

Jari Heinonen

List of Publications by Year in descending order

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31
papers

630
citations

567144

15
h-index

580701

25
g-index

31
all docs

31
docs citations

31
times ranked

713
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorptive removal of fermentation inhibitors from concentrated acid hydrolyzates of lignocellulosic biomass. <i>Bioresource Technology</i> , 2011, 102, 6048-6057.	4.8	76
2	Extraction and purification of anthocyanins from purple-fleshed potato. <i>Food and Bioproducts Processing</i> , 2016, 99, 136-146.	1.8	53
3	Anthocyanin-rich extract from purple potatoes decreases postprandial glycemic response and affects inflammation markers in healthy men. <i>Food Chemistry</i> , 2020, 310, 125797.	4.2	43
4	Chromatographic Recovery of Monosaccharides for the Production of Bioethanol from Wood. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 2907-2915.	1.8	40
5	Selective recovery of germanium with N-methylglucamine functional resin from sulfate solutions. <i>Separation and Purification Technology</i> , 2013, 104, 193-199.	3.9	40
6	Ethanol production from wood via concentrated acid hydrolysis, chromatographic separation, and fermentation. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 689-696.	1.6	38
7	Purification process for recovering hydroxy acids from soda black liquor. <i>Chemical Engineering Research and Design</i> , 2013, 91, 2765-2774.	2.7	34
8	Effects of Anthocyanin Extracts from Bilberry (<i>Vaccinium myrtillus</i> L.) and Purple Potato (<i>Solanum tuberosum</i> L. var. "Synke" Sakari™) on the Plasma Metabolomic Profile of Zucker Diabetic Fatty Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9436-9450.	2.4	33
9	Modeling of chromatographic separation of concentrated-acid hydrolysates. <i>Separation and Purification Technology</i> , 2011, 80, 610-619.	3.9	25
10	Separation and recovery of lignin from hydrolysates of lignocellulose with a polymeric adsorbent. <i>Separation and Purification Technology</i> , 2017, 186, 125-134.	3.9	22
11	Use of Adsorbed Solution theory to model competitive and co-operative sorption on elastic ion exchange resins. <i>Separation and Purification Technology</i> , 2012, 95, 235-247.	3.9	21
12	Modelling and performance evaluation of chromatographic monosaccharide recovery from concentrated acid lignocellulosic hydrolysates. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1676-1686.	1.6	20
13	Sensory profile of ethyl ̢-D-glucopyranoside and its contribution to quality of sea buckthorn (<i>Hippophae rhamnoides</i> L.). <i>Food Chemistry</i> , 2017, 233, 263-272.	4.2	19
14	Chromatographic recovery and purification of natural phytochemicals from underappreciated willow bark water extracts. <i>Separation and Purification Technology</i> , 2021, 261, 118247.	3.9	19
15	Electrolyte exclusion chromatography using a multi-column recycling process: Fractionation of concentrated acid lignocellulosic hydrolysate. <i>Separation and Purification Technology</i> , 2014, 129, 137-149.	3.9	18
16	A process combination of ion exchange and electrodialysis for the recovery and purification of hydroxy acids from secondary sources. <i>Separation and Purification Technology</i> , 2020, 240, 116642.	3.9	15
17	Novel chromatographic process for the recovery and purification of hydroxy acids from alkaline spent pulping liquors. <i>Chemical Engineering Science</i> , 2019, 197, 87-97.	1.9	13
18	Evolutionary multi-objective optimization based comparison of multi-column chromatographic separation processes for a ternary separation. <i>Journal of Chromatography A</i> , 2014, 1358, 181-191.	1.8	12

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19	Chromatographic separation of ethyl- β -D-glucopyranoside and D-glucose with steady-state recycling chromatography. Separation and Purification Technology, 2016, 169, 262-272.	3.9	12
20	Effect of separation material particle size on pressure drop and process efficiency in continuous chromatographic separation of glucose and fructose. Separation and Purification Technology, 2018, 193, 317-326.	3.9	12
21	Size-exclusion chromatographic separation of hydroxy acids and sodium hydroxide in spent pulping liquor. Separation and Purification Technology, 2013, 118, 234-241.	3.9	11
22	Acid hydrolysis of glycosidic bonds in oat β -glucan and development of a structured kinetic model. AIChE Journal, 2018, 64, 2570-2580.	1.8	10
23	Chromatographic fractionation of complex mixtures of hydroxy carboxylic acids. Separation and Purification Technology, 2019, 221, 349-362.	3.9	8
24	Evolution of the molar mass distribution of oat β -glucan during acid catalyzed hydrolysis in aqueous solution. Chemical Engineering Journal, 2020, 382, 122863.	6.6	8
25	Chromatographic fractionation of a ternary mixture with an SMB cascade process: The effect of ion exchange resin cross-linkage on separation efficiency. Separation and Purification Technology, 2018, 206, 286-296.	3.9	6
26	Steady-state recycling chromatography in the purification of weakly acidic lignocellulosic hydrolysates. Separation and Purification Technology, 2019, 210, 670-681.	3.9	6
27	Chromatographic Recovery of Monosaccharides and Lignin from Lignocellulosic Hydrolysates. Chemical Engineering and Technology, 2018, 41, 2402-2410.	0.9	5
28	Chromatographic Fractionation of Lignocellulosic Hydrolysates. Advances in Chemical Engineering, 2013, 42, 261-349.	0.5	4
29	Modelling of chromatographic carboxylic acid fractionation with a strong anion exchange resin in sulfate form. Separation and Purification Technology, 2022, 285, 120320.	3.9	3
30	Performance evaluation of a recycle-integrated process for the production and purification of monosaccharides from lignocellulosic biomass. Separation and Purification Technology, 2015, 156, 561-571.	3.9	2
31	Chromatographic purification of enzymatically synthesized alkyl glucopyranosides. Journal of Chemical Technology and Biotechnology, 2016, 91, 2419-2431.	1.6	2