

Fernando P Molina-Heredia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

691
citations

15
h-index

26
g-index

36
ext. papers

764
ext. citations

6.1
avg, IF

3.22
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 30 | Cytochrome cM Is Probably a Membrane Protein Similar to the C Subunit of the Bacterial Nitric Oxide Reductase. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9396 | 2.6 | 1 |
| 29 | Sustaining Rice Production through Biofertilization with N ₂ -Fixing Cyanobacteria. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4628 | 2.6 | 2 |
| 28 | Consortia of Plant-Growth-Promoting Rhizobacteria Isolated from Halophytes Improve Response of Eight Crops to Soil Salinization and Climate Change Conditions. <i>Agronomy</i> , 2021 , 11, 1609 | 3.6 | 7 |
| 27 | Endophytic Colonization of Rice (L.) by the Symbiotic Strain PCC 73102. <i>Molecular Plant-Microbe Interactions</i> , 2020 , 33, 1040-1045 | 3.6 | 8 |
| 26 | Cytochrome c is the main respiratory and photosynthetic soluble electron donor in heterocysts of the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019 , 1860, 60-68 | 4.6 | 8 |
| 25 | Cyt c6-3: A New Isoform of Photosynthetic Cyt c6 Exclusive to Heterocyst-Forming Cyanobacteria. <i>Plant and Cell Physiology</i> , 2017 , 58, 256-265 | 4.9 | 2 |
| 24 | Management of enzyme diversity in high-performance cellulolytic cocktails. <i>Biotechnology for Biofuels</i> , 2017 , 10, 156 | 7.8 | 14 |
| 23 | Recalcitrant carbohydrates after enzymatic hydrolysis of pretreated lignocellulosic biomass. <i>Biotechnology for Biofuels</i> , 2016 , 9, 207 | 7.8 | 17 |
| 22 | Interaction of photosystem I from <i>Phaeodactylum tricornutum</i> with plastocyanins as compared with its native cytochrome c6: Reunion with a lost donor. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 1549-59 | 4.6 | 4 |
| 21 | Photosystem I reduction in diatoms: as complex as the green lineage systems but less efficient. <i>Biochemistry</i> , 2013 , 52, 8687-95 | 3.2 | 8 |
| 20 | Cytochrome c6-like protein as a putative donor of electrons to photosystem I in the cyanobacterium <i>Nostoc</i> sp. PCC 7119. <i>Photosynthesis Research</i> , 2011 , 110, 61-72 | 3.7 | 9 |
| 19 | A novel alpha-amylase from the cyanobacterium <i>Nostoc</i> sp. PCC 7119. <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 131-41 | 5.7 | 4 |
| 18 | Gated electron transfer of cytochrome c6 at biomimetic interfaces: a time-resolved SERR study. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 7390-7 | 3.6 | 23 |
| 17 | Detoxification of superoxide without production of H ₂ O ₂ : antioxidant activity of superoxide reductase complexed with ferrocyanide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 14750-5 | 11.5 | 21 |
| 16 | A comparative kinetic analysis of the reactivity of plant, horse, and human respiratory cytochrome c towards cytochrome c oxidase. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 346, 1108-1114 | 13.4 | 23 |
| 15 | Convergent Evolution of Cytochrome c6 and Plastocyanin 2006 , 683-696 | | 13 |
| 14 | Laser flash-induced kinetic analysis of cytochrome f oxidation by wild-type and mutant plastocyanin from the cyanobacterium <i>Nostoc</i> sp. PCC 7119. <i>Biochemistry</i> , 2005 , 44, 11601-7 | 3.2 | 27 |

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| 13 | NMR analysis of the transient complex between membrane photosystem I and soluble cytochrome c6. <i>Journal of Biological Chemistry</i> , 2005 , 280, 7925-31 | 5.4 | 34 |
| 12 | Structure of superoxide reductase bound to ferrocyanide and active site expansion upon X-ray-induced photo-reduction. <i>Structure</i> , 2004 , 12, 1729-40 | 5.2 | 84 |
| 11 | Redox properties of Arabidopsis cytochrome c6 are independent of the loop extension specific to higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004 , 1657, 115-20 | 4.6 | 11 |
| 10 | A comparative structural and functional analysis of cyanobacterial plastocyanin and cytochrome c (6) as alternative electron donors to Photosystem I. <i>Photosynthesis Research</i> , 2003 , 75, 97-110 | 3.7 | 50 |
| 9 | Photosynthesis: a new function for an old cytochrome?. <i>Nature</i> , 2003 , 424, 33-4 | 50.4 | 79 |
| 8 | An evolutionary analysis of the reaction mechanisms of photosystem I reduction by cytochrome c(6) and plastocyanin. <i>Bioelectrochemistry</i> , 2002 , 55, 41-5 | 5.6 | 57 |
| 7 | The interactions of cyanobacterial cytochrome c6 and cytochrome f, characterized by NMR. <i>Journal of Biological Chemistry</i> , 2002 , 277, 48685-9 | 5.4 | 31 |
| 6 | A comparative structural and functional analysis of cytochrome cM cytochrome c6 and plastocyanin from the cyanobacterium Synechocystis sp. PCC 6803. <i>FEBS Letters</i> , 2002 , 517, 50-4 | 3.8 | 26 |
| 5 | A single arginyl residue in plastocyanin and in cytochrome c(6) from the cyanobacterium Anabaena sp. PCC 7119 is required for efficient reduction of photosystem I. <i>Journal of Biological Chemistry</i> , 2001 , 276, 601-5 | 5.4 | 39 |
| 4 | Site-directed mutagenesis of cytochrome c(6) from Anabaena species PCC 7119. Identification of surface residues of the heme protein involved in photosystem I reduction. <i>Journal of Biological Chemistry</i> , 1999 , 274, 33565-70 | 5.4 | 36 |
| 3 | The reaction mechanism of Photosystem I reduction by plastocyanin and cytochrome c6 follows two different kinetic models in the cyanobacterium Pseudanabaena sp. PCC 6903. <i>Photosynthesis Research</i> , 1998 , 57, 93-100 | 3.7 | 12 |
| 2 | Cloning and correct expression in Escherichia coli of the petE and petJ genes respectively encoding plastocyanin and cytochrome c6 from the cyanobacterium Anabaena sp. PCC 7119. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 243, 302-6 | 3.4 | 39 |
| 1 | From Cytochrome C6 to Plastocyanin. An Evolutionary Approach 1998 , 1499-1504 | | 0 |