Sara B Pereira

List of Publications by Year
in descending order

20 papers	1,413 citations	567281 15 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	1801 citing authors

#	Article	IF	Citations
1	Complexity of cyanobacterial exopolysaccharides: composition, structures, inducing factors and putative genes involved in their biosynthesis and assembly. FEMS Microbiology Reviews, 2009, 33, 917-941.	8.6	522
2	Preparation and characterization of polysaccharides/PVA blend nanofibrous membranes by electrospinning method. Carbohydrate Polymers, 2014, 99, 584-592.	10.2	144
3	Using extracellular polymeric substances (EPS)-producing cyanobacteria for the bioremediation of heavy metals: do cations compete for the EPS functional groups and also accumulate inside the cell?. Microbiology (United Kingdom), 2011, 157, 451-458.	1.8	118
4	Effects of heavy metals on Cyanothece sp. CCY 0110 growth, extracellular polymeric substances (EPS) production, ultrastructure and protein profiles. Journal of Proteomics, 2015, 120, 75-94.	2.4	95
5	Production and characterization of extracellular carbohydrate polymer from Cyanothece sp. CCY 0110. Carbohydrate Polymers, 2013, 92, 1408-1415.	10.2	89
6	Phylum-wide analysis of genes/proteins related to the last steps of assembly and export of extracellular polymeric substances (EPS) in cyanobacteria. Scientific Reports, 2015, 5, 14835.	3.3	85
7	Released polysaccharides (RPS) from Cyanothece sp. CCY 0110 as biosorbent for heavy metals bioremediation: interactions between metals and RPS binding sites. Applied Microbiology and Biotechnology, 2016, 100, 7765-7775.	3.6	72
8	Sheathless Mutant of Cyanobacterium Gloeothece sp. Strain PCC 6909 with Increased Capacity To Remove Copper Ions from Aqueous Solutions. Applied and Environmental Microbiology, 2008, 74, 2797-2804.	3.1	47
9	Strategies to Obtain Designer Polymers Based on Cyanobacterial Extracellular Polymeric Substances (EPS). International Journal of Molecular Sciences, 2019, 20, 5693.	4.1	41
10	Extracellular Proteins: Novel Key Components of Metal Resistance in Cyanobacteria?. Frontiers in Microbiology, 2016, 7, 878.	3.5	37
11	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
12	Assembly and Export of Extracellular Polymeric Substances (EPS) in Cyanobacteria. Advances in Botanical Research, 2013, 65, 235-279.	1.1	28
13	The role of the tyrosine kinase Wzc (Sll0923) and the phosphatase Wzb (Slr0328) in the production of extracellular polymeric substances (EPS) by Synechocystis PCC 6803. MicrobiologyOpen, 2019, 8, e00753.	3.0	26
14	Immunolocalization of the uptake hydrogenase in the marine cyanobacteriumLyngbya majusculaCCAP 1446/4 and twoNostocstrains. FEMS Microbiology Letters, 2009, 292, 57-62.	1.8	25
15	Characterization and antitumor activity of the extracellular carbohydrate polymer from the cyanobacterium Synechocystis Î”sigF mutant. International Journal of Biological Macromolecules, 2019, 136, 1219-1227.	7.5	17
16	Genes involved in the maturation of hydrogenase(s) in the nonheterocystous cyanobacterium Lyngbya majuscula CCAP 1446/4. International Journal of Hydrogen Energy, 2006, 31, 1469-1477.	7.1	13
17	iTRAQ-based quantitative proteomic analysis of Gloeothece sp. PCC 6909: Comparison with its sheathless mutant and adaptations to nitrate deficiency and sulfur limitation. Journal of Proteomics, 2011, 75, 270-283.	2.4	13
18	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

#	Article	IF	Citations
19	Differential proteomes of the cyanobacterium Cyanothece sp. CCY 0110 upon exposure to heavy metals. Data in Brief, 2015, 4, 152-158.	1.0	3
20	Chapter 7 Algal biotechnology. , 2021, , 173-206.		0