

Kaisa Hakkila

List of Publications by Year in descending order

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papers

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567281

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Acclimation to High CO ₂ Requires the σ Subunit of the RNA Polymerase in <i>Synechocystis</i> . <i>Plant Physiology</i> , 2017, 174, 172-184.	4.8	14
6	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
7	<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
8	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
9	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
10	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
11	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
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	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	Reporter Genes lucFF, luxCDABE, gfp, and dsred Have Different Characteristics in Whole-Cell Bacterial Sensors. <i>Analytical Biochemistry</i> , 2002, 301, 235-242.	2.4	179
23	Simultaneous detection of bacteria expressinggfp anddsred genes with a flow cytometer. <i>Cytometry</i> , 2002, 47, 243-247.	1.8	25
24	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
25	Detection of Organomercurials with Sensor Bacteria. <i>Analytical Chemistry</i> , 2001, 73, 5168-5171.	6.5	88