

Manuel Pineda Priego

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67

papers

4,020

citations

21

h-index

63

g-index

70

ext. papers

4,577

ext. citations

4.5

avg, IF

5.05

L-index

#	Paper	IF	Citations
67	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, 337-41	3.1	2721
66	Update on ureide degradation in legumes. <i>Journal of Experimental Botany</i> , 2006 , 57, 5-12	7	115
65	Roselle (<i>Hibiscus sabdariffa</i>) seed oil is a rich source of gamma-tocopherol. <i>Journal of Food Science</i> , 2007 , 72, S207-11	3.4	84
64	Local inhibition of nitrogen fixation and nodule metabolism in drought-stressed soybean. <i>Journal of Experimental Botany</i> , 2013 , 64, 2171-82	7	80
63	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, 925-39	11.6	72
62	Molecular analysis of ureide accumulation under drought stress in <i>Phaseolus vulgaris</i> L. <i>Plant, Cell and Environment</i> , 2010 , 33, 1828-37	8.4	58
61	Purification and characterization of an amino-acid oxidase from <i>Chlamydomonas reinhardtii</i> . <i>Planta</i> , 1992 , 188, 13-18	4.7	51
60	Urea is a product of ureidoglycolate degradation in chickpea. Purification and characterization of the ureidoglycolate urea-lyase. <i>Plant Physiology</i> , 2001 , 125, 828-34	6.6	44
59	Urate oxidase of <i>Chlamydomonas reinhardtii</i> . <i>Physiologia Plantarum</i> , 1984 , 62, 453-457	4.6	42
58	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, 1071-82	4.1	37
57	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, 4095-106	7	37
56	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 (Pt 3), 443-50	3.6	37
55	Three genes showing distinct regulatory patterns encode the asparagine synthetase of sunflower (<i>Helianthus annuus</i>). <i>New Phytologist</i> , 2002 , 155, 33-45	9.8	34
54	Antioxidant capacity of extracts from wild and crop plants of the Mediterranean region. <i>Journal of Food Science</i> , 2007 , 72, S059-63	3.4	33
53	Uricase from leaves: its purification and characterization from three different higher plants. <i>Planta</i> , 1997 , 202, 277-283	4.7	32
52	Nitrogen stress and the expression of asparagine synthetase in roots and nodules of soybean (<i>Glycine max</i>). <i>Physiologia Plantarum</i> , 2008 , 133, 736-43	4.6	30
51	Degradation of ureidoglycolate in French bean (<i>Phaseolus vulgaris</i>) is catalysed by a ubiquitous ureidoglycolate urea-lyase. <i>Planta</i> , 2006 , 224, 175-84	4.7	30

50	Cloning, characterization and mRNA expression analysis of PVAS1, a type I asparagine synthetase gene from <i>Phaseolus vulgaris</i> . <i>Planta</i> , 2001 , 213, 402-10	4.7	25
49	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	2.2	25
48	Allantoate amidinohydrolase (Allantoicase) from <i>Chlamydomonas reinhardtii</i> : its purification and catalytic and molecular characterization. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 378, 340-8	4.1	24
47	Purification and molecular properties of urate oxidase from <i>Chlamydomonas reinhardtii</i> . <i>BBA - Proteins and Proteomics</i> , 1991 , 1076, 203-8		21
46	Isolation and characterization of xanthine dehydrogenase from <i>Chlamydomonas reinhardtii</i> . <i>Physiologia Plantarum</i> , 1988 , 72, 101-107	4.6	21
45	Ureide metabolism during seedling development in French bean (<i>Phaseolus vulgaris</i>). <i>Physiologia Plantarum</i> , 2009 , 135, 19-28	4.6	20
44	Purification and substrate inactivation of xanthine dehydrogenase from <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1992 , 1117, 159-66	4	20
43	Tissue abundance and characterization of two purified proteins with allantoinase activity from French bean (<i>Phaseolus vulgaris</i>). <i>Physiologia Plantarum</i> , 2007 , 131, 355-66	4.6	18
42	RT-PCR cloning, characterization and mRNA expression analysis of a cDNA encoding a type II asparagine synthetase in common bean. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999 , 1445, 75-85		18
41	Identification of a novel phosphatase with high affinity for nucleotides monophosphate from common bean (<i>Phaseolus vulgaris</i>). <i>Plant Physiology and Biochemistry</i> , 2012 , 53, 54-60	5.4	15
40	Biochemical characterisation of an allantoate-degrading enzyme from French bean (<i>Phaseolus vulgaris</i>): the requirement of phenylhydrazine. <i>Planta</i> , 2007 , 226, 1333-42	4.7	15
39	Elevated CO ₂ concentrations alter nitrogen metabolism and accelerate senescence in sunflower (<i>Helianthus annuus</i> L.) plants . <i>Plant, Soil and Environment</i> , 2013 , 59, 303-308	2.2	14
38	Utilization of adenine and guanine as nitrogen sources by <i>Chlamydomonas reinhardtii</i> cells. <i>Plant, Cell and Environment</i> , 1995 , 18, 583-588	8.4	14
37	Changes in enzyme activities involved in the degradation of 1,3-bisphosphoglycerate during erythropoiesis in rat bone marrow. <i>Cell Biochemistry and Function</i> , 1984 , 2, 254-6	4.2	14
36	On-line HPLC detection of tocopherols and other antioxidants through the formation of a phosphomolybdenum complex. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 3390-5	5.7	13
35	A continuous spectrophotometric assay for ureidoglycolase activity with lactate dehydrogenase or glyoxylate reductase as coupling enzyme. <i>Analytical Biochemistry</i> , 1994 , 222, 450-5	3.1	13
34	Isolation and characterization of uricase from bean leaves and its comparison with uredospore enzymes. <i>Plant Science</i> , 1999 , 147, 139-147	5.3	12
33	The urate uptake system in <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985 , 820, 95-99	3.8	12

32	Ammonium regulation of urate uptake in <i>Chlamydomonas reinhardtii</i> . <i>Planta</i> , 1987 , 171, 496-500	4.7	11
31	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, 1767-79	8.4	11
30	Solubilization and extraction of allantoinase and allantoicase from the green alga <i>Chlamydomonas reinhardtii</i> . <i>Phytochemical Analysis</i> , 1995 , 6, 239-243	3.4	10
29	Kinetic and catalytic characterization of urate oxidase from <i>Chlamydomonas reinhardtii</i> . <i>Journal of Molecular Catalysis</i> , 1992 , 77, 353-364		10
28	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	3.6	9
27	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	5.3	9
26	Distinction between Hypoxanthine and Xanthine Transport in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 1991 , 95, 126-30	6.6	9
25	Molecular characterization of PVAS3: an asparagine synthetase gene from common bean prevailing in developing organs. <i>Journal of Plant Physiology</i> , 2013 , 170, 1484-90	3.6	8
24	FUNCTIONAL CHARACTERIZATION AND EXPRESSION ANALYSIS OF p-HYDROXYPHENYLPYRUVATE DIOXYGENASE FROM THE GREEN ALGA CHLAMYDOMONAS REINHARDTII (CHLOROPHYTA)1. <i>Journal of Phycology</i> , 2010 , 46, 297-308	3	8
23	Molecular and functional characterization of allantoate amidohydrolase from <i>Phaseolus vulgaris</i> . <i>Physiologia Plantarum</i> , 2014 , 152, 43-58	4.6	7
22	PVAS3, a class-II ubiquitous asparagine synthetase from the common bean (<i>Phaseolus vulgaris</i>). <i>Molecular Biology Reports</i> , 2009 , 36, 2249-58	2.8	7
21	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, 553-7		7
20	Occurrence of an NADH diaphorase activity associated with xanthine dehydrogenase in <i>Chlamydomonas reinhardtii</i> . <i>FEMS Microbiology Letters</i> , 1987 , 43, 321-325	2.9	7
19	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, 307-18	7	6
18	Manganese is essential for activity of allantoate amidohydrolase from <i>Chlamydomonas reinhardtii</i> . <i>Plant Science</i> , 2003 , 165, 423-428	5.3	6
17	Characterization of urease from the phototrophic bacterium <i>Rhodobacter capsulatus</i> E1F1. <i>Current Microbiology</i> , 1993 , 27, 119-123	2.4	6
16	Relationship between ureidic/amidic metabolism and antioxidant enzymatic activities in legume seedlings. <i>Plant Physiology and Biochemistry</i> , 2019 , 138, 1-8	5.4	5
15	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, 167-9	3.1	5

14	Urate-mediated regulation of urate oxidase in <i>Chlamydomonas reinhardtii</i> . <i>Protoplasma</i> , 1998 , 202, 17-22	3.4	4
13	Xanthine accumulation and vacuolization in <i>Chlamydomonas reinhardtii</i> cells. <i>Protoplasma</i> , 1995 , 186, 93-98	3.4	4
12	Ethocopherol methyltransferase from the green alga <i>Chlamydomonas reinhardtii</i> : functional characterization and expression analysis. <i>Physiologia Plantarum</i> , 2011 , 143, 316-28	4.6	3
11	Urate oxidase from the rust <i>Puccinia recondita</i> is a heterotetramer with two different-sized monomers. <i>Current Microbiology</i> , 2002 , 44, 257-61	2.4	3
10	Transcriptomic Response to Water Deficit Reveals a Crucial Role of Phosphate Acquisition in a Drought-Tolerant Common Bean Landrace. <i>Plants</i> , 2020 , 9,	4.5	3
9	Biochemical and Molecular Characterization of PvNTD2, a Nucleotidase Highly Expressed in Nodules from. <i>Plants</i> , 2020 , 9,	4.5	2
8	Homogentisate phytyltransferase from the unicellular green alga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Plant Physiology</i> , 2015 , 188, 80-8	3.6	2
7	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	4.6	1
6	S-Like Ribonuclease T2 Genes Are Induced during Mobilisation of Nutrients in Cotyledons from Common Bean. <i>Agronomy</i> , 2021 , 11, 490	3.6	1
5	Energy-Dependent Transport of Urate and Xanthine in the Unicellular Green Alga <i>Chlamydomonas Reinhardtii</i> 1988 , 209-217		1
4	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	5.4	0
3	Nucleoside Metabolism Is Induced in Common Bean During Early Seedling Development. <i>Frontiers in Plant Science</i> , 2021 , 12, 651015	6.2	0
2	Molecular and biochemical analyses of a novel lectin with MATH domains from <i>Brassica oleracea</i> . <i>Acta Physiologiae Plantarum</i> , 2020 , 42, 1	2.6	
1	Purification, quantification and gene expression of urate oxidases in rust-infected bean leaves. <i>Physiological and Molecular Plant Pathology</i> , 2002 , 61, 141-150	2.6	