

Kaisa Hakkila

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

926
citations

567281

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26
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1007
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Reporter Genes <i>lucFF</i> , <i>luxCDABE</i> , <i>gfp</i> , and <i>dsred</i> Have Different Characteristics in Whole-Cell Bacterial Sensors. <i>Analytical Biochemistry</i> , 2002, 301, 235-242. | 2.4 | 179 |
| 2 | Detection of bioavailable heavy metals in EILATox-Oregon samples using whole-cell luminescent bacterial sensors in suspension or immobilized onto fibre-optic tips. <i>Journal of Applied Toxicology</i> , 2004, 24, 333-342. | 2.8 | 131 |
| 3 | Detection of Organomercurials with Sensor Bacteria. <i>Analytical Chemistry</i> , 2001, 73, 5168-5171. | 6.5 | 88 |
| 4 | The SigB σ Factor Regulates Multiple Salt Acclimation Responses of the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Physiology</i> , 2012, 158, 514-523. | 4.8 | 66 |
| 5 | Roles of Group 2 Sigma Factors in Acclimation of the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 to Nitrogen Deficiency. <i>Plant and Cell Physiology</i> , 2016, 57, 1309-1318. | 3.1 | 49 |
| 6 | Oxidative stress and photoinhibition can be separated in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 217-225. | 1.0 | 47 |
| 7 | Analytical strategies for improving the robustness and reproducibility of bioluminescent microbial bioreporters. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 201-211. | 3.7 | 46 |
| 8 | Cd-Specific Mutants of Mercury-Sensing Regulatory Protein MerR, Generated by Directed Evolution. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6215-6224. | 3.1 | 37 |
| 9 | The omega subunit of the RNA polymerase core directs transcription efficiency in cyanobacteria. <i>Nucleic Acids Research</i> , 2014, 42, 4606-4614. | 14.5 | 37 |
| 10 | 6S RNA plays a role in recovery from nitrogen depletion in <i>Synechocystis</i> sp. PCC 6803. <i>BMC Microbiology</i> , 2017, 17, 229. | 3.3 | 34 |
| 11 | Measurement of Effects of Antibiotics in Bioluminescent <i>Staphylococcus aureus</i> RN4220. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 3456-3461. | 3.2 | 29 |
| 12 | Group 2 Sigma Factor Mutant σ^{sigCDE} of the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 Reveals Functionality of Both Carotenoids and Flavodiiron Proteins in Photoprotection of Photosystem II. <i>Plant and Cell Physiology</i> , 2013, 54, 1780-1790. | 3.1 | 29 |
| 13 | Simultaneous detection of bacteria expressing <i>gfp</i> and <i>dsred</i> genes with a flow cytometer. <i>Cytometry</i> , 2002, 47, 243-247. | 1.8 | 25 |
| 14 | <i>In vivo</i> recruitment analysis and a mutant strain without any group 2 σ factor reveal roles of different σ factors in cyanobacteria. <i>Molecular Microbiology</i> , 2016, 99, 43-54. | 2.5 | 25 |
| 15 | Monitoring promoter activity in a single bacterial cell by using green and red fluorescent proteins. <i>Journal of Microbiological Methods</i> , 2003, 54, 75-79. | 1.6 | 19 |
| 16 | The interaction between concrete pavement and corrosion-induced copper runoff from buildings. <i>Environmental Monitoring and Assessment</i> , 2008, 140, 175-189. | 2.7 | 14 |
| 17 | Acclimation to High CO ₂ Requires the σ^{omega} Subunit of the RNA Polymerase in <i>Synechocystis</i> . <i>Plant Physiology</i> , 2017, 174, 172-184. | 4.8 | 14 |
| 18 | Inactivation of group 2 σ factors upregulates production of transcription and translation machineries in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Scientific Reports</i> , 2018, 8, 10305. | 3.3 | 13 |

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|----|---|-----|-----------|
| 19 | Group 2 Sigma Factors are Central Regulators of Oxidative Stress Acclimation in Cyanobacteria. <i>Plant and Cell Physiology</i> , 2019, 60, 436-447. | 3.1 | 13 |
| 20 | The σ Subunit of RNA Polymerase Is Essential for Thermal Acclimation of the Cyanobacterium <i>Synechocystis</i> Sp. PCC 6803. <i>PLoS ONE</i> , 2014, 9, e112599. | 2.5 | 9 |
| 21 | Toxicity detection from EILATox-Oregon Workshop samples by using kinetic photobacteria measurement: the flash method. <i>Journal of Applied Toxicology</i> , 2004, 24, 349-353. | 2.8 | 8 |
| 22 | Developing a compound-specific receptor for bisphenol a by directed evolution of human estrogen receptor β . <i>Biotechnology and Bioengineering</i> , 2011, 108, 2526-2534. | 3.3 | 7 |
| 23 | Roles of Close Homologues SigB and SigD in Heat and High Light Acclimation of the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Life</i> , 2022, 12, 162. | 2.4 | 5 |
| 24 | Isolation of sensitive nisin-sensing GFPuv bioassay <i>Lactococcus Lactis</i> strains using FACS. <i>Biotechnology Letters</i> , 2009, 31, 119-122. | 2.2 | 1 |
| 25 | Mutations Suppressing the Lack of Prepilin Peptidase Provide Insights Into the Maturation of the Major Pilin Protein in Cyanobacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 756912. | 3.5 | 1 |