Ignacio Luque

List of Publications by Year
in descending order

33 papers	1,204 citations	430874 18 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	1285 citing authors

#	Article	IF	Citations
1	Rel/NF-ÎºB and IÎºB factors in oncogenesis. Seminars in Cancer Biology, 1997, 8, 103-111.	9.6	143
2	Interactions between the Nitrogen Signal Transduction Protein PII and N-Acetyl Glutamate Kinase in Organisms That Perform Oxygenic Photosynthesis. Journal of Bacteriology, 2004, 186, 3346-3354.	2.2	111
3	Watering, Fertilization, and Slurry Inoculation Promote Recovery of Biological Crust Function in Degraded Soils. Microbial Ecology, 2006, 52, 365-377.	2.8	84
4	Nitrite reductase gene from Synechococcus sp. PCC 7942: homology between cyanobacterial and higher-plant nitrite reductases. Plant Molecular Biology, 1993, 21, 1201-1205.	3.9	83
5	Characterization of the Response to Zinc Deficiency in the Cyanobacterium Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2012, 194, 2426-2436.	2.2	77
6	Prochlorococcus can use the Pro1404 transporter to take up glucose at nanomolar concentrations in the Atlantic Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8597-8602.	7.1	72
7	Nitrate and nitrite transport in the cyanobacterium Synechococcus sp. PCC 7942 are mediated by the same permease. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1184, 296-298.	1.0	61
8	Convergence of two global transcriptional regulators on nitrogen induction of the stress-acclimation gene nblA in the cyanobacterium Synechococcus sp. PCC 7942. Molecular Microbiology, 2002, 41, 937-947.	2.5	61
9	Clustering of genes involved in nitrate assimilation in the cyanobacterium Synechococcus. Molecular Genetics and Genomics, 1992, 232, 7-11.	2.4	58
10	Specific Role of the Cyanobacterial PipX Factor in the Heterocysts of Anabaena sp. Strain PCC 7120. Journal of Bacteriology, 2011, 193, 1172-1182.	2.2	52
11	RNA isolation from loquat and other recalcitrant woody plants with high quality and yield. Analytical Biochemistry, 2014, 452, 46-53.	2.4	35
12	The NblAI protein from the filamentous cyanobacterium Tolypothrix PCC 7601: regulation of its expression and interactions with phycobilisome components. Molecular Microbiology, 2003, 50, 1043-1054.	2.5	34
13	In vivo activity of the nitrogen control transcription factor NtcA is subjected to metabolic regulation inSynechococcussp. strain PCC 7942. FEMS Microbiology Letters, 2004, 236, 47-52.	1.8	29
14	Distinct Domains of IÎºBÎ± Regulate c-Rel in the Cytoplasm and in the Nucleus. Molecular and Cellular Biology, 1998, 18, 1213-1224.	2.3	25
15	FtsZ of Filamentous, Heterocyst-Forming Cyanobacteria Has a Conserved N-Terminal Peptide Required for Normal FtsZ Polymerization and Cell Division. Frontiers in Microbiology, 2018, 9, 2260.	3.5	24
16	Intraphylum Diversity and Complex Evolution of Cyanobacterial Aminoacyl-tRNA Synthetases. Molecular Biology and Evolution, 2008, 25, 2369-2389.	8.9	23
17	Co-ordinated expression of phycobiliprotein operons in the chromatically adapting cyanobacteriumCalothrixPCC 7601: a role for RcaD and RcaG. Molecular Microbiology, 2002, 43, 749-762.	2.5	19
18	Development and Validation of MRM Methods to Quantify Protein Isoforms of Polyphenol Oxidase in Loquat Fruits. Journal of Proteome Research, 2013, 12, 5709-5722.	3.7	19

#	Article	IF	Citations
19	<scp>Z</scp>ur (<scp>FurB</scp>) is a key factor in the control of the oxidative stress response in <scp>A</scp>nabaena sp. <scp>PCC</scp> 7120. Environmental Microbiology, 2015, 17, 2006-2017.	3.8	19
20	Trans-oligomerization of duplicated aminoacyl-tRNA synthetases maintains genetic code fidelity under stress. Nucleic Acids Research, 2015, 43, gkv1020.	14.5	17
21	Targeted Quantification of Isoforms of a Thylakoid-Bound Protein: MRM Method Development. Methods in Molecular Biology, 2018, 1696, 147-162.	0.9	17
22	Expression of the glutamyl-tRNA synthetase gene from the cyanobacterium Synechococcus sp. PCC 7942 depends on nitrogen availability and the global regulator NtcA. Molecular Microbiology, 2002, 46, 1157-1167.	2.5	16
23	Proteomics of Multigenic Families from Species Underrepresented in Databases: The Case of Loquat (Eriobotrya japonica Lindl.) Polyphenol Oxidases. Journal of Proteome Research, 2008, 7, 4095-4106.	3.7	16
24	Membrane Anchoring of Aminoacyl-tRNA Synthetases by Convergent Acquisition of a Novel Protein Domain. Journal of Biological Chemistry, 2011, 286, 41057-41068.	3.4	15
25	Regulated expression of glutamyl-tRNA synthetase is directed by a mobile genetic element in the cyanobacterium Tolypothrix sp. PCC 7601. Molecular Microbiology, 2006, 60, 1276-1288.	2.5	14
26	In vivo activity of the nitrogen control transcription factor NtcA is subjected to metabolic regulation in Synechococcus sp. strain PCC 7942. FEMS Microbiology Letters, 2004, 236, 47-52.	1.8	14
27	Regulation of Internal Promoters in a Zinc-Responsive Operon Is Influenced by Transcription from Upstream Promoters. Journal of Bacteriology, 2013, 195, 1285-1293.	2.2	13
28	Sub-Cellular Localization and Complex Formation by Aminoacyl-tRNA Synthetases in Cyanobacteria: Evidence for Interaction of Membrane-Anchored ValRS with ATP Synthase. Frontiers in Microbiology, 2016, 7, 857.	3.5	12
29	CURT1,CAAD-containing aaRSs, thylakoid curvature and gene translation. Trends in Plant Science, 2014, 19, 63-66.	8.8	10
30	N-terminal determinants of IÎºBÎ± necessary for the cytoplasmic regulation of c-Rel. Oncogene, 2000, 19, 1239-1244.	5.9	9
31	Role of a cryptic tRNA gene operon in survival under translational stress. Nucleic Acids Research, 2021, 49, 8757-8776.	14.5	8
32	The Inorganic Nutrient Regime and the mre Genes Regulate Cell and Filament Size and Morphology in the Phototrophic Multicellular Bacterium Anabaena. MSphere, 2020, 5, .	2.9	8
33	Mechanisms for Protein Redistribution in Thylakoids of Anabaena During Cell Differentiation. Plant and Cell Physiology, 2018, 59, 1860-1873.	3.1	6