

# Trygve Brautaset

## List of Publications by Year in descending order

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27  
papers

799  
citations

566801

15  
h-index

525886

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Escherichia coli for methanol conversion. <i>Metabolic Engineering</i> , 2015, 28, 190-201.	3.6	166
2	Plasmid-Dependent Methylo-trophy in Thermotolerant <i>Bacillus methanolicus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 1229-1238.	1.0	68
3	Methanol as carbon substrate in the bio-economy: Metabolic engineering of aerobic methylotrophic bacteria for production of value-added chemicals. <i>Biofuels, Bioproducts and Biorefining</i> , 2017, 11, 719-731.	1.9	67
4	Role of the <i>Bacillus methanolicus</i> Citrate Synthase II Gene, <i>citY</i> , in Regulating the Secretion of Glutamate in l-Lysine-Secreting Mutants. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3986-3995.	1.4	57
5	The <i>XylS/Pm</i> regulator/promoter system and its use in fundamental studies of bacterial gene expression, recombinant protein production and metabolic engineering. <i>Microbial Biotechnology</i> , 2017, 10, 702-718.	2.0	48
6	Genetic Tools and Techniques for Recombinant Expression in Thermophilic Bacillaceae. <i>Microorganisms</i> , 2018, 6, 42.	1.6	38
7	Draft genome sequence of the docosahexaenoic acid producing thraustochytrid <i>Aurantiochytrium</i> sp. T66. <i>Genomics Data</i> , 2016, 8, 115-116.	1.3	37
8	Hexaene Derivatives of Nystatin Produced as a Result of an Induced Rearrangement within the <i>nysC</i> Polyketide Synthase Gene in <i>S. noursei</i> ATCC 11455. <i>Chemistry and Biology</i> , 2002, 9, 367-373.	6.2	36
9	A novel expression system for lytic polysaccharide monooxygenases. <i>Carbohydrate Research</i> , 2017, 448, 212-219.	1.1	29
10	Establishment and application of CRISPR interference to affect sporulation, hydrogen peroxide detoxification, and mannitol catabolism in the methylotrophic thermophile <i>Bacillus methanolicus</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5879-5889.	1.7	28
11	Methanol-based acetoin production by genetically engineered <i>Bacillus methanolicus</i> . <i>Green Chemistry</i> , 2020, 22, 788-802.	4.6	28
12	Site-specific Mutagenesis and Domain Substitutions in the Loading Module of the Nystatin Polyketide Synthase, and Their Effects on Nystatin Biosynthesis in <i>Streptomyces noursei</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 14913-14919.	1.6	26
13	Methane monooxygenases: central enzymes in methanotrophy with promising biotechnological applications. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 72.	1.7	25
14	Quantitative metabolomics of the thermophilic methylotroph <i>Bacillus methanolicus</i> . <i>Microbial Cell Factories</i> , 2016, 15, 92.	1.9	22
15	l-lysine production by <i>Bacillus methanolicus</i> : Genome-based mutational analysis and l-lysine secretion engineering. <i>Journal of Biotechnology</i> , 2017, 244, 25-33.	1.9	21
16	Functional characterization of three <i>Azotobacter chroococcum</i> alginate-modifying enzymes related to the <i>Azotobacter vinelandii</i> AlgE mannuronan C-5-epimerase family. <i>Scientific Reports</i> , 2020, 10, 12470.	1.6	18
17	Production of Value-Added Chemicals by <i>Bacillus methanolicus</i> Strains Cultivated on Mannitol and Extracts of Seaweed <i>Saccharina latissima</i> at 50°C. <i>Frontiers in Microbiology</i> , 2020, 11, 680.	1.5	13
18	Unravelling Formaldehyde Metabolism in Bacteria: Road towards Synthetic Methylo-trophy. <i>Microorganisms</i> , 2022, 10, 220.	1.6	13

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19	Establishment of a functional system for recombinant production of secreted proteins at 50°C in the thermophilic <i>Bacillus methanolicus</i> . <i>Microbial Cell Factories</i> , 2020, 19, 151.	1.9	11
20	Monitoring Parallel Robotic Cultivations with Online Multivariate Analysis. <i>Processes</i> , 2020, 8, 582.	1.3	10
21	Evaluation of Heterologous Biosynthetic Pathways for Methanol-Based 5-Aminovalerate Production by Thermophilic <i>Bacillus methanolicus</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 686319.	2.0	10
22	Translational regulation of periplasmic folding assistants and proteases as a valuable strategy to improve production of translocated recombinant proteins in <i>Escherichia coli</i> . <i>BMC Biotechnology</i> , 2020, 20, 24.	1.7	6
23	Transaldolase in <i>Bacillus methanolicus</i> : biochemical characterization and biological role in ribulose monophosphate cycle. <i>BMC Microbiology</i> , 2020, 20, 63.	1.3	6
24	Developing a Riboswitch-Mediated Regulatory System for Metabolic Flux Control in Thermophilic <i>Bacillus methanolicus</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 4686.	1.8	6
25	Construction and characterization of broad-host-range reporter plasmid suitable for on-line analysis of bacterial host responses related to recombinant protein production. <i>Microbial Cell Factories</i> , 2019, 18, 80.	1.9	5
26	Aerobic Utilization of Methanol for Microbial Growth and Production. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2021, , .	0.6	3
27	6-Phosphofructokinase and ribulose-5-phosphate 3-epimerase in methylotrophic <i>Bacillus methanolicus</i> ribulose monophosphate cycle. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4185-4200.	1.7	2