

# Isabel A Abreu

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

3,166  
citations

186265

28  
h-index

233421

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

4729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrigendum to: Posttranslational Modification of the NADP-Malic Enzyme Involved in C4 Photosynthesis Modulates the Enzymatic Activity during the Day. <i>Plant Cell</i> , 2022, 34, 698-699.	6.6	0
2	Screening for Abiotic Stress Response in Rice. <i>Methods in Molecular Biology</i> , 2022, 2494, 161-194.	0.9	1
3	Visualization of a curated L. CDPKs Protein-Protein Interaction Network CDPK-OsPPIN.. <i>MicroPublication Biology</i> , 2022, 2022, .	0.1	0
4	Carbon/nitrogen metabolism and stress response networks – calcium-dependent protein kinases as the missing link?. <i>Journal of Experimental Botany</i> , 2021, 72, 4190-4201.	4.8	13
5	Turning the Knobs: The Impact of Post-translational Modifications on Carbon Metabolism. <i>Frontiers in Plant Science</i> , 2021, 12, 781508.	3.6	4
6	Exploring the analytical power of the QTOF MS platform to assess monoclonal antibodies quality attributes. <i>PLoS ONE</i> , 2019, 14, e0219156.	2.5	9
7	Posttranslational Modification of the NADP-Malic Enzyme Involved in C <sub>4</sub> Photosynthesis Modulates the Enzymatic Activity during the Day. <i>Plant Cell</i> , 2019, 31, 2525-2539.	6.6	20
8	Exploring the regulatory levels of SUMOylation to increase crop productivity. <i>Current Opinion in Plant Biology</i> , 2019, 49, 43-51.	7.1	10
9	Goji berries superfood – contributions for the characterisation of proteome and IgE-binding proteins. <i>Food and Agricultural Immunology</i> , 2019, 30, 262-280.	1.4	5
10	Ssu72 phosphatase is a conserved telomere replication terminator. <i>EMBO Journal</i> , 2019, 38, .	7.8	11
11	The interplay between Mn and Fe in <i>Deinococcus radiodurans</i> triggers cellular protection during paraquat-induced oxidative stress. <i>Scientific Reports</i> , 2019, 9, 17217.	3.3	18
12	Synergistic Binding of bHLH Transcription Factors to the Promoter of the Maize NADP-ME Gene Used in C4 Photosynthesis Is Based on an Ancient Code Found in the Ancestral C3 State. <i>Molecular Biology and Evolution</i> , 2018, 35, 1690-1705.	8.9	45
13	The rice cold-responsive calcium-dependent protein kinase OsCPK17 is regulated by alternative splicing and post-translational modifications. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 231-246.	4.1	38
14	Insights into the transcriptional and post-transcriptional regulation of the rice SUMOylation machinery and into the role of two rice SUMO proteases. <i>BMC Plant Biology</i> , 2018, 18, 349.	3.6	18
15	The draft genome sequence of cork oak. <i>Scientific Data</i> , 2018, 5, 180069.	5.3	98
16	Rice calcium-dependent protein kinase OsCPK17 targets plasma membrane intrinsic protein and sucrose-phosphate synthase and is required for a proper cold stress response. <i>Plant, Cell and Environment</i> , 2017, 40, 1197-1213.	5.7	96
17	Genomics of Drought. , 2016, , 85-135.		4
18	Rice phytochrome-interacting factor protein OsPIF14 represses OsDREB1B gene expression through an extended N-box and interacts preferentially with the active form of phytochrome B. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 393-404.	1.9	51

