

Tom Birger Granström

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,172
citations

236925

25
h-index

223800

46
g-index

48
all docs

48
docs citations

48
times ranked

1895
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing agents assisted fed-batch fermentation to enhance ABE yields. <i>Energy Conversion and Management</i> , 2021, 227, 113627.	9.2	18
2	Efficient Strategy to Alleviate the Inhibitory Effect of Lignin-Derived Compounds for Enhanced Butanol Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1172-1179.	6.7	9
3	Effect of enzymatic high temperature prehydrolysis on the subsequent cellulose hydrolysis of steam-pretreated spruce in high solids concentration. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1844-1852.	3.2	13
4	Acetone-butanol-ethanol (ABE) fermentation using the root hydrolysate after extraction of forskolin from <i>Coleus forskohlii</i> . <i>Renewable Energy</i> , 2016, 86, 594-601.	8.9	20
5	Interaction of carbohydrates with alcohol dehydrogenase: Effect on enzyme activity. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 252-256.	2.2	8
6	Biobutanol from Lignocellulosic Wastes. <i>Biofuel and Biorefinery Technologies</i> , 2015, , 289-324.	0.3	6
7	Genetic engineering of <i>Clostridium acetobutylicum</i> to enhance isopropanol-butanol-ethanol production with an integrated DNA-technology approach. <i>Renewable Energy</i> , 2015, 83, 1076-1083.	8.9	28
8	Continuous lignocellulosic ethanol production using <i>Coleus forskohlii</i> root hydrolysate. <i>Fuel</i> , 2014, 126, 77-84.	6.4	15
9	Enhanced stability of alcohol dehydrogenase by non-covalent interaction with polysaccharides. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6307-6316.	3.6	27
10	Thermal behaviour and tolerance to ionic liquid [emim]OAc in GH10 xylanase from <i>Thermoascus aurantiacus</i> SL16W. <i>Extremophiles</i> , 2014, 18, 1023-1034.	2.3	23
11	Enhanced isopropanol-butanol-ethanol (IBE) production in immobilized column reactor using modified <i>Clostridium acetobutylicum</i> DSM792. <i>Fuel</i> , 2014, 136, 226-232.	6.4	38
12	A green process for the production of butanol from butyraldehyde using alcohol dehydrogenase: process details. <i>RSC Advances</i> , 2014, 4, 14597.	3.6	7
13	Oil palm empty fruit bunch to biofuels and chemicals via SO ₂ -ethanol-water fractionation and ABE fermentation. <i>Bioresource Technology</i> , 2013, 147, 102-109.	9.6	19
14	Biobutanol: the outlook of an academic and industrialist. <i>RSC Advances</i> , 2013, 3, 24734.	3.6	153
15	Wood pulp as an immobilization matrix for the continuous production of isopropanol and butanol. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 209-215.	3.0	38
16	Wheat flour based propionic acid fermentation: An economic approach. <i>Bioresource Technology</i> , 2013, 129, 694-699.	9.6	23
17	The two stage immobilized column reactor with an integrated solvent recovery module for enhanced ABE production. <i>Bioresource Technology</i> , 2013, 140, 269-276.	9.6	41
18	Impact of varying lignocellulosic sugars on continuous solvent production in an immobilized column reactor. <i>Bioresource Technology</i> , 2013, 147, 299-306.	9.6	4

