Paulo Oliveira

List of Publications by Year
in descending order

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41 papers	1,611 citations	279798 23 h-index	289244 40 g-index
42 all docs	42 docs citations	42 times ranked	1510 citing authors

#	Article	IF	Citations
1	Cyanobacterial hydrogenases: diversity, regulation and applications. FEMS Microbiology Reviews, 2007, 31, 692-720.	8.6	304
2	Cyanobacterial H2 production ? a comparative analysis. Planta, 2004, 218, 350-359.	3.2	185
3	Synthetic Biology in Cyanobacteria. Methods in Enzymology, 2011, 497, 539-579.	1.0	184
4	LexA, a transcription regulator binding in the promoter region of the bidirectional hydrogenase in the cyanobacteriumSynechocystissp. PCC 6803. FEMS Microbiology Letters, 2005, 251, 59-66.	1.8	68
5	An AbrB-Like Protein Regulates the Expression of the Bidirectional Hydrogenase in Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2008, 190, 1011-1019.	2.2	66
6	Design, Engineering, and Construction of Photosynthetic Microbial Cell Factories for Renewable Solar Fuel Production. Ambio, 2012, 41, 163-168.	5.5	49
7	Improving aSynechocystis-based photoautotrophic chassis through systematic genome mapping and validation of neutral sites. DNA Research, 2015, 22, 425-437.	3.4	49
8	Transcription and Regulation of the Bidirectional Hydrogenase in the Cyanobacterium Nostoc sp. Strain PCC 7120. Applied and Environmental Microbiology, 2007, 73, 5435-5446.	3.1	45
9	Expanding the toolbox for Synechocystis sp. PCC 6803: validation of replicative vectors and characterization of a novel set of promoters. Synthetic Biology, 2018, 3, ysy014.	2.2	43
10	The bidirectional hydrogenase in the cyanobacterium Synechocystis sp. strain PCC 6803. International Journal of Hydrogen Energy, 2006, 31, 1439-1444.	7.1	42
11	The versatile <scp>TolC</scp>â€like <scp>S</scp>lr1270 in the cyanobacterium <scp>S</scp>ynechocystis sp. <scp>PCC</scp> 6803. Environmental Microbiology, 2016, 18, 486-502.	3.8	38
12	The Anabaena sp. PCC 7120 Exoproteome: Taking a Peek outside the Box. Life, 2015, 5, 130-163.	2.4	37
13	Extracellular Proteins: Novel Key Components of Metal Resistance in Cyanobacteria?. Frontiers in Microbiology, 2016, 7, 878.	3.5	37
14	Characterization and transcriptional analysis of hupSLW in Gloeothece sp. ATCC 27152: an uptake hydrogenase from a unicellular cyanobacterium. Microbiology (United Kingdom), 2004, 150, 3647-3655.	1.8	36
15	Analysis of the hupSL Operon of the Nonheterocystous Cyanobacterium Lyngbya majuscula CCAP 1446/4: Regulation of Transcription and Expression under a Light-Dark Regimen. Applied and Environmental Microbiology, 2005, 71, 4567-4576.	3.1	30
16	Transcriptional regulation of the cyanobacterial bidirectional Hox-hydrogenase. Dalton Transactions, 2009, , 9990.	3.3	30
17	The alternative sigma factor SigF is a key player in the control of secretion mechanisms in Synechocystis sp. PCC 6803. Environmental Microbiology, 2019, 21, 343-359.	3.8	29
18	Streptomyces natalensis programmed cell death and morphological differentiation are dependent on oxidative stress. Scientific Reports, 2015, 5, 12887.	3.3	28

