2019)

62	Condensation of Ecarbonyl Aldehydes Leads to the Formation of Solid Humins during the Hydrothermal Degradation of Carbohydrates. 2019 , 4, 7330-7343	37
61	Preparation of furans from catalytic conversion of corn stover in H2OIIHF co-solvent system IThe effects of acids combined with alkali metal cations. 2019 , 97, 105-111	5
60	Examining Acid Formation During the Selective Dehydration of Fructose to 5-Hydroxymethylfurfural in Dimethyl Sulfoxide and Water. 2019 , 12, 2211-2219	23
59	Synthesis of Resins Using Epoxies and Humins as Building Blocks: A Mechanistic Study Based on In-Situ FT-IR and NMR Spectroscopies. 2019 , 24,	7
58	Pressure drop, mechanic deformation, stabilization and scale-up of wheat straw fixed-beds during hydrothermal pretreatment: Experiments and modeling. <i>Chemical Engineering Journal</i> , 2019 , 360, 1587-1600	4
57	Formation of humins during degradation of carbohydrates and furfural derivatives in various solvents. 2020 , 10, 277-287	36
56	Solvent Effects on Degradative Condensation Side Reactions of Fructose in Its Initial Conversion to 5-Hydroxymethylfurfural. 2020 , 13, 501-512	20
55	Understanding the influence of biomass particle size and reaction medium on the formation pathways of hydrochar. 2020 , 10, 1357-1380	16
54	Biorefinery Byproducts and Epoxy Biorenewable Monomers: A Structural Elucidation of Humins and Triglycidyl Ether of Phloroglucinol Cross-Linking. 2020 , 21, 517-533	10
53	Formation of Soluble Furanic and Carbocyclic Oxy-Organics during the Hydrothermal Carbonization of Glucose. 2020 , 34, 1830-1840	11
52	Evolution Process and Controlled Synthesis of Humins with 5-Hydroxymethylfurfural (HMF) as Model Molecule. 2020 , 13, 513-519	35
51	Characterization of the Soluble Products Formed during the Hydrothermal Conversion of Biomass-Derived Furanic Compounds by Using LC-MS/MS. 2020 , 5, 23322-23333	6
50	Mechanistic understanding of humin formation in the conversion of glucose and fructose to 5-hydroxymethylfurfural in [BMIM]Cl ionic liquid 2020 , 10, 34732-34737	18
49	Controlling the Reaction Networks for Efficient Conversion of Glucose into 5-Hydroxymethylfurfural. 2020 , 13, 4812-4832	26
48	Structural Insights of Humins/Epoxidized Linseed Oil/ Hardener Terpolymerization. 2020, 12,	8
47	Levulinic acid production through two-step acidic and thermal treatment of food waste using dilute hydrochloric acid. 2020 , 37, 1149-1156	9
46	Conversion of Xylose to Furfural over Lignin-Based Activated Carbon-Supported Iron Catalysts. 2020 , 10, 821	3
45	Influence of the ammonium salts used in the Brāsted acid catalyzed hydrothermal decomposition of D-glucose towards 5-HMF. 2020 , 44, 4171-4176	1

44	Production of EValerolactone from One-Pot Transformation of Biomass-Derived Carbohydrates Over Chitosan-Supported Ruthenium Catalyst Combined with Zeolite ZSM-5. 2020 , 2020, 1611-1619	14
43	Kinetic investigation of dilute acid hydrolysis of hardwood pulp for microcrystalline cellulose production. 2020 , 488, 107910	7
42	Indoor heterogeneous photochemistry of furfural drives emissions of nitrous acid. 2021 , 31, 682-692	1
41	Novel One-Step Process for the Production of Levulinic Acid from Furfural over Hierarchical Zeolites in a Microwave Reactor. 2021 , 5, 2000205	O
40	Characterization and Valorization of Humins Produced by HMF Degradation in Ionic Liquids: A Valuable Carbonaceous Material for Antimony Removal. 2021 , 9, 2212-2223	13
39	The effect of augmentation of biochar and hydrochar in anaerobic digestion of a model substrate. 2021 , 321, 124494	11
38	A Novel Kinetic Modeling Framework for the Polycondensation of Sugars Using Monte Carlo and the Method of Moments. 2021 , 9, 745	1
37	From useless humins by-product to Nb@graphite-like carbon catalysts highly efficient in HMF synthesis. 2021 , 618, 118130	5
36	Conversion of Xylose to Furfural Catalyzed by Carbon-Based Solid Acid Prepared from Pectin. 2021 , 35, 9961-9969	7
35	Influence of Reaction Conditions on Hydrothermal Carbonization of Fructose. 2021 , 14, 5271-5282	2
34	Improved one-pot synthesis of furfural from corn stalk with heterogeneous catalysis using corn stalk as biobased carrier in deep eutectic solvent-water system. 2021 , 340, 125691	9
33	Recent advances in the electrocatalytic synthesis of 2,5-furandicarboxylic acid from 5-(hydroxymethyl)furfural. 2021 , 9, 20164-20183	9
32	Acid sites modulation of siliceous-based mesoporous material by post synthesis methods. 2021 , 328, 111459	1
31	Thermal and IR-Fourier transform spectroscopic study of water-soluble carbohydrate-arylamine condensation products in heutral media. 2019 , 81, 213-216	
30	Formation of humic substances in the reaction of D-glucose with p-toluidine in anhydrous ethanol. 2020 , 10, 188-195	1
29	STRUCTURAL-GROUP COMPOSITION AND GROWTH-REGULATING ACTIVITY OF D-GLUCOSEM-AMINODENZOIC ACID CONDENSATION PRODUCTS. 2020 , 263-269	
28	CuZSM-5@HMS composite as an efficient micro-mesoporous catalyst for conversion of sugars into levulinic acid. 2021 ,	3
27	Reactive and Mechanistic Insights into the Acid-Catalyzed Conversion of Concentrated C5/C6 Sugars in Ethylene Glycol. 2022 , 10, 1920-1931	1

