

Faustino Merchan

List of Publications by Year in descending order

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19
papers

412
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

566
citing authors

#	ARTICLE	IF	CITATIONS
1	NADP-Malate Dehydrogenase from Unicellular Green Alga <i>Chlamydomonas reinhardtii</i> . A First Step toward Redox Regulation?. <i>Plant Physiology</i> , 2005, 137, 514-521.	4.8	52
2	Essential Role of Cytochrome bd-Related Oxidase in Cyanide Resistance of <i>Pseudomonas pseudoalcaligenes</i> CECT5344. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5118-5124.	3.1	44
3	Study of pH Changes in Media during Bacterial Growth of Several Environmental Strains. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	40
4	Draft whole genome sequence of the cyanide-degrading bacterium <i>Pseudomonas pseudoalcaligenes</i> CECT5344. <i>Environmental Microbiology</i> , 2013, 15, 253-270.	3.8	38
5	Loss of Drop1 expression already at early tumor stages in a wide range of human carcinomas. <i>International Journal of Cancer</i> , 2008, 123, 2048-2056.	5.1	33
6	Cyanide degradation by <i>Pseudomonas pseudoalcaligenes</i> CECT5344 involves a malate:quinone oxidoreductase and an associated cyanide-insensitive electron transfer chain. <i>Microbiology (United Kingdom)</i> 107, 1011-1018.	3.1	31
7	Low-expression genes induced by nitrogen starvation and subsequent sexual differentiation in <i>Chlamydomonas reinhardtii</i> , isolated by the differential display technique. <i>Planta</i> , 2001, 213, 309-317.	3.2	29
8	Cloning and sequencing of the nitrate transport system from the thermophilic, filamentous cyanobacterium <i>Phormidium laminosum</i> : comparative analysis with the homologous system from <i>Synechococcus</i> sp. PCC 7942. <i>Plant Molecular Biology</i> , 1995, 28, 759-766.	3.9	28
9	Complete genome sequence of the cyanide-degrading bacterium <i>Pseudomonas pseudoalcaligenes</i> CECT5344. <i>Journal of Biotechnology</i> , 2014, 175, 67-68.	3.8	28
10	The negative effect of nitrate on gametogenesis is independent of nitrate assimilation in <i>Chlamydomonas reinhardtii</i> . <i>Planta</i> , 2000, 211, 287-292.	3.2	19
11	Characterization of a ferric uptake regulator (Fur)-mutant of the cyanotrophic bacterium <i>Pseudomonas pseudoalcaligenes</i> CECT5344. <i>Journal of Biotechnology</i> , 2014, 190, 2-10.	3.8	19
12	Functional analysis and regulation of the malate synthase from <i>Chlamydomonas reinhardtii</i> . <i>Planta</i> , 2004, 219, 325-331.	3.2	14
13	NADP-malate dehydrogenase from <i>Chlamydomonas</i> : prediction of new structural determinants for redox regulation by homology modelling. <i>Plant Molecular Biology</i> , 2002, 48, 211-221.	3.9	13
14	Metabolic adaptation of <i>Pseudomonas pseudoalcaligenes</i> CECT5344 to cyanide: role of malate:quinone oxidoreductases, aconitase and fumarase isoenzymes. <i>Biochemical Society Transactions</i> , 2011, 39, 1849-1853.	3.4	5
15	New evolving strategies revealed by transcriptomic analysis of a <i>Fur</i> ^Δ mutant of the cyanotrophic bacterium <i>Pseudomonas pseudoalcaligenes</i> CECT5344. <i>Microbial Biotechnology</i> , 2020, 13, 148-161.	4.2	5
16	Isolation, sequence and expression in <i>Escherichia coli</i> of the nitrite reductase gene from the filamentous, thermophilic cyanobacterium <i>Phormidium laminosum</i> . <i>Plant Molecular Biology</i> , 1995, 27, 1037-1042.	3.9	4
17	Role of Fur on cyanide tolerance of <i>Pseudomonas pseudoalcaligenes</i> CECT5344. <i>Biochemical Society Transactions</i> , 2011, 39, 1854-1858.	3.4	4
18	Biodegradation of 5-(Hydroxymethyl)-furfural and Furan Derivatives. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	4

#	ARTICLE	IF	CITATIONS
19	Bacterial Consortia Able to Use Metal-Cyanide Complexes as a Nitrogen Source. Proceedings (mdpi), 2018, 2, .	0.2	1