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19	<scp>HesF</scp>, an exoprotein required for filament adhesion and aggregation in <scp>A</scp>nabaena sp. <scp>PCC</scp> 7120. Environmental Microbiology, 2015, 17, 1631-1648.	3.8	28
20	Cellular and functional specificity among ferritinâ€like proteins in the multicellular cyanobacterium <scp>N</scp>ostoc punctiforme. Environmental Microbiology, 2014, 16, 829-844.	3.8	27
21	Identification of inner membrane translocase components of TolCâ€mediated secretion in the cyanobacterium Synechocystis sp. PCC 6803. Environmental Microbiology, 2018, 20, 2354-2369.	3.8	27
22	Characterization of the hupSL promoter activity in Nostoc punctiforme ATCC 29133. BMC Microbiology, 2009, 9, 54.	3.3	25
23	CyanoFactory, a European consortium to develop technologies needed to advance cyanobacteria as chassis for production of chemicals and fuels. Algal Research, 2019, 41, 101510.	4.6	24
24	Transcription and regulation of the hydrogenase(s) accessory genes, hypFCDEAB, in the cyanobacterium Lyngbya majuscula CCAP 1446/4. Archives of Microbiology, 2007, 188, 609-617.	2.2	22
25	Characterization of ten H2 producing cyanobacteria isolated from the Baltic Sea and Finnish lakes. International Journal of Hydrogen Energy, 2014, 39, 8983-8991.	7.1	19
26	Investigations of Accessibility of T2/T3 Copper Center of Two-Domain Laccase from Streptomyces griseoflavus Ac-993. International Journal of Molecular Sciences, 2019, 20, 3184.	4.1	18
27	Extracellular vesicles as an alternative copper-secretion mechanism in bacteria. Journal of Hazardous Materials, 2022, 431, 128594.	12.4	14
28	Novel Insights into the Regulation of LexA in the Cyanobacterium Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2011, 193, 3804-3814.	2.2	13
29	Extracellular Vesicles: An Overlooked Secretion System in Cyanobacteria. Life, 2020, 10, 129.	2.4	13
30	Untargeted Lipidomics Analysis of the Cyanobacterium Synechocystis sp. PCC 6803: Lipid Composition Variation in Response to Alternative Cultivation Setups and to Gene Deletion. International Journal of Molecular Sciences, 2020, 21, 8883.	4.1	12
31	FtsZ degradation in the cyanobacterium Anabaena sp. strain PCC 7120. Journal of Plant Physiology, 2011, 168, 1934-1942.	3.5	11
32	Cyanobacterial Secretion Systems: Understanding Fundamental Mechanisms Toward Technological Applications. , 2019, , 359-381.		9
33	Absence of KpsM (Slr0977) Impairs the Secretion of Extracellular Polymeric Substances (EPS) and Impacts Carbon Fluxes in Synechocystis sp. PCC 6803. MSphere, 2021, 6, .	2.9	9
34	Expression and activity of heterologous hydroxyisocaproate dehydrogenases in Synechocystis sp. PCC 6803 Î”hoxYH. Engineering Microbiology, 2022, 2, 100008.	4.7	9
35	Light-driven hydroxylation of testosterone by Synechocystis sp. PCC 6803 expressing the heterologous CYP450 monooxygenase CYP110D1. Green Chemistry, 2022, 24, 6156-6167.	9.0	9
36	The secretion signal peptide of the cyanobacterial extracellular protein HesF is located at its C-terminus. FEMS Microbiology Letters, 2017, 364, .	1.8	4

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37	Novel protein carrier system based on cyanobacterial nanoâ€sized extracellular vesicles for application in fish. Microbial Biotechnology, 2022, 15, 2191-2207.	4.2	4
38	Isolation and Characterization of Cyanobacterial Extracellular Vesicles. Journal of Visualized Experiments, 2022, , .	0.3	3
39	The Role of Outer Membrane Protein(s) Harboring SLH/OprB-Domains in Extracellular Vesiclesâ€™ Production in Synechocystis sp. PCC 6803. Plants, 2021, 10, 2757.	3.5	3
40	The role of positive charged residue in the proton-transfer mechanism of two-domain laccase from Streptomyces griseoflavus Ac-993. Journal of Biomolecular Structure and Dynamics, 2022, 40, 8324-8331.	3.5	2
41	H2 Production Using Cyanobacteria/Cyanobacterial Hydrogenases: From Classical to Synthetic Biology Approaches. Advances in Photosynthesis and Respiration, 2014, , 79-99.	1.0	1