

Balaji Sundara Sekar

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

338
citations

759055

12
h-index

940416

16
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20
all docs

20
docs citations

20
times ranked

378
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioproduction of Natural Phenethyl Acetate, Phenylacetic Acid, Ethyl Phenylacetate, and Phenethyl Phenylacetate from Renewable Feedstock. <i>ChemSusChem</i> , 2022, 15, .	3.6	11
2	Production of fine chemicals from renewable feedstocks through the engineering of artificial enzyme cascades. , 2022, , 261-279.		0
3	Bioproduction of Enantiopure (<i>R</i>)- and (<i>S</i>)-Phenylglycinols from Styrenes and Renewable Feedstocks. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1892-1903.	2.1	16
4	Recent advances in artificial enzyme cascades for the production of value-added chemicals. <i>Bioresource Technology</i> , 2021, 323, 124551.	4.8	38
5	Production of (R)-mandelic acid from styrene, L-phenylalanine, glycerol, or glucose via cascade biotransformations. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	2.0	14
6	Benzoic acid production via cascade biotransformation and coupled fermentationâ€”biotransformation. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2340-2350.	1.7	21
7	Whole Cellâ€”Based Cascade Biotransformation for the Production of (<i>S</i>)-Mandelic Acid from Styrene, (<i>L</i>)-Phenylalanine, Glucose, or Glycerol. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3560-3568.	2.1	26
8	Co-production of hydrogen and ethanol from glucose in <i>Escherichia coli</i> by activation of pentose-phosphate pathway through deletion of phosphoglucose isomerase (<i>pgi</i>) and overexpression of glucose-6-phosphate dehydrogenase (<i>zwf</i>) and 6-phosphogluconate dehydrogenase (<i>gnd</i>). <i>Biotechnology for Biofuels</i> , 2017, 10, 85.	6.2	34
9	Metabolic engineering of <i>Klebsiella pneumoniae</i> J2B for co-production of 3-hydroxypropionic acid and 1,3-propanediol from glycerol: Reduction of acetate and other by-products. <i>Bioresource Technology</i> , 2017, 244, 1096-1103.	4.8	41
10	Improvement of 1,3-propanediol oxidoreductase (DhaT) stability against 3-hydroxypropionaldehyde by substitution of cysteine residues. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 695-703.	1.4	8
11	Co-production of hydrogen and ethanol by <i>pfkA</i> -deficient <i>Escherichia coli</i> with activated pentose-phosphate pathway: reduction of pyruvate accumulation. <i>Biotechnology for Biofuels</i> , 2016, 9, 95.	6.2	20
12	Coâ€”production of hydrogen and ethanol from glucose by modification of glycolytic pathways in (<i>Escherichia coli</i>)â€” from Embdenâ€”Meyerhofâ€”Parnas pathway to pentose phosphate pathway. <i>Biotechnology Journal</i> , 2016, 11, 249-256.	1.8	31
13	Evaluation of Newly Isolated <i>Klebsiella pneumoniae</i> Strains for the Co-Production of 3-hydroxypropionic acid and 1,3-propanediol from Glycerol. <i>KSBB Journal</i> , 2016, 31, 246-255.	0.1	0
14	Characterization of 1,3-propanediol oxidoreductase (DhaT) from <i>Klebsiella pneumoniae</i> J2B. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 971-979.	1.4	19
15	Metabolic engineering of <i>Escherichia coli</i> strains for co-production of hydrogen and ethanol from glucose. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 19323-19330.	3.8	17
16	Cloning and functional expression of <i>Citrobacter amalonaticus</i> Y19 carbon monoxide dehydrogenase in <i>Escherichia coli</i> . <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15446-15454.	3.8	7
17	Improvement of carbon monoxide-dependent hydrogen production activity in <i>Citrobacter amalonaticus</i> Y19 by over-expressing the CO-sensing transcriptional activator, <i>CooA</i> . <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10417-10425.	3.8	15
18	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

#	ARTICLE	IF	CITATIONS
19	Production of Natural 2-Phenylethanol from Glucose or Glycerol with Coupled <i>Escherichia coli</i> Strains Expressing <i>l</i> -Phenylalanine Biosynthesis Pathway and Artificial Biocascades. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	10