

Arno P Parviainen

List of Publications by Year in descending order

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papers

550
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759233

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15
times ranked

808
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting Cellulose Solvating Capabilities of Acid-Base Conjugate Ionic Liquids. <i>ChemSusChem</i> , 2013, 6, 2161-2169.	6.8	121
2	Relative and inherent reactivities of imidazolium-based ionic liquids: the implications for lignocellulose processing applications. <i>RSC Advances</i> , 2012, 2, 8020.	3.6	72
3	Sustainability of cellulose dissolution and regeneration in 1,5-diazabicyclo[4.3.0]non-5-enium acetate: a batch simulation of the IONCELL-F process. <i>RSC Advances</i> , 2015, 5, 69728-69737.	3.6	60
4	Ionic Liquids for the Production of Man-Made Cellulosic Fibers: Opportunities and Challenges. <i>Advances in Polymer Science</i> , 2015, , 133-168.	0.8	58
5	Dissolution enthalpies of cellulose in ionic liquids. <i>Carbohydrate Polymers</i> , 2014, 113, 67-76.	10.2	36
6	Efficiency of hydrophobic phosphonium ionic liquids and DMSO as recyclable cellulose dissolution and regeneration media. <i>RSC Advances</i> , 2017, 7, 17451-17461.	3.6	36
7	On the solubility of wood in non-derivatising ionic liquids. <i>Green Chemistry</i> , 2013, 15, 2374.	9.0	35
8	Cellulose hydrolysis with thermo- and alkali-tolerant cellulases in cellulose-dissolving superbase ionic liquids. <i>RSC Advances</i> , 2013, 3, 20001.	3.6	26
9	Application of mild autohydrolysis to facilitate the dissolution of wood chips in direct-dissolution solvents. <i>Green Chemistry</i> , 2016, 18, 3286-3294.	9.0	26
10	Iron-Catalysed Selective Aerobic Oxidation of Alcohols to Carbonyl and Carboxylic Compounds. <i>ChemPlusChem</i> , 2016, 81, 1160-1165.	2.8	22
11	Selective Aerobic Oxidation of Alcohols with NO ₃ [•] Activated Nitroxyl Radical/Manganese Catalyst System. <i>ChemCatChem</i> , 2018, 10, 2908-2914.	3.7	20
12	Practical Aerobic Oxidation of Alcohols: A Ligand-Enhanced 2,2,6,6-Tetramethylpiperidine-1-oxyl/Manganese Nitrate Catalyst System. <i>ChemCatChem</i> , 2017, 9, 3880-3887.	3.7	17
13	Inhibition of hyperthermostable xylanases by superbase ionic liquids. <i>Process Biochemistry</i> , 2020, 95, 148-156.	3.7	10
14	Transition metal triflate catalyzed conversion of alcohols, ethers and esters to olefins. <i>RSC Advances</i> , 2018, 8, 15111-15118.	3.6	8
15	Screening of glycoside hydrolases and ionic liquids for fibre modification. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 818-826.	3.2	3