Eric Husson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11236852/publications.pdf

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22	740	430874	677142
papers	citations	18 h-index	22 g-index

23	23	23	900
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low temperature ionic liquid pretreatment of lignocellulosic biomass to enhance bioethanol yield. Renewable Energy, 2020, 145, 1808-1816.	8.9	113
2	Enzymatic saccharification and structural properties of industrial wood sawdust: Recycled ionic liquids pretreatments. Energy Conversion and Management, 2014, 88, 1094-1103.	9.2	65
3	Mild pretreatment and enzymatic saccharification of cellulose with recycled ionic liquids towards one-batch process. Carbohydrate Polymers, 2012, 90, 805-813.	10.2	57
4	Enzymatic hydrolysis of ionic liquid-pretreated celluloses: Contribution of CP-MAS 13C NMR and SEM. Bioresource Technology, 2011, 102, 7335-7342.	9.6	56
5	Impact of two ionic liquids, 1-ethyl-3-methylimidazolium acetate and 1-ethyl-3-methylimidazolium methylphosphonate, on Saccharomyces cerevisiae: metabolic, physiologic, and morphological investigations. Biotechnology for Biofuels, 2015, 8, 17.	6.2	48
6	Sequential and simultaneous strategies for biorefining of wheat straw using room temperature ionic liquids, xylanases and cellulases. Bioresource Technology, 2018, 251, 280-287.	9.6	39
7	Straightforward extraction and selective bioconversion of high purity chitin from Bombyx eri larva: Toward an integrated insect biorefinery. Carbohydrate Polymers, 2020, 228, 115382.	10.2	38
8	Use of an electrodialytic reactor for the simultaneous Î²-lactoglobulin enzymatic hydrolysis and fractionation of generated bioactive peptides. Food Chemistry, 2013, 136, 1193-1202.	8.2	33
9	Efficient enzymatic saccharification of Miscanthus: Energy-saving by combining dilute acid and ionic liquid pretreatments. Biomass and Bioenergy, 2014, 62, 82-92.	5.7	32
10	Simultaneous pretreatment and enzymatic saccharification of (ligno) celluloses in aqueous-ionic liquid media: A compromise. Biochemical Engineering Journal, 2017, 117, 77-86.	3.6	29
11	Chemo-selectivity of the N,O-enzymatic acylation in organic media and in ionic liquids. Journal of Molecular Catalysis B: Enzymatic, 2008, 55, 110-117.	1.8	26
12	Enzymatic acylation of the polar dipeptide, carnosine: Reaction performances in organic and aqueous media. Process Biochemistry, 2011, 46, 945-952.	3.7	26
13	New biobased-zwitterionic ionic liquids: efficiency and biocompatibility for the development of sustainable biorefinery processes. Green Chemistry, 2020, 22, 2935-2946.	9.0	26
14	Selective anthocyanins enrichment of cranberry juice by electrodialysis with ultrafiltration membranes stacked. Innovative Food Science and Emerging Technologies, 2013, 17, 153-162.	5.6	23
15	Acidic Ionic Liquid as Both Solvent and Catalyst for Fast Chemical Esterification of Industrial Lignins: Performances and Regioselectivity. Frontiers in Chemistry, 2019, 7, 578.	3.6	21
16	Enzymatic Transesterification of Kraft Lignin with Long Acyl Chains in Ionic Liquids. Molecules, 2015, 20, 16334-16353.	3.8	20
17	Kluyveromyces marxianus, an Attractive Yeast for Ethanolic Fermentation in the Presence of Imidazolium Ionic Liquids. International Journal of Molecular Sciences, 2018, 19, 887.	4.1	20
18	Selective anthocyanins enrichment of cranberry juice by electrodialysis with filtration membrane: Influence of membranes characteristics. Journal of Membrane Science, 2013, 448, 114-124.	8.2	19

#	Article	IF	Citations
19	Enzymatic acylation of polar dipeptides: Influence of reaction media and molecular environment of functional groups. Process Biochemistry, 2009, 44, 428-434.	3.7	16
20	Wheat Bran Pretreatment by Room Temperature Ionic Liquid-Water Mixture: Optimization of Process Conditions by PLS-Surface Response Design. Frontiers in Chemistry, 2019, 7, 585.	3.6	15
21	Enzymatic acylation of a bifunctional molecule in 2-methyl-2-butanol: Kinetic modelling. Enzyme and Microbial Technology, 2010, 46, 338-346.	3.2	10
22	Improving the environmental compatibility of enzymatic synthesis of sugar-based surfactants using green reaction media. Process Biochemistry, 2022, 117, 30-41.	3.7	7