Chelladurai Rathnasingh

List of Publications by Year
in descending order

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17	1,023	567144 15	887953 17
papers	citations	h-index	g-index

17	17	17	794
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Production of 3-hydroxypropionic acid via malonyl-CoA pathway using recombinant Escherichia coli strains. Journal of Biotechnology, 2012, 157, 633-640.	1.9	146
2	Production of 3-hydroxypropionic acid from glycerol by a novel recombinant Escherichia coli BL21 strain. Process Biochemistry, 2008, 43, 1440-1446.	1.8	135
3	Development and evaluation of efficient recombinant Escherichia coli strains for the production of 3â€hydroxypropionic acid from glycerol. Biotechnology and Bioengineering, 2009, 104, 729-739.	1.7	130
4	Development of recombinant Klebsiella pneumoniae âˆ†dhaT strain for the co-production of 3-hydroxypropionic acid and 1,3-propanediol from glycerol. Applied Microbiology and Biotechnology, 2011, 90, 1253-1265.	1.7	110
5	Cloning, expression, and characterization of an aldehyde dehydrogenase from Escherichia coli K-12 that utilizes 3-Hydroxypropionaldehyde as a substrate. Applied Microbiology and Biotechnology, 2008, 81, 51-60.	1.7	108
6	Effect of process parameters on 3-hydroxypropionic acid production from glycerol using a recombinant Escherichia coli. Applied Microbiology and Biotechnology, 2009, 84, 649-657.	1.7	59
7	Metabolic engineering of a novel Klebsiella oxytoca strain for enhanced 2,3-butanediol production. Journal of Bioscience and Bioengineering, 2013, 116, 186-192.	1.1	53
8	Production of 3â€hydroxypropionic acid from glycerol by recombinant Pseudomonas denitrificans. Biotechnology and Bioengineering, 2013, 110, 3177-3187.	1.7	49
9	A Novel NAD+-dependent aldehyde dehydrogenase encoded by the puuC gene of Klebsiella pneumoniae DSM 2026 that utilizes 3-hydroxypropionaldehyde as a substrate. Biotechnology and Bioprocess Engineering, 2010, 15, 131-138.	1.4	48
10	Isolation and characterization of the new Klebsiella pneumoniae J2B strain showing improved growth characteristics with reduced lipopolysaccharide formation. Biotechnology and Bioprocess Engineering, 2011, 16, 1134-1143.	1.4	33
11	Fermentation and evaluation of Klebsiella pneumoniae and K. oxytoca on the production of 2,3-butanediol. Bioprocess and Biosystems Engineering, 2012, 35, 1081-1088.	1.7	33
12	Effects of mutation of 2,3-butanediol formation pathway on glycerol metabolism and 1,3-propanediol production by Klebsiella pneumoniae J2B. Bioresource Technology, 2016, 214, 432-440.	4.8	31
13	Enhanced production of (R,R)-2,3-butanediol by metabolically engineered Klebsiella oxytoca. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1419-1425.	1.4	26
14	Identification of acetoin reductases involved in 2,3-butanediol pathway in Klebsiella oxytoca. Journal of Biotechnology, 2014, 172, 59-66.	1.9	21
15	Metabolic engineering of Klebsiella pneumoniae based on in silico analysis and its pilot-scale application for 1,3-propanediol and 2,3-butanediol co-production. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 431-441.	1.4	18
16	Metabolic engineering of Klebsiella pneumoniae and in silico investigation for enhanced 2,3-butanediol production. Biotechnology Letters, 2016, 38, 975-982.	1.1	13
17	Isolation of a novel Pseudomonas species SP2 producing vitamin B12 under aerobic condition. Biotechnology and Bioprocess Engineering, 2013, 18, 43-51.	1.4	10