

Monica Balsera

List of Publications by Year in descending order

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28
papers

1,035
citations

471509

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docs citations

29
times ranked

1352
citing authors

#	ARTICLE	IF	CITATIONS
1	Unexpected diversity of ferredoxin-dependent thioredoxin reductases in cyanobacteria. <i>Plant Physiology</i> , 2021, 186, 285-296.	4.8	5
2	Thioredoxin Dependent Changes in the Redox States of FurA from <i>Anabaena</i> sp. PCC 7120. <i>Antioxidants</i> , 2021, 10, 913.	5.1	2
3	Atomic Force Microscopy to Elicit Conformational Transitions of Ferredoxin-Dependent Flavin Thioredoxin Reductases. <i>Antioxidants</i> , 2021, 10, 1437.	5.1	22
4	Evolution of the thioredoxin system as a step enabling adaptation to oxidative stress. <i>Free Radical Biology and Medicine</i> , 2019, 140, 28-35.	2.9	77
5	Crystal Structure of the Apo-Form of NADPH-Dependent Thioredoxin Reductase from a Methane-Producing Archaeon. <i>Antioxidants</i> , 2018, 7, 166.	5.1	5
6	Ferredoxin-linked flavoenzyme defines a family of pyridine nucleotide-independent thioredoxin reductases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12967-12972.	7.1	11
7	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
8	A New Member of the Thioredoxin Reductase Family from Early Oxygenic Photosynthetic Organisms. <i>Molecular Plant</i> , 2017, 10, 212-215.	8.3	15
9	Guanine nucleotide binding to the Bateman domain mediates the allosteric inhibition of eukaryotic IMP dehydrogenases. <i>Nature Communications</i> , 2015, 6, 8923.	12.8	63
10	Increased riboflavin production by manipulation of inosine 5- ϵ -monophosphate dehydrogenase in <i>Ashbya gossypii</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9577-9589.	3.6	31
11	An <i>Arabidopsis</i> soluble chloroplast proteomic analysis reveals the participation of the Executer pathway in response to increased light conditions. <i>Journal of Experimental Botany</i> , 2015, 66, 2067-2077.	4.8	43
12	Thioredoxin targets fundamental processes in a methane-producing archaeon, <i>Methanocaldococcus jannaschii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2608-2613.	7.1	41
13	Evolutionary Development of Redox Regulation in Chloroplasts. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1327-1355.	5.4	89
14	Ferredoxin:thioredoxin reductase (FTR) links the regulation of oxygenic photosynthesis to deeply rooted bacteria. <i>Planta</i> , 2013, 237, 619-635.	3.2	31
15	Quaternary Structure of the Oxaloacetate Decarboxylase Membrane Complex and Mechanistic Relationships to Pyruvate Carboxylases. <i>Journal of Biological Chemistry</i> , 2011, 286, 9457-9467.	3.4	15
16	Redox extends its regulatory reach to chloroplast protein import. <i>Trends in Plant Science</i> , 2010, 15, 515-521.	8.8	39
17	Characterization of Tic110, a Channel-forming Protein at the Inner Envelope Membrane of Chloroplasts, Unveils a Response to Ca ²⁺ and a Stromal Regulatory Disulfide Bridge. <i>Journal of Biological Chemistry</i> , 2009, 284, 2603-2616.	3.4	88
18	Protein import machineries in endosymbiotic organelles. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 1903-1923.	5.4	66

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19	Chapter 10 Protein Import in Chloroplasts. <i>Advances in Botanical Research</i> , 2009, , 277-332.	1.1	5
20	Tic62 Redox-regulated Translocon Composition and Dynamics. <i>Journal of Biological Chemistry</i> , 2008, 283, 6656-6667.	3.4	83
21	Tic62: a protein family from metabolism to protein translocation. <i>BMC Evolutionary Biology</i> , 2007, 7, 43.	3.2	45
22	Structure and dynamics of the N-terminal loop of PsbQ from photosystem II of <i>Spinacia oleracea</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 287-291.	2.1	7
23	The 1.49Å... Resolution Crystal Structure of PsbQ from Photosystem II of <i>Spinacia oleracea</i> Reveals a PPII Structure in the N-terminal Region. <i>Journal of Molecular Biology</i> , 2005, 350, 1051-1060.	4.2	60
24	Structural Stability of the PsbQ Protein of Higher Plant Photosystem II. <i>Biochemistry</i> , 2004, 43, 14171-14179.	2.5	4
25	Evolution of oxygenic photosynthesis: genome-wide analysis of the OEC extrinsic proteins. <i>Trends in Plant Science</i> , 2004, 9, 18-25.	8.8	95
26	The single tryptophan of the PsbQ protein of photosystem II is at the end of a 4- α -helical bundle domain. <i>FEBS Journal</i> , 2003, 270, 3916-3927.	0.2	10
27	Structural Analysis of the PsbQ Protein of Photosystem II by Fourier Transform Infrared and Circular Dichroic Spectroscopy and by Bioinformatic Methods. <i>Biochemistry</i> , 2003, 42, 1000-1007.	2.5	22
28	Three-dimensional Electron Cryo-microscopy Study of the Extrinsic Domains of the Oxygen-evolving Complex of Spinach. <i>Journal of Biological Chemistry</i> , 2002, 277, 15006-15012.	3.4	49