

Luis Lopez-Maury

List of Publications by Year in descending order

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34
papers

2,378
citations

331670

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377865

34
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all docs

37
docs citations

37
times ranked

3689
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning gene expression to changing environments: from rapid responses to evolutionary adaptation. <i>Nature Reviews Genetics</i> , 2008, 9, 583-593.	16.3	857
2	Arsenic Sensing and Resistance System in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 2003, 185, 5363-5371.	2.2	165
3	Metals in Cyanobacteria: Analysis of the Copper, Nickel, Cobalt and Arsenic Homeostasis Mechanisms. <i>Life</i> , 2014, 4, 865-886.	2.4	124
4	A two-component signal transduction system involved in nickel sensing in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Microbiology</i> , 2002, 43, 247-256.	2.5	113
5	A Gene Cluster Involved in Metal Homeostasis in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 2000, 182, 1507-1514.	2.2	97
6	The CopRS Two-Component System Is Responsible for Resistance to Copper in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Physiology</i> , 2012, 159, 1806-1818.	4.8	88
7	The diversity and complexity of the cyanobacterial thioredoxin systems. <i>Photosynthesis Research</i> , 2006, 89, 157-171.	2.9	71
8	The Glutathione/Glutaredoxin System Is Essential for Arsenate Reduction in <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 2009, 191, 3534-3543.	2.2	66
9	Histone H3 Lysine 14 Acetylation Is Required for Activation of a DNA Damage Checkpoint in Fission Yeast. <i>Journal of Biological Chemistry</i> , 2012, 287, 4386-4393.	3.4	65
10	Characterization of an Alcohol Dehydrogenase from the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803 That Responds to Environmental Stress Conditions via the Hik34-Rre1 Two-Component System. <i>Journal of Bacteriology</i> , 2009, 191, 4383-4391.	2.2	55
11	TOR Complex 2 Controls Gene Silencing, Telomere Length Maintenance, and Survival under DNA-Damaging Conditions. <i>Molecular and Cellular Biology</i> , 2009, 29, 4584-4594.	2.3	55
12	Systematic screen for mutants resistant to TORC1 inhibition in fission yeast reveals genes involved in cellular ageing and growth. <i>Biology Open</i> , 2014, 3, 161-171.	1.2	55
13	urg1: A Uracil-Regulatable Promoter System for Fission Yeast with Short Induction and Repression Times. <i>PLoS ONE</i> , 2008, 3, e1428.	2.5	55
14	The Fission Yeast HIRA Histone Chaperone Is Required for Promoter Silencing and the Suppression of Cryptic Antisense Transcripts. <i>Molecular and Cellular Biology</i> , 2009, 29, 5158-5167.	2.3	54
15	Global Transcriptional Profiles of the Copper Responses in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>PLoS ONE</i> , 2014, 9, e108912.	2.5	46
16	Genomic Responses to Arsenic in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>PLoS ONE</i> , 2014, 9, e96826.	2.5	42
17	ArshH from the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 Is an Efficient NADPH-Dependent Quinone Reductase. <i>Biochemistry</i> , 2012, 51, 1178-1187.	2.5	39
18	Redox Regulation of Glycogen Biosynthesis in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803: Analysis of the AGP and Glycogen Synthases. <i>Molecular Plant</i> , 2014, 7, 87-100.	8.3	39

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19	Glutaredoxins are essential for stress adaptation in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Frontiers in Plant Science</i> , 2013, 4, 428.	3.6	38
20	Mfc1 Is a Novel Forespore Membrane Copper Transporter in Meiotic and Sporulating Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 34356-34372.	3.4	36
21	CopM is a novel copper-binding protein involved in copper resistance in <i>Synechocystis</i> sp. PCC 6803. <i>MicrobiologyOpen</i> , 2015, 4, 167-185.	3.0	30
22	Altered nuclear tRNA metabolism in La-deleted <i>Schizosaccharomyces pombe</i> is accompanied by a nutritional stress response involving Atf1p and Pcr1p that is suppressible by Xpo-t/Los1p. <i>Molecular Biology of the Cell</i> , 2012, 23, 480-491.	2.1	21
23	Proteomic pattern alterations of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 in response to cadmium, nickel and cobalt. <i>Journal of Proteomics</i> , 2014, 102, 98-112.	2.4	21
24	A protease-mediated mechanism regulates the cytochrome <i>c</i> ₆ /plastocyanin switch in <i>Synechocystis</i> sp. PCC 6803. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	18
25	Transcriptional and Cellular Responses to Defective Mitochondrial Proteolysis in Fission Yeast. <i>Journal of Molecular Biology</i> , 2011, 408, 222-237.	4.2	17
26	Cuf2 Is a Novel Meiosis-Specific Regulatory Factor of Meiosis Maturation. <i>PLoS ONE</i> , 2012, 7, e36338.	2.5	16
27	Redox control of copper homeostasis in cyanobacteria. <i>Plant Signaling and Behavior</i> , 2012, 7, 1712-1714.	2.4	15
28	Redox, mutagenic and structural studies of the glutaredoxin/arsenate reductase couple from the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 392-403.	2.3	15
29	A New Member of the Thioredoxin Reductase Family from Early Oxygenic Photosynthetic Organisms. <i>Molecular Plant</i> , 2017, 10, 212-215.	8.3	15
30	Unprecedented pathway of reducing equivalents in a diflavin-linked disulfide oxidoreductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12725-12730.	7.1	12
31	A metabolic strategy to enhance long-term survival by Phx1 through stationary phase-specific pyruvate decarboxylases in fission yeast. <i>Aging</i> , 2014, 6, 587-601.	3.1	7
32	Characterization of TrxC, an Atypical Thioredoxin Exclusively Present in Cyanobacteria. <i>Antioxidants</i> , 2018, 7, 164.	5.1	6
33	Ni interferes in the Cu-regulated transcriptional switch <i>petJ/petE</i> in <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Letters</i> , 2016, 590, 3639-3648.	2.8	5
34	Adaptation of cyanobacterial photosynthesis to metal constraints. , 2022, , 109-128.		0