

Trygve Brautaset

List of Publications by Year in descending order

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27
papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Unravelling Formaldehyde Metabolism in Bacteria: Road towards Synthetic Methylo trophy. <i>Microorganisms</i> , 2022, 10, 220. | 1.6 | 13 |
| 2 | Methane monooxygenases: central enzymes in methanotrophy with promising biotechnological applications. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 72. | 1.7 | 25 |
| 3 | 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 |
| 4 | 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 |
| 5 | Aerobic Utilization of Methanol for Microbial Growth and Production. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2021, , . | 0.6 | 3 |
| 6 | Methanol-based acetoin production by genetically engineered <i>Bacillus methanolicus</i> . <i>Green Chemistry</i> , 2020, 22, 788-802. | 4.6 | 28 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Monitoring Parallel Robotic Cultivations with Online Multivariate Analysis. <i>Processes</i> , 2020, 8, 582. | 1.3 | 10 |
| 11 | 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 |
| 12 | 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 |
| 13 | Establishment and application of CRISPR interference to affect sporulation, hydrogen peroxide detoxification, and mannitol catabolism in the methylo trophic thermophile <i>Bacillus methanolicus</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5879-5889. | 1.7 | 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. <i>Microbial Cell Factories</i> , 2019, 18, 80. | 1.9 | 5 |
| 15 | Genetic Tools and Techniques for Recombinant Expression in Thermophilic Bacillaceae. <i>Microorganisms</i> , 2018, 6, 42. | 1.6 | 38 |
| 16 | 6-Phosphofructokinase and ribulose-5-phosphate 3-epimerase in methylo trophic <i>Bacillus methanolicus</i> ribulose monophosphate cycle. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4185-4200. | 1.7 | 2 |
| 17 | A novel expression system for lytic polysaccharide monooxygenases. <i>Carbohydrate Research</i> , 2017, 448, 212-219. | 1.1 | 29 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | Methanol as carbon substrate in the bioeconomy: 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 |
| 20 | The XylS/Pm 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 |
| 21 | Quantitative metabolomics of the thermophilic methylotroph <i>Bacillus methanolicus</i> . <i>Microbial Cell Factories</i> , 2016, 15, 92. | 1.9 | 22 |
| 22 | 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 |
| 23 | Engineering <i>Escherichia coli</i> for methanol conversion. <i>Metabolic Engineering</i> , 2015, 28, 190-201. | 3.6 | 166 |
| 24 | Plasmid-Dependent Methylotrophy in Thermotolerant <i>Bacillus methanolicus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 1229-1238. | 1.0 | 68 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |