

Manuel Pineda Priego

List of Publications by Year in descending order

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69
papers

5,365
citations

279487

23
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98622

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70
docs citations

70
times ranked

5300
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrophotometric Quantitation of Antioxidant Capacity through the Formation of a Phosphomolybdenum Complex: Specific Application to the Determination of Vitamin E. <i>Analytical Biochemistry</i> , 1999, 269, 337-341.	1.1	3,789
2	Update on ureide degradation in legumes. <i>Journal of Experimental Botany</i> , 2006, 57, 5-12.	2.4	146
3	Roselle (<i>Hibiscus sabdariffa</i>) Seed Oil Is a Rich Source of α -Tocopherol. <i>Journal of Food Science</i> , 2007, 72, S207-S211.	1.5	113
4	Local inhibition of nitrogen fixation and nodule metabolism in drought-stressed soybean. <i>Journal of Experimental Botany</i> , 2013, 64, 2171-2182.	2.4	101
5	Molecular analysis of ureide accumulation under drought stress in <i>Phaseolus vulgaris</i> L.. <i>Plant, Cell and Environment</i> , 2010, 33, 1828-1837.	2.8	86
6	Nuclear factors interact with conserved A/T-rich elements upstream of a nodule-enhanced glutamine synthetase gene from French bean.. <i>Plant Cell</i> , 1990, 2, 925-939.	3.1	76
7	Purification and characterization of an α -amino-acid oxidase from <i>Chlamydomonas reinhardtii</i> . <i>Planta</i> , 1992, 188, 13-18.	1.6	53
8	Comparison of inhibition of N ₂ fixation and ureide accumulation under water deficit in four common bean genotypes of contrasting drought tolerance. <i>Annals of Botany</i> , 2014, 113, 1071-1082.	1.4	48
9	Urate oxidase of <i>Chlamydomonas reinhardtii</i> . <i>Physiologia Plantarum</i> , 1984, 62, 453-457.	2.6	45
10	Urea Is a Product of Ureidoglycolate Degradation in Chickpea. Purification and Characterization of the Ureidoglycolate Urea-Lyase. <i>Plant Physiology</i> , 2001, 125, 828-834.	2.3	45
11	Developmental effects on ureide levels are mediated by tissue-specific regulation of allantoinase in <i>Phaseolus vulgaris</i> L.. <i>Journal of Experimental Botany</i> , 2012, 63, 4095-4106.	2.4	43
12	Relation between tolerance to ethanol and alcohol dehydrogenase (ADH) activity in <i>Drosophila melanogaster</i> : Selection, genotype and sex effects. <i>Heredity</i> , 1987, 58, 443-450.	1.2	41
13	Degradation of ureidoglycolate in French bean (<i>Phaseolus vulgaris</i>) is catalysed by a ubiquitous ureidoglycolate urea-lyase. <i>Planta</i> , 2006, 224, 175-184.	1.6	40
14	Uricase from leaves: its purification and characterization from three different higher plants. <i>Planta</i> , 1997, 202, 277-283.	1.6	38
15	Antioxidant Capacity of Extracts from Wild and Crop Plants of the Mediterranean Region. <i>Journal of Food Science</i> , 2007, 72, S059-S063.	1.5	37
16	Three genes showing distinct regulatory patterns encode the asparagine synthetase of sunflower (<i>Helianthus annuus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.5	34
17	Nitrogen stress and the expression of asparagine synthetase in roots and nodules of soybean (<i>Glycine max</i>). <i>Physiologia Plantarum</i> , 2008, 133, 736-743.	2.6	34
18	Uptake and metabolism of allantoin and allantoate by cells of <i>Chlamydomonas reinhardtii</i> (Chlorophyceae). <i>European Journal of Phycology</i> , 1998, 33, 57-64.	0.9	29

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19	Purification and molecular properties of urate oxidase from <i>Chlamydomonas reinhardtii</i> . BBA - Proteins and Proteomics, 1991, 1076, 203-208.	2.1	27
20	Cloning, characterization and mRNA expression analysis of PVAS1 , a type I asparagine synthetase gene from <i>Phaseolus vulgaris</i> . Planta, 2001, 213, 402-410.	1.6	27
21	Allantoate Amidinohydrolase (Allantoicase) from <i>Chlamydomonas reinhardtii</i> : Its Purification and Catalytic and Molecular Characterization. Archives of Biochemistry and Biophysics, 2000, 378, 340-348.	1.4	26
22	Isolation and characterization of xanthine dehydrogenase from <i>Chlamydomonas reinhardtii</i> . Physiologia Plantarum, 1988, 72, 101-107.	2.6	24
23	Purification and substrate inactivation of xanthine dehydrogenase from <i>Chlamydomonas reinhardtii</i> . Biochimica Et Biophysica Acta - General Subjects, 1992, 1117, 159-166.	1.1	24
24	Ureide metabolism during seedling development in French bean (<i>Phaseolus vulgaris</i>). Physiologia Plantarum, 2009, 135, 19-28.	2.6	24
25	Tissue abundance and characterization of two purified proteins with allantoinase activity from French bean (<i>Phaseolus vulgaris</i>). Physiologia Plantarum, 2007, 131, 355-366.	2.6	20
26	Biochemical characterisation of an allantoate-degrading enzyme from French bean (<i>Phaseolus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.6	20
27	Elevated CO ₂ concentrations alter nitrogen metabolism and accelerate senescence in sunflower (<i>Helianthus annuus</i> L.) plants. Plant, Soil and Environment, 2013, 59, 303-308.	1.0	20
28	Identification of a novel phosphatase with high affinity for nucleotides monophosphate from common bean (<i>Phaseolus vulgaris</i>). Plant Physiology and Biochemistry, 2012, 53, 54-60.	2.8	19
29	RT-PCR cloning, characterization and mRNA expression analysis of a cDNA encoding a type II asparagine synthetase in common bean. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1445, 75-85.	2.4	18
30	Isolation and characterization of uricase from bean leaves and its comparison with uredospore enzymes. Plant Science, 1999, 147, 139-147.	1.7	18
31	Utilization of adenine and guanine as nitrogen sources by <i>Chlamydomonas reinhardtii</i> cells. Plant, Cell and Environment, 1995, 18, 583-588.	2.8	16
32	The urate uptake system in <i>Chlamydomonas reinhardtii</i> . Biochimica Et Biophysica Acta - Biomembranes, 1985, 820, 95-99.	1.4	15
33	Ammonium regulation of urate uptake in <i>Chlamydomonas reinhardtii</i> . Planta, 1987, 171, 496-500.	1.6	15
34	A Continuous Spectrophotometric Assay for Ureidoglycolase Activity with Lactate Dehydrogenase or Glyoxylate Reductase as Coupling Enzyme. Analytical Biochemistry, 1994, 222, 450-455.	1.1	15
35	On-line HPLC Detection of Tocopherols and Other Antioxidants through the Formation of a Phosphomolybdenum Complex. Journal of Agricultural and Food Chemistry, 2002, 50, 3390-3395.	2.4	15
36	Changes in enzyme activities involved in the degradation of 1,3-bisphosphoglycerate during erythropoiesis in rat bone marrow. Cell Biochemistry and Function, 1984, 2, 254-256.	1.4	14

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37	Kinetic and catalytic characterization of urate oxidase from <i>Chlamydomonas reinhardtii</i> . <i>Journal of Molecular Catalysis</i> , 1992, 77, 353-364.	1.2	12
38	Solubilization and extraction of allantoinase and allantoicase from the green alga <i>Chlamydomonas reinhardtii</i> . <i>Phytochemical Analysis</i> , 1995, 6, 239-243.	1.2	12
39	Functional specialization of one copy of glutamine phosphoribosyl pyrophosphate amidotransferase in ureide production from symbiotically fixed nitrogen in <i>Phaseolus vulgaris</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 1767-1779.	2.8	12
40	Distinction between Hypoxanthine and Xanthine Transport in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 1991, 95, 126-130.	2.3	11
41	FUNCTIONAL CHARACTERIZATION AND EXPRESSION ANALYSIS OF <i>p<i>HYDROXYPHENYLPYRUVATE DIOXYGENASE FROM THE GREEN ALGA<i>CHLAMYDOMONAS REINHARDTII</i> (CHLOROPHYTA)</i> . <i>Journal of Phycology</i> , 2010, 46, 297-308.	1.0	11
42	Relationship between ureidic/amidic metabolism and antioxidant enzymatic activities in legume seedlings. <i>Plant Physiology and Biochemistry</i> , 2019, 138, 1-8.	2.8	11
43	Purification of a functional asparagine synthetase (PVAS2) from common bean (<i>Phaseolus vulgaris</i>), a protein predominantly found in root tissues. <i>Plant Science</i> , 2005, 168, 89-94.	1.7	10
44	Molecular and functional characterization of allantoate amidohydrolase from <i>Phaseolus vulgaris</i> . <i>Physiologia Plantarum</i> , 2014, 152, 43-58.	2.6	10
45	Occurrence of an NADH diaphorase activity associated with xanthine dehydrogenase in <i>Chlamydomonas reinhardtii</i> . <i>FEMS Microbiology Letters</i> , 1987, 43, 321-325.	0.7	9
46	Molecular characterization of PVAS3: An asparagine synthetase gene from common bean prevailing in developing organs. <i>Journal of Plant Physiology</i> , 2013, 170, 1484-1490.	1.6	9
47	Identification and characterization of a gene encoding for a nucleotidase from <i>Phaseolus vulgaris</i> . <i>Journal of Plant Physiology</i> , 2015, 185, 44-51.	1.6	9
48	Transcriptomic Response to Water Deficit Reveals a Crucial Role of Phosphate Acquisition in a Drought-Tolerant Common Bean Landrace. <i>Plants</i> , 2020, 9, 445.	1.6	8
49	Comparative kinetic behaviour and regulation by fructose-1,6-bisphosphate and ATP of pyruvate kinase from erythrocytes, reticulocytes and bone marrow cells. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987, 87, 553-557.	0.2	7
50	Characterization of urease from the phototrophic bacterium <i>Rhodobacter capsulatus</i> E1F1. <i>Current Microbiology</i> , 1993, 27, 119-123.	1.0	7
51	PVAS3, a class-II ubiquitous asparagine synthetase from the common bean (<i>Phaseolus vulgaris</i>). <i>Molecular Biology Reports</i> , 2009, 36, 2249-2258.	1.0	7
52	Differential Regulation of Drought Responses in Two <i>Phaseolus vulgaris</i> Genotypes. <i>Plants</i> , 2020, 9, 1815.	1.6	7
53	Xanthine accumulation and vacuolization in <i>Chlamydomonas reinhardtii</i> cells. <i>Protoplasma</i> , 1995, 186, 93-98.	1.0	6
54	Manganese is essential for activity of allantoate amidohydrolase from <i>Chlamydomonas reinhardtii</i> . <i>Plant Science</i> , 2003, 165, 423-428.	1.7	6

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55	An alternative pathway for ureide usage in legumes: enzymatic formation of a ureidoglycolate adduct in <i>Cicer arietinum</i> and <i>Phaseolus vulgaris</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 307-318.	2.4	6
56	A Procedure for Cloning Genes from Genomic DNA Using Weakly Hybridizing Heterologous Probes and a Polymerase Chain Reaction-Based Screening: Cloning of the Chickpea Urate Oxidase Gene. <i>Analytical Biochemistry</i> , 1997, 244, 167-169.	1.1	5
57	Urate-mediated regulation of urate oxidase in <i>Chlamydomonas reinhardtii</i> . <i>Protoplasma</i> , 1998, 202, 17-22.	1.0	5
58	Urate Oxidase from the Rust <i>Puccinia recondita</i> Is a Heterotetramer with Two Different-Sized Monomers. <i>Current Microbiology</i> , 2002, 44, 257-261.	1.0	5
59	Molecular and biochemical analysis of XDH from <i>Phaseolus vulgaris</i> suggest that uric acid protects the enzyme against the inhibitory effects of nitric oxide in nodules. <i>Plant Physiology and Biochemistry</i> , 2019, 143, 364-374.	2.8	4
60	α-Tocopherol methyltransferase from the green alga <i>Chlamydomonas reinhardtii</i> : functional characterization and expression analysis. <i>Physiologia Plantarum</i> , 2011, 143, 316-328.	2.6	3
61	Biochemical and Molecular Characterization of PvNTD2, a Nucleotidase Highly Expressed in Nodules from <i>Phaseolus vulgaris</i> . <i>Plants</i> , 2020, 9, 171.	1.6	3
62	Homogentisate phytyltransferase from the unicellular green alga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Plant Physiology</i> , 2015, 188, 80-88.	1.6	2
63	Nucleoside Metabolism Is Induced in Common Bean During Early Seedling Development. <i>Frontiers in Plant Science</i> , 2021, 12, 651015.	1.7	2
64	S-Like Ribonuclease T2 Genes Are Induced during Mobilisation of Nutrients in Cotyledons from Common Bean. <i>Agronomy</i> , 2021, 11, 490.	1.3	2
65	Energy-Dependent Transport of Urate and Xanthine in the Unicellular Green Alga <i>Chlamydomonas Reinhardtii</i> . , 1988, , 209-217.		2
66	Structural and genomic organization, cDNA characterization and expression analysis of the urate oxidase gene from chickpea (<i>Cicer arietinum</i>). <i>Physiologia Plantarum</i> , 2004, 121, 358-368.	2.6	1
67	Occurrence of an NADH diaphorase activity associated with xanthine dehydrogenase in <i>Chlamydomonas reinhardtii</i> . <i>FEMS Microbiology Letters</i> , 1987, 43, 321-325.	0.7	1
68	Purification, quantification and gene expression of urate oxidases in rust-infected bean leaves. <i>Physiological and Molecular Plant Pathology</i> , 2002, 61, 141-150.	1.3	0
69	Molecular and biochemical analyses of a novel lectin with MATH domains from <i>Brassica oleracea</i> . <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	0