

Catarina C Pacheco

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2749686/publications.pdf>

Version: 2024-02-01

31
papers

869
citations

471509

17
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1289
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression and activity of heterologous hydroxyisocaproate dehydrogenases in <i>Synechocystis</i> sp. PCC 6803. <i>Engineering Microbiology</i> , 2022, 2, 100008.	4.7	9
2	Extracellular vesicles as an alternative copper-secretion mechanism in bacteria. <i>Journal of Hazardous Materials</i> , 2022, 431, 128594.	12.4	14
3	Light-driven hydroxylation of testosterone by <i>Synechocystis</i> sp. PCC 6803 expressing the heterologous CYP450 monooxygenase CYP110D1. <i>Green Chemistry</i> , 2022, 24, 6156-6167.	9.0	9
4	Comparison of alternative integration sites in the chromosome and the native plasmids of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 in respect to expression efficiency and copy number. <i>Microbial Cell Factories</i> , 2021, 20, 130.	4.0	21
5	Design and Validation of Tools for Microbial Synthetic Biology Applications. <i>Life</i> , 2021, 11, 739.	2.4	0
6	Chapter 6 Synthetic biology of cyanobacteria. , 2021, , 131-172.		3
7	CRISPRi as a Tool to Repress Multiple Copies of Extracellular Polymeric Substances (EPS)-Related Genes in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Life</i> , 2021, 11, 1198.	2.4	7
8	Heterologous Production of Glycine Betaine Using <i>Synechocystis</i> sp. PCC 6803-Based Chassis Lacking Native Compatible Solutes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 821075.	4.1	3
9	CyanoFactory, a European consortium to develop technologies needed to advance cyanobacteria as chassis for production of chemicals and fuels. <i>Algal Research</i> , 2019, 41, 101510.	4.6	24
10	Identification of inner membrane translocase components of TolC-mediated secretion in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Environmental Microbiology</i> , 2018, 20, 2354-2369.	3.8	27
11	Modulation of Intracellular O ₂ Concentration in <i>Escherichia coli</i> Strains Using Oxygen Consuming Devices. <i>ACS Synthetic Biology</i> , 2018, 7, 1742-1752.	3.8	2
12	Expanding the toolbox for <i>Synechocystis</i> sp. PCC 6803: validation of replicative vectors and characterization of a novel set of promoters. <i>Synthetic Biology</i> , 2018, 3, ysy014.	2.2	43
13	Improving a <i>Synechocystis</i> -based photoautotrophic chassis through systematic genome mapping and validation of neutral sites. <i>DNA Research</i> , 2015, 22, 425-437.	3.4	49
14	HesF, an exoprotein required for filament adhesion and aggregation in <i>Nostoc nabaena</i> sp. PCC 7120. <i>Environmental Microbiology</i> , 2015, 17, 1631-1648.	3.8	28
15	H ₂ Production Using Cyanobacteria/Cyanobacterial Hydrogenases: From Classical to Synthetic Biology Approaches. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 79-99.	1.0	1
16	Construction of a chassis for hydrogen production: physiological and molecular characterization of a <i>Synechocystis</i> sp. PCC 6803 mutant lacking a functional bidirectional hydrogenase. <i>Microbiology (United Kingdom)</i> , 2012, 158, 448-464.	1.8	30
17	Infection levels and diversity of anisakid nematodes in blackspot seabream, <i>Pagellus bogaraveo</i> , from Portuguese waters. <i>Parasitology Research</i> , 2012, 110, 1919-1928.	1.6	40
18	Selection of Suitable Reference Genes for RT-qPCR Analyses in Cyanobacteria. <i>PLoS ONE</i> , 2012, 7, e34983.	2.5	120

#	ARTICLE	IF	CITATIONS
19	Role of respiration and glutathione in cadmium-induced oxidative stress in <i>Escherichia coli</i> K-12. <i>Archives of Microbiology</i> , 2008, 189, 271-278.	2.2	30
20	<i>Labrys portucalensis</i> sp. nov., a fluorobenzene-degrading bacterium isolated from an industrially contaminated sediment in northern Portugal. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 692-698.	1.7	29
21	Long-term performance and microbial dynamics of an up-flow fixed bed reactor established for the biodegradation of fluorobenzene. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 555-562.	3.6	15
22	<i>Methyloversatilis universalis</i> gen. nov., sp. nov., a novel taxon within the Betaproteobacteria represented by three methylotrophic isolates. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2517-2522.	1.7	104
23	Identification, Mutagenesis, and Transcriptional Analysis of the Methanesulfonate Transport Operon of <i>Methylosulfonomonas methylavora</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 276-283.	3.1	11
24	Isolation and properties of methanesulfonate-degrading <i>Afipia felis</i> from Antarctica and comparison with other strains of <i>A. felis</i> . <i>Environmental Microbiology</i> , 2005, 7, 22-33.	3.8	36
25	Isolation and properties of a pure bacterial strain capable of fluorobenzene degradation as sole carbon and energy source. <i>Environmental Microbiology</i> , 2005, 7, 294-298.	3.8	63
26	Isolation and Characterization of Polymeric Galloyl-Ester-Degrading Bacteria from a Tannery Discharge Place. <i>Microbial Ecology</i> , 2005, 50, 550-556.	2.8	18
27	Novel pollutant-resistant methylotrophic bacteria for use in bioremediation. <i>FEMS Microbiology Letters</i> , 2004, 234, 75-80.	1.8	66
28	Novel pollutant-resistant methylotrophic bacteria for use in bioremediation. <i>FEMS Microbiology Letters</i> , 2004, 234, 75-80.	1.8	32
29	Epifluorescence microscope methods for bacterial enumeration in a 4-chlorophenol degrading consortium. <i>Biotechnology Letters</i> , 2003, 25, 2089-2092.	2.2	4
30	Strain PM2, a novel methylotrophic fluorescent <i>Pseudomonas</i> sp.. <i>FEMS Microbiology Letters</i> , 2003, 227, 279-285.	1.8	6
31	Enrichment of microbial cultures able to degrade 1,3-dichloro-2-propanol: a comparison between batch and continuous methods. <i>Biodegradation</i> , 2002, 13, 211-220.	3.0	25