

Chelladurai Rathnasingh

List of Publications by Year in descending order

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17
papers

1,023
citations

567144

15
h-index

887953

17
g-index

17
all docs

17
docs citations

17
times ranked

794
citing authors

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