

Martin Gustavsson

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

546
citations

623734

14
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752698

20
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22
all docs

22
docs citations

22
times ranked

838
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Bio-based production of monomers and polymers by metabolically engineered microorganisms. <i>Current Opinion in Biotechnology</i> , 2015, 36, 73-84. | 6.6 | 126 |
| 2 | Prospects of microbial cell factories developed through systems metabolic engineering. <i>Microbial Biotechnology</i> , 2016, 9, 610-617. | 4.2 | 69 |
| 3 | Recent trends in metabolic engineering of microorganisms for the production of advanced biofuels. <i>Current Opinion in Chemical Biology</i> , 2016, 35, 10-21. | 6.1 | 55 |
| 4 | Increasing the production of (R)-3-hydroxybutyrate in recombinant <i>Escherichia coli</i> by improved cofactor supply. <i>Microbial Cell Factories</i> , 2016, 15, 91. | 4.0 | 39 |
| 5 | Optimisation of surface expression using the AIDA autotransporter. <i>Microbial Cell Factories</i> , 2011, 10, 72. | 4.0 | 29 |
| 6 | Surface display of <i>Salmonella</i> epitopes in <i>Escherichia coli</i> and <i>Staphylococcus carnosus</i> . <i>Microbial Cell Factories</i> , 2011, 10, 22. | 4.0 | 25 |
| 7 | Continuous removal of the model pharmaceutical chloroquine from water using melanin-covered <i>Escherichia coli</i> in a membrane bioreactor. <i>Journal of Hazardous Materials</i> , 2019, 365, 74-80. | 12.4 | 24 |
| 8 | Biocatalysis on the surface of <i>Escherichia coli</i> : melanin pigmentation of the cell exterior. <i>Scientific Reports</i> , 2016, 6, 36117. | 3.3 | 23 |
| 9 | Regulating the production of (R)-3-hydroxybutyrate in <i>Escherichia coli</i> by N or P limitation. <i>Frontiers in Microbiology</i> , 2015, 6, 844. | 3.5 | 21 |
| 10 | Cultivation strategies for production of (R)-3-hydroxybutyric acid from simultaneous consumption of glucose, xylose and arabinose by <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2015, 14, 51. | 4.0 | 21 |
| 11 | A dual tag system for facilitated detection of surface expressed proteins in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2012, 11, 118. | 4.0 | 20 |
| 12 | The role of the acyl-CoA thioesterase α -YciA in the production of (R)-3-hydroxybutyrate by recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 3693-3704. | 3.6 | 18 |
| 13 | Surface Expression of α -Transaminase in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 2293-2298. | 3.1 | 16 |
| 14 | Evolutionary patterns of carbohydrate transport and metabolism in <i>Halomonas boliviensis</i> as derived from its genome sequence: influences on polyester production. <i>Aquatic Biosystems</i> , 2012, 8, 9. | 1.8 | 15 |
| 15 | Molecular optimization of autotransporter-based tyrosinase surface display. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 486-494. | 2.6 | 14 |
| 16 | Process optimization for increased yield of surface-expressed protein in <i>Escherichia coli</i> . <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1685-1693. | 3.4 | 8 |
| 17 | Improved cell surface display of <i>Salmonella enterica</i> serovar Enteritidis antigens in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2015, 14, 47. | 4.0 | 8 |
| 18 | Comparison of engineered <i>Escherichia coli</i> AF1000 and BL21 strains for (R)-3-hydroxybutyrate production in fed-batch cultivation. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5627-5639. | 3.6 | 8 |

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|----|---|-----|-----------|
| 19 | Improvements of poly(3-hydroxybutyrate) production in an air-lift reactor using simple production media. <i>Bioresources and Bioprocessing</i> , 2020, 7, . | 4.2 | 5 |
| 20 | Characterization of volatile fatty-acid utilization in <i>Escherichia coli</i> aiming for robust valorisation of food residues. <i>AMB Express</i> , 2020, 10, 184. | 3.0 | 2 |
| 21 | Metabolic engineering applications of the <i>Escherichia coli</i> bacterial artificial chromosome. <i>Journal of Biotechnology</i> , 2019, 305, 43-50. | 3.8 | 0 |