26	Aluminum/Tin-doped UiO-66 as Lewis acid catalysts for enhanced glucose isomerization to fructose. 2022 , 632, 118501	O
25	Levulinic acid production from furfural: process development and techno-economics.	О
24	Elucidating the thermal decomposition mechanism and pyrolysis characteristics of biorefinery-derived humins from sugarcane bagasse and rice husk. 1	О
23	Protection Strategies for the Conversion of Biobased Furanics to Chemical Building Blocks. 2022 , 10, 3116-3130	3
22	Identification of Crucial Intermediates in the Formation of Humins from Cellulose-Derived Platform Chemicals Under Bristed Acid Catalyzed Reaction Conditions 2022 ,	1
21	Advances in understanding the humins: Formation , prevention and application. 2022, 10, 100062	O
20	Hybridization of Synthetic Humins with a Metal-Organic Framework for Precious Metal Recovery and Reuse 2021 , 13, 60027-60034	8
19	Advanced Kinetic-Based Approach of Multistep Processes: The Case of the Pyrolysis of Biomass-Derived Humins.	
18	Humic Substances Derived From Biomass Waste During Aerobic Composting and Hydrothermal Treatment: A Review. 2022 , 10,	О
17	Evolution Process of Humins Derived from Glucose. 2022 , 7,	2
16	Balanced acidity by microwave-assisted ion-exchange of ZSM-5 zeolite as a catalyst for transformation of glucose to levulinic acid.	1
15	Advanced kinetic-based approach of multistep processes: The case of the pyrolysis of biomass-derived humins. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022 , 166, 105605	
14	Hydrothermal carbonization of glucose: Secondary char properties, reaction pathways, and kinetics. Chemical Engineering Journal, 2022 , 449, 137827	7 2
13	Kinetic and Mechanistic Aspects of Furfural Degradation in Biorefineries.	O
12	Aqueous conversion of monosaccharides to furans: were we wrong all along to use catalysts?. 2022 , 24, 8523-8537	О
11	Catalytic Hydrotreatment of Humins Waste over Bifunctional Pd-Based Zeolite Catalysts. 2022 , 12, 1202	O
10	A comprehensive review on biomass humification: Recent advances in pathways, challenges, new applications, and perspectives. 2022 , 170, 112984	1
9	Mechanistic Investigation into the Formation of Humins in Acid-Catalyzed Biomass Reactions. 2022 , 7, 44786-44795	O

8	Efficient and safe conversion of 5-hydroxymethylfurfural to 5-hydroxymethyl-2-furancarbonitrile with hydroxylamine zinc chloride salt. 2023 , 542, 113121	0
7	Unwanted Humins-Promising Precursors for Ordered Mesoporous Carbons. 2023 , 11, 3832-3840	O
6	Investigation of the Formation, Characterization, and Oxidative Catalytic Valorization of Humins. 2023 , 16, 2864	0
5	Structure and Formation Mechanism of Xylose-Derived Humins. 2023, 57-72	O
4	Structure and Formation Mechanism of Furfural-Derived Humins. 2023, 23-31	0
3	Analytical Methods for Humins Characterization. 2023 , 101-130	O
2	Structure and Formation Mechanism of 5-Hydroxymethylfurfural (HMF)-Derived Humins. 2023, 7-21	0
1	Structure and Formation Mechanism of Glucose-Derived Humins. 2023, 33-55	O