

Konstantin Schneider

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,090
citations

516215

16
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

1455
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishing a synthetic pathway for high-level production of 3-hydroxypropionic acid in <i>Saccharomyces cerevisiae</i> via L ² -alanine. <i>Metabolic Engineering</i> , 2015, 27, 57-64.	3.6	185
2	Increased production of L-serine in <i>Escherichia coli</i> through Adaptive Laboratory Evolution. <i>Metabolic Engineering</i> , 2017, 39, 141-150.	3.6	116
3	Metabolic flux analysis in eukaryotes. <i>Current Opinion in Biotechnology</i> , 2010, 21, 63-69.	3.3	112
4	Engineering and systems-level analysis of <i>Saccharomyces cerevisiae</i> for production of 3-hydroxypropionic acid via malonyl-CoA reductase-dependent pathway. <i>Microbial Cell Factories</i> , 2016, 15, 53.	1.9	98
5	Engineering of high yield production of L-serine in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2016, 113, 807-816.	1.7	70
6	EasyCloneMulti: A Set of Vectors for Simultaneous and Multiple Genomic Integrations in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2016, 11, e0150394.	1.1	49
7	Optical device for parallel online measurement of dissolved oxygen and pH in shake flask cultures. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 541-547.	1.7	47
8	Glucose-based microbial production of the hormone melatonin in yeast <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Journal</i> , 2016, 11, 717-724.	1.8	47
9	Overcoming the metabolic burden of protein secretion in <i>Schizosaccharomyces pombe</i> – A quantitative approach using ¹³ C-based metabolic flux analysis. <i>Metabolic Engineering</i> , 2014, 21, 34-45.	3.6	44
10	Production of L-lysine on different silage juices using genetically engineered <i>Corynebacterium glutamicum</i> . <i>Journal of Biotechnology</i> , 2013, 163, 217-224.	1.9	40
11	Coupling S-adenosylmethionine-dependent methylation to growth: Design and uses. <i>PLoS Biology</i> , 2019, 17, e2007050.	2.6	39
12	A system of miniaturized stirred bioreactors for parallel continuous cultivation of yeast with online measurement of dissolved oxygen and off-gas. <i>Biotechnology and Bioengineering</i> , 2013, 110, 535-542.	1.7	37
13	Oxygen supply strongly influences metabolic fluxes, the production of poly(3-hydroxybutyrate) and alginate, and the degree of acetylation of alginate in <i>Azotobacter vinelandii</i> . <i>Process Biochemistry</i> , 2013, 48, 995-1003.	1.8	36
14	Metabolic flux screening of <i>Saccharomyces cerevisiae</i> single knockout strains on glucose and galactose supports elucidation of gene function. <i>Journal of Biotechnology</i> , 2007, 132, 395-404.	1.9	31
15	Metabolic engineering of the purine biosynthetic pathway in <i>Corynebacterium glutamicum</i> results in increased intracellular pool sizes of IMP and hypoxanthine. <i>Microbial Cell Factories</i> , 2012, 11, 138.	1.9	29
16	Metabolite profiling studies in <i>Saccharomyces cerevisiae</i> : an assisting tool to prioritize host targets for antiviral drug screening. <i>Microbial Cell Factories</i> , 2009, 8, 12.	1.9	21
17	Exploring small-scale chemostats to scale up microbial processes: 3-hydroxypropionic acid production in <i>S. cerevisiae</i> . <i>Microbial Cell Factories</i> , 2019, 18, 50.	1.9	16
18	Controlled feeding of hydrogen peroxide as oxygen source improves production of 5-ketofructose from sorbose using engineered pyranose 2-oxidase from <i>Peniophora gigantea</i> . <i>Biotechnology and Bioengineering</i> , 2012, 109, 2941-2945.	1.7	15

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19	Quantitation of intracellular purine intermediates in different Corynebacteria using electrospray LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2295-2305.	1.9	13
20	Engineered Reversal of Function in Glycolytic Yeast Promoters. <i>ACS Synthetic Biology</i> , 2019, 8, 1462-1468.	1.9	12
21	Metabolic fluxes in <i>Schizosaccharomyces pombe</i> grown on glucose and mixtures of glycerol and acetate. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5013-5026.	1.7	11
22	Quantifying the Metabolome of <i>Pseudomonas taiwanensis</i> VLB120: Evaluation of Hot and Cold Combined Quenching/Extraction Approaches. <i>Analytical Chemistry</i> , 2017, 89, 8738-8747.	3.2	11
23	Comparative Proteome Analysis in <i>Schizosaccharomyces pombe</i> Identifies Metabolic Targets to Improve Protein Production and Secretion. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3090-3106.	2.5	8
24	Acetate-containing substrate mixtures improve recombinant protein secretion in <i>Schizosaccharomyces pombe</i> . <i>Engineering in Life Sciences</i> , 2015, 15, 437-442.	2.0	3
25	Charakterisierung des Malatenzym in <i>Saccharomyces cerevisiae</i> beim Wachstum auf Galactose und Glucose. <i>Chemie-Ingenieur-Technik</i> , 2009, 81, 1293-1293.	0.4	0