Petri-Jaan Lahtvee

List of Publications by Year in descending order

22 papers	1,400 citations	567281 15 h-index	713466 21 g-index
29 all docs	29 docs citations	29 times ranked	1776 citing authors

#	Article	IF	Citations
1	Improving the phenotype predictions of a yeast genomeâ€scale metabolic model by incorporating enzymatic constraints. Molecular Systems Biology, 2017, 13, 935.	7.2	367
2	Systems biology approach reveals that overflow metabolism of acetate in Escherichia coli is triggered by carbon catabolite repression of acetyl-CoA synthetase. BMC Systems Biology, 2010, 4, 166.	3.0	184
3	Absolute Quantification of Protein and mRNA Abundances Demonstrate Variability in Gene-Specific Translation Efficiency in Yeast. Cell Systems, 2017, 4, 495-504.e5.	6.2	178
4	Specific growth rate dependent transcriptome profiling of Escherichia coli K12 MG1655 in accelerostat cultures. Journal of Biotechnology, 2010, 145, 60-65.	3.8	83
5	C/N ratio and carbon source-dependent lipid production profiling in Rhodotorula toruloides. Applied Microbiology and Biotechnology, 2020, 104, 2639-2649.	3.6	71
6	Multi-omics approach to study the growth efficiency and amino acid metabolism in Lactococcus lactis at various specific growth rates. Microbial Cell Factories, 2011, 10, 12.	4.0	61
7	Adaptation to different types of stress converge on mitochondrial metabolism. Molecular Biology of the Cell, 2016, 27, 2505-2514.	2.1	59
8	Transcriptome analysis of the thermotolerant yeast Kluyveromyces marxianus CCT 7735 under ethanol stress. Applied Microbiology and Biotechnology, 2017, 101, 6969-6980.	3.6	57
9	The yeast osmostress response is carbon source dependent. Scientific Reports, 2017, 7, 990.	3.3	55
10	Xylose Metabolism and the Effect of Oxidative Stress on Lipid and Carotenoid Production in Rhodotorula toruloides: Insights for Future Biorefinery. Frontiers in Bioengineering and Biotechnology, 2020, 8, 1008.	4.1	49
11	Protein turnover forms one of the highest maintenance costs in Lactococcus lactis. Microbiology (United Kingdom), 2014, 160, 1501-1512.	1.8	37
12	Physical Confinement Impacts Cellular Phenotypes within Living Materials. ACS Applied Bio Materials, 2020, 3, 4273-4281.	4.6	30
13	Cellâ€Laden Hydrogels for Multikingdom 3D Printing. Macromolecular Bioscience, 2020, 20, e2000121.	4.1	29
14	Applications of computational modeling in metabolic engineering of yeast. FEMS Yeast Research, 2014, 15, n/a-n/a.	2.3	28
15	Quasi steady state growth of Lactococcus lactis in glucose-limited acceleration stat (A-stat) cultures. Antonie Van Leeuwenhoek, 2009, 95, 219-226.	1.7	17
16	Screening and Growth Characterization of Non-conventional Yeasts in a Hemicellulosic Hydrolysate. Frontiers in Bioengineering and Biotechnology, 2021, 9, 659472.	4.1	14
17	Potassium and Sodium Salt Stress Characterization in the Yeasts Saccharomyces cerevisiae, Kluyveromyces marxianus, and Rhodotorula toruloides. Applied and Environmental Microbiology, 2021, 87, e0310020.	3.1	14
18	Benchmarking accuracy and precision of intensityâ€based absolute quantification of protein abundances in Saccharomyces cerevisiae. Proteomics, 2021, 21, e2000093.	2.2	13

#	Article	IF	Citations
19	Metabolism Control in 3D-Printed Living Materials Improves Fermentation. ACS Applied Bio Materials, 2021, 4, 7195-7203.	4.6	11
20	Steady state growth space study of Lactococcus lactis in D-stat cultures. Antonie Van Leeuwenhoek, 2009, 96, 487-496.	1.7	10
21	Development of a dedicated Golden Gate Assembly Platform (RtGGA) for Rhodotorula toruloides. Metabolic Engineering Communications, 2022, 15, e00200.	3.6	8
22	Systems Biology: Developments and Applications. , 2014, , 83-96.		3