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19	Screening for Abiotic Stress Tolerance in Rice: Salt, Cold, and Drought. <i>Methods in Molecular Biology</i> , 2016, 1398, 155-182.	0.9	48
20	Selection of an Appropriate Protein Extraction Method to Study the Phosphoproteome of Maize Photosynthetic Tissue. <i>PLoS ONE</i> , 2016, 11, e0164387.	2.5	16
21	Dps from <i>Deinococcus radiodurans</i> : oligomeric forms of Dps1 with distinct cellular functions and Dps2 involved in metal storage. <i>FEBS Journal</i> , 2015, 282, 4307-4327.	4.7	30
22	SUMOylation of the brain-predominant Ataxin-3 isoform modulates its interaction with p97. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1950-1959.	3.8	32
23	Expression, purification and crystallization of MnSOD from <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 669-672.	0.8	4
24	A comprehensive assessment of the transcriptome of cork oak ( <i>Quercus suber</i> ) through EST sequencing. <i>BMC Genomics</i> , 2014, 15, 371.	2.8	53
25	Superoxide Dismutases and Superoxide Reductases. <i>Chemical Reviews</i> , 2014, 114, 3854-3918.	47.7	717
26	Coping with abiotic stress: Proteome changes for crop improvement. <i>Journal of Proteomics</i> , 2013, 93, 145-168.	2.4	93
27	Different evolutionary histories of two cation/proton exchanger gene families in plants. <i>BMC Plant Biology</i> , 2013, 13, 97.	3.6	28
28	New allelic variants found in key rice salt tolerance genes: an association study. <i>Plant Biotechnology Journal</i> , 2013, 11, 87-100.	8.3	120
29	Isolation and characterization of rice ( <i>Oryza sativa</i> L.) E3-ubiquitin ligase OsHOS1 gene in the modulation of cold stress response. <i>Plant Molecular Biology</i> , 2013, 83, 351-363.	3.9	36
30	OsRMC, a negative regulator of salt stress response in rice, is regulated by two AP2/ERF transcription factors. <i>Plant Molecular Biology</i> , 2013, 82, 439-455.	3.9	73
31	BIOCHEMICAL AND BIOPHYSICAL CHARACTERIZATION OF RECOMBINANT YEAST PROTEASOME MATURATION FACTOR UMP1. <i>Computational and Structural Biotechnology Journal</i> , 2013, 7, e201304006.	4.1	20
32	Trinucleotide Repeats: A Structural Perspective. <i>Frontiers in Neurology</i> , 2013, 4, 76.	2.4	49
33	XBAT35, a Novel <i>Arabidopsis</i> RING E3 Ligase Exhibiting Dual Targeting of Its Splice Isoforms, Is Involved in Ethylene-Mediated Regulation of Apical Hook Curvature. <i>Molecular Plant</i> , 2012, 5, 1295-1309.	8.3	47
34	Recent Updates on Salinity Stress in Rice: From Physiological to Molecular Responses. <i>Critical Reviews in Plant Sciences</i> , 2011, 30, 329-377.	5.7	178
35	Superoxide dismutases—a review of the metal-associated mechanistic variations. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 263-274.	2.3	413
36	The Kinetic Mechanism of Manganese-Containing Superoxide Dismutase from <i>Deinococcus radiodurans</i> : A Specialized Enzyme for the Elimination of High Superoxide Concentrations. <i>Biochemistry</i> , 2008, 47, 2350-2356.	2.5	32

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37	The <i>Arabidopsis</i> E3 SUMO Ligase SIZ1 Regulates Plant Growth and Drought Responses. <i>Plant Cell</i> , 2007, 19, 2952-2966.	6.6	316
38	Superoxide reduction by <i>Archaeoglobus fulgidus</i> desulfoferrodoxin: comparison with neelaredoxin. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 248-256.	2.6	35
39	Superoxide Reduction Mechanism of <i>Archaeoglobus fulgidus</i> One-Iron Superoxide Reductase. <i>Biochemistry</i> , 2006, 45, 9266-9278.	2.5	45
40	A single mutation in the castor $\Delta^9$ -18:0-desaturase changes reaction partitioning from desaturation to oxidase chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17220-17224.	7.1	30
41	Chemical Activity of Iron in [2Fe-2S]-Protein Centers and FeS <sub>2</sub> (100) Surfaces. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2754-2762.	2.6	18
42	Rubredoxin acts as an electron donor for neelaredoxin in <i>Archaeoglobus fulgidus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 1300-1305.	2.1	32
43	Theoretical Studies of Manganese and Iron Superoxide Dismutases: $\Delta^{\cdot}$ Superoxide Binding and Superoxide Oxidation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24502-24509.	2.6	37
44	A novel iron centre in the split-Soret cytochrome c from <i>Desulfovibrio desulfuricans</i> ATCC 27774. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 360-370.	2.6	20
45	Superoxide scavenging by neelaredoxin: dismutation and reduction activities in anaerobes. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 668-674.	2.6	29
46	The Mechanism of Superoxide Scavenging by <i>Archaeoglobus fulgidus</i> Neelaredoxin. <i>Journal of Biological Chemistry</i> , 2001, 276, 38995-39001.	3.4	39
47	Oxygen detoxification in the strict anaerobic archaeon <i>Archaeoglobus fulgidus</i> : superoxide scavenging by Neelaredoxin. <i>Molecular Microbiology</i> , 2000, 38, 322-334.	2.5	69
48	Nitrite Reductase from <i>Desulfovibrio desulfuricans</i> (ATCC 27774) $\Delta^{\cdot}$ A Heterooligomer Heme Protein with Sulfite Reductase Activity. <i>Biochemical and Biophysical Research Communications</i> , 1996, 224, 611-618.	2.1	62