

Catarina C Pacheco

List of Publications by Year in descending order

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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 | Selection of Suitable Reference Genes for RT-qPCR Analyses in Cyanobacteria. <i>PLoS ONE</i> , 2012, 7, e34983. | 2.5 | 120 |
| 2 | <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 |
| 3 | Novel pollutant-resistant methylotrophic bacteria for use in bioremediation. <i>FEMS Microbiology Letters</i> , 2004, 234, 75-80. | 1.8 | 66 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Novel pollutant-resistant methylotrophic bacteria for use in bioremediation. <i>FEMS Microbiology Letters</i> , 2004, 234, 75-80. | 1.8 | 32 |
| 10 | 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 |
| 11 | 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 |
| 12 | <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 |
| 13 | <i>HesF</i> , an exoprotein required for filament adhesion and aggregation in <i>A. nabaena</i> sp. PCC 7120. <i>Environmental Microbiology</i> , 2015, 17, 1631-1648. | 3.8 | 28 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | Extracellular vesicles as an alternative copper-secretion mechanism in bacteria. <i>Journal of Hazardous Materials</i> , 2022, 431, 128594. | 12.4 | 14 |
| 21 | Identification, Mutagenesis, and Transcriptional Analysis of the Methanesulfonate Transport Operon of <i>Methylosulfonomonas methylovora</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 276-283. | 3.1 | 11 |
| 22 | Expression and activity of heterologous hydroxyisocaproate dehydrogenases in <i>Synechocystis</i> sp. PCC 6803 Δ hoxYH. <i>Engineering Microbiology</i> , 2022, 2, 100008. | 4.7 | 9 |
| 23 | 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 |
| 24 | 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 |
| 25 | Strain PM2, a novel methylotrophic fluorescent <i>Pseudomonas</i> sp.. <i>FEMS Microbiology Letters</i> , 2003, 227, 279-285. | 1.8 | 6 |
| 26 | Epifluorescence microscope methods for bacterial enumeration in a 4-chlorophenol degrading consortium. <i>Biotechnology Letters</i> , 2003, 25, 2089-2092. | 2.2 | 4 |
| 27 | Chapter 6 Synthetic biology of cyanobacteria. , 2021, , 131-172. | | 3 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | Design and Validation of Tools for Microbial Synthetic Biology Applications. <i>Life</i> , 2021, 11, 739. | 2.4 | 0 |