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19	Market refused vegetables as a supplement for improved acetoneâ€“butanolâ€“ethanol production by <i>Clostridium acetobutylicum</i> DSM 792. <i>Industrial Crops and Products</i> , 2013, 45, 349-354.	5.2	15
20	Microbial production of xylitol and other polyols. , 2013, , 469-493.		0
21	Evaluation of Carbon and Electron Flow in <i>Lactobacillus brevis</i> as a Potential Host for Heterologous 1-Butanol Biosynthesis. <i>Advances in Microbiology</i> , 2013, 03, 450-461.	0.6	3
22	Butanol production from lignocellulosics. <i>Biotechnology Letters</i> , 2012, 34, 1415-1434.	2.2	98
23	Continuous two stage acetoneâ€“butanolâ€“ethanol fermentation with integrated solvent removal using <i>Clostridium acetobutylicum</i> B 5313. <i>Bioresource Technology</i> , 2012, 106, 110-116.	9.6	113
24	Continuous bio-catalytic conversion of sugar mixture to acetoneâ€“butanolâ€“ethanol by immobilized <i>Clostridium acetobutylicum</i> DSM 792. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2309-2316.	3.6	72
25	Semi-bleached paper and fermentation products from a larch biorefinery. <i>Tappi Journal</i> , 2012, 11, 31-39.	0.5	2
26	Continuous acetoneâ€“butanolâ€“ethanol fermentation using SO ₂ â€“ethanolâ€“water spent liquor from spruce. <i>Bioresource Technology</i> , 2011, 102, 10996-11002.	9.6	62
27	Continuous production of isopropanol and butanol using <i>Clostridium beijerinckii</i> DSM 6423. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1305-1313.	3.6	89
28	Conditioning of SO ₂ -ethanol-water spent liquor from spruce for the production of chemicals by ABE fermentation. <i>Holzforschung</i> , 2011, 65, .	1.9	22
29	Production of Glucose by Starch and Cellulose Acid Hydrolysis and its Use as a Fuel in Low-Temperature Direct-Mode Fuel Cells. <i>Materials Science Forum</i> , 2010, 638-642, 1164-1169.	0.3	11
30	Biotechnological production of l-ribose from l-arabinose. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 77-83.	3.6	40
31	Production of l-xylulose from xylitol by a newly isolated strain of <i>Bacillus pallidus</i> Y25 and characterization of its relevant enzyme xylitol dehydrogenase. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1206-1212.	3.2	35
32	A rare sugar xylitol. Part II: biotechnological production and future applications of xylitol. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 273-276.	3.6	177
33	A rare sugar xylitol. Part I: the biochemistry and biosynthesis of xylitol. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 277-281.	3.6	124
34	Cloning, sequencing, overexpression and characterization of l-rhamnose isomerase from <i>Bacillus pallidus</i> Y25 for rare sugar production. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 1297-1307.	3.6	44
35	Efficient biosynthesis of d-allose from d-psicose by cross-linked recombinant l-rhamnose isomerase: Separation of product by ethanol crystallization. <i>Journal of Bioscience and Bioengineering</i> , 2006, 101, 340-345.	2.2	62
36	Large scale production of d-allose from d-psicose using continuous bioreactor and separation system. <i>Enzyme and Microbial Technology</i> , 2006, 38, 855-859.	3.2	44

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37	Novel substrate specificity of d-arabinose isomerase from <i>Klebsiella pneumoniae</i> and its application to production of d-altrose from d-psicose. <i>Journal of Bioscience and Bioengineering</i> , 2006, 102, 436-441.	2.2	46
38	l-Xylose and l-lyxose production from xylitol using <i>Alcaligenes 701B</i> strain and immobilized l-rhamnose isomerase enzyme. <i>Enzyme and Microbial Technology</i> , 2005, 36, 976-981.	3.2	27
39	lzumoring. <i>Journal of Bioscience and Bioengineering</i> , 2004, 97, 89-94.	2.2	309
40	A novel enzymatic approach to the massproduction of L-galactose from L-sorbose. <i>Journal of Bioscience and Bioengineering</i> , 2004, 97, 383-388.	2.2	34
41	Growth characteristics and oxidative capacity of <i>Acetobacter aceti</i> IFO 3281: implications for l-ribulose production. <i>Applied Microbiology and Biotechnology</i> , 2004, 63, 584-591.	3.6	25
42	Novel reactions of l-rhamnose isomerase from <i>Pseudomonas stutzeri</i> and its relation with d-xylose isomerase via substrate specificity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2004, 1674, 68-77.	2.4	73
43	Metabolic Flux Analysis of <i>Candida tropicalis</i> Growing on Xylose in an Oxygen-Limited Chemostat. <i>Metabolic Engineering</i> , 2002, 4, 248-256.	7.0	31
44	Controlled transient changes reveal differences in metabolite production in two <i>Candida</i> yeasts. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 511-516.	3.6	27
45	<i>Candida guilliermondii</i> grows on rare pentoses – implications for production of pure xylitol. <i>Biotechnology Letters</i> , 2002, 24, 507-510.	2.2	9
46	Biodegradation of VOCs from printing press air by an on-site pilot plant bioscrubber and laboratory scale continuous yeast cultures. <i>Biodegradation</i> , 2002, 13, 155-162.	3.0	16
47	Chemostat study of xylitol production by <i>Candida guilliermondii</i> . <i>Applied Microbiology and Biotechnology</i> , 2001, 55, 36-42.	3.6	48
48	Growth characteristics and metabolic flux analysis of <i>Candida milleri</i> . <i>Biotechnology and Bioengineering</i> , 2000, 70, 197-207.	3.3	24