Juha Ahola

List of Publications by Year
in descending order

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23 papers	663 citations	567281 15 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	927 citing authors

#	Article	IF	Citations
1	Aqueous phase reforming of birch and pine hemicellulose hydrolysates. Bioresource Technology, 2022, 348, 126809.	9.6	7
2	Liquidâ€"Liquid Equilibria for the <i>n</i>-Pentyl acetate, <i>n</i>-Hexyl acetate, <i>n</i>-Pentanol, or <i>n</i>-Hexanol + Furfural + Water Systems at 298 and 323 K. Journal of Chemical & Engineering Data, 2021, 66, 210-221.	1.9	2
3	Effect of Process Variables on the Solvolysis Depolymerization of Pine Kraft Lignin. Waste and Biomass Valorization, 2020, 11, 3195-3206.	3.4	9
4	A Simulation Case Study for Bio-based Hydrogen Production from Hardwood Hemicellulose. Computer Aided Chemical Engineering, 2020, 48, 1735-1740.	0.5	0
5	Comparison of Lignin Fractions Isolated from Wheat Straw Using Alkaline and Acidic Deep Eutectic Solvents. Journal of Agricultural and Food Chemistry, 2020, 68, 15074-15084.	5.2	36
6	Solubility and fractionation of Indulin AT kraft lignin in ethanol-water media. Separation and Purification Technology, 2019, 209, 826-832.	7.9	44
7	Production of levulinic acid from glucose in sulfolane/water mixtures. Chemical Engineering Research and Design, 2019, 148, 291-297.	5.6	25
8	Formic acid aided hot water extraction of hemicellulose from European silver birch (Betula pendula) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.6	32
9	A New Homotopy-Based Strategy for the Robust Determination of All the Feasible Solutions for CSTR Systems. Periodica Polytechnica: Chemical Engineering, 2016, 60, 8-23.	1.1	2
10	Phosphonated nanocelluloses from sequential oxidativeâ€"reductive treatmentâ€"Physicochemical characteristics and thermal properties. Carbohydrate Polymers, 2015, 133, 524-532.	10.2	46
11	Acid-catalysed xylose dehydration into furfural in the presence of kraft lignin. Bioresource Technology, 2015, 177, 94-101.	9.6	28
12	Kinetics of Formic Acid-catalyzed Cellulose Hydrolysis. BioResources, 2014, 9, .	1.0	18
13	Distinct Effect of Formic and Sulfuric Acids on Cellulose Hydrolysis at High Temperature. Industrial & Engineering Chemistry Research, 2012, 51, 3295-3300.	3.7	33
14	Kinetics of Xylose Dehydration into Furfural in Formic Acid. Industrial & Engineering Chemistry Research, 2012, 51, 6297-6303.	3.7	73
15	Hydrolysis of organosolv wheat pulp in formic acid at high temperature for glucose production. Bioresource Technology, 2012, 116, 29-35.	9.6	31
16	Kinetics of glucose decomposition in formic acid. Chemical Engineering Research and Design, 2011, 89, 2706-2713.	5.6	59
17	Comparison of Formic and Sulfuric Acids as a Glucose Decomposition Catalyst. Industrial & Engineering Chemistry Research, 2010, 49, 8444-8449.	3.7	28
18	Reaction Mechanism and Microkinetic Model for the Binary Catalyst Combination of In/ZSM-5 and Pt/Al2O3 for NOx Reduction by Methane under Lean Conditions. Industrial & Engineering Chemistry Research, 2007, 46, 2715-2725.	3.7	10

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19	Reaction mechanism and kinetics of NOx reduction by methane on In/ZSM-5 under lean conditions. Applied Catalysis B: Environmental, 2006, 64, 13-24.	20.2	47
20	Integration of in Situ FTIR Studies and Catalyst Activity Measurements in Reaction Kinetic Analysis. Industrial & Engineering Chemistry Research, 2003, 42, 2756-2766.	3.7	5
21	Reaction mechanism and kinetics of NOx reduction by propene on CoOx/alumina catalysts in lean conditions. Applied Catalysis B: Environmental, 2000, 26, 173-192.	20.2	82
22	Investigation of CO oxidation and NO reduction on three-way monolith catalysts with transient response techniques. Applied Catalysis B: Environmental, 1997, 12, 287-308.	20.2	30
23	Determination of Phenolic Hydroxyl Groups in Technical Lignins by Ionization Difference Ultraviolet Spectrophotometry (âˆ†Îµ-IDUS method). Periodica Polytechnica: Chemical Engineering, 0, , .	1.1	16