Trygve Brautaset

List of Publications by Year
in descending order

27 papers	799 citations	567281 15 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	825 citing authors

#	Article	IF	Citations
1	Unravelling Formaldehyde Metabolism in Bacteria: Road towards Synthetic Methylotrophy. Microorganisms, 2022, 10, 220.	3.6	13
2	Methane monooxygenases: central enzymes in methanotrophy with promising biotechnological applications. World Journal of Microbiology and Biotechnology, 2021, 37, 72.	3.6	25
3	Developing a Riboswitch-Mediated Regulatory System for Metabolic Flux Control in Thermophilic Bacillus methanolicus. International Journal of Molecular Sciences, 2021, 22, 4686.	4.1	6
4	Evaluation of Heterologous Biosynthetic Pathways for Methanol-Based 5-Aminovalerate Production by Thermophilic Bacillus methanolicus. Frontiers in Bioengineering and Biotechnology, 2021, 9, 686319.	4.1	10
5	Aerobic Utilization of Methanol for Microbial Growth and Production. Advances in Biochemical Engineering/Biotechnology, 2021, , .	1.1	3
6	Methanol-based acetoin production by genetically engineeredBacillus methanolicus. Green Chemistry, 2020, 22, 788-802.	9.0	28
7	Functional characterization of three Azotobacter chroococcum alginate-modifying enzymes related to the Azotobacter vinelandii AlgE mannuronan C-5-epimerase family. Scientific Reports, 2020, 10, 12470.	3.3	18
8	Establishment of a functional system for recombinant production of secreted proteins at 50ÂÂ°C in the thermophilic Bacillus methanolicus. Microbial Cell Factories, 2020, 19, 151.	4.0	11
9	Translational regulation of periplasmic folding assistants and proteases as a valuable strategy to improve production of translocated recombinant proteins in Escherichia coli. BMC Biotechnology, 2020, 20, 24.	3.3	6
10	Monitoring Parallel Robotic Cultivations with Online Multivariate Analysis. Processes, 2020, 8, 582.	2.8	10
11	Transaldolase in Bacillus methanolicus: biochemical characterization and biological role in ribulose monophosphate cycle. BMC Microbiology, 2020, 20, 63.	3.3	6
12	Production of Value-Added Chemicals by Bacillus methanolicus Strains Cultivated on Mannitol and Extracts of Seaweed Saccharina latissima at 50Â°C. Frontiers in Microbiology, 2020, 11, 680.	3.5	13
13	Establishment and application of CRISPR interference to affect sporulation, hydrogen peroxide detoxification, and mannitol catabolism in the methylotrophic thermophile Bacillus methanolicus. Applied Microbiology and Biotechnology, 2019, 103, 5879-5889.	3.6	28
14	Construction and characterization of broad-host-range reporter plasmid suitable for on-line analysis of bacterial host responses related to recombinant protein production. Microbial Cell Factories, 2019, 18, 80.	4.0	5
15	Genetic Tools and Techniques for Recombinant Expression in Thermophilic Bacillaceae. Microorganisms, 2018, 6, 42.	3.6	38
16	6-Phosphofructokinase and ribulose-5-phosphate 3-epimerase in methylotrophic Bacillus methanolicus ribulose monophosphate cycle. Applied Microbiology and Biotechnology, 2017, 101, 4185-4200.	3.6	2
17	A novel expression system for lytic polysaccharide monooxygenases. Carbohydrate Research, 2017, 448, 212-219.	2.3	29
18	l -lysine production by Bacillus methanolicus : Genome-based mutational analysis and l -lysine secretion engineering. Journal of Biotechnology, 2017, 244, 25-33.	3.8	21

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19	Methanol as carbon substrate in the bioâ€economy: Metabolic engineering of aerobic methylotrophic bacteria for production of valueâ€added chemicals. Biofuels, Bioproducts and Biorefining, 2017, 11, 719-731.	3.7	67
20	The XylS/Pm regulator/promoter system and its use in fundamental studies of bacterial gene expression, recombinant protein production and metabolic engineering. Microbial Biotechnology, 2017, 10, 702-718.	4.2	48
21	Quantitative metabolomics of the thermophilic methylotroph Bacillus methanolicus. Microbial Cell Factories, 2016, 15, 92.	4.0	22
22	Draft genome sequence of the docosahexaenoic acid producing thraustochytrid Aurantiochytrium sp. T66. Genomics Data, 2016, 8, 115-116.	1.3	37
23	Engineering Escherichia coli for methanol conversion. Metabolic Engineering, 2015, 28, 190-201.	7.0	166
24	Plasmid-Dependent Methylotrophy in Thermotolerant Bacillus methanolicus. Journal of Bacteriology, 2004, 186, 1229-1238.	2.2	68
25	Role of the Bacillus methanolicus Citrate Synthase II Gene, citY , in Regulating the Secretion of Glutamate in l -Lysine-Secreting Mutants. Applied and Environmental Microbiology, 2003, 69, 3986-3995.	3.1	57
26	Site-specific Mutagenesis and Domain Substitutions in the Loading Module of the Nystatin Polyketide Synthase, and Their Effects on Nystatin Biosynthesis in Streptomyces noursei. Journal of Biological Chemistry, 2003, 278, 14913-14919.	3.4	26
27	Hexaene Derivatives of Nystatin Produced as a Result of an Induced Rearrangement within the nysC Polyketide Synthase Gene in S. noursei ATCC 11455. Chemistry and Biology, 2002, 9, 367-373.	6.0	36