Manuel Pineda Priego

List of Publications by Year in Descending Order

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	Nucleoside Metabolism Is Induced in Common Bean During Early Seedling Development. *Frontiers in Plant Science*, **2021**, 12, 651015	6.2	0
66	S-Like Ribonuclease T2 Genes Are Induced during Mobilisation of Nutrients in Cotyledons from Common Bean. *Agronomy*, **2021**, 11, 490	3.6	1
65	Biochemical and Molecular Characterization of PvNTD2, a Nucleotidase Highly Expressed in Nodules from. *Plants*, **2020**, 9,	4.5	2
64	Molecular and biochemical analyses of a novel lectin with MATH domains from Brassica oleracea. *Acta Physiologiae Plantarum*, **2020**, 42, 1	2.6	
63	Transcriptomic Response to Water Deficit Reveals a Crucial Role of Phosphate Acquisition in a Drought-Tolerant Common Bean Landrace. *Plants*, **2020**, 9,	4.5	3
62	Molecular and biochemical analysis of XDH from Phaseolus vulgaris suggest that uric acid protects the enzyme against the inhibitory effects of nitric oxide in nodules. *Plant Physiology and Biochemistry*, **2019**, 143, 364-374	5.4	0
61	Relationship between ureidic/amidic metabolism and antioxidant enzymatic activities in legume seedlings. *Plant Physiology and Biochemistry*, **2019**, 138, 1-8	5.4	5
60	Functional specialization of one copy of glutamine phosphoribosyl pyrophosphate amidotransferase in ureide production from symbiotically fixed nitrogen in Phaseolus vulgaris. *Plant, Cell and Environment*, **2016**, 39, 1767-79	8.4	11
59	Identification and characterization of a gene encoding for a nucleotidase from Phaseolus vulgaris. *Journal of Plant Physiology*, **2015**, 185, 44-51	3.6	9
58	Homogentisate phytyltransferase from the unicellular green alga Chlamydomonas reinhardtii. *Journal of Plant Physiology*, **2015**, 188, 80-8	3.6	2
57	Comparison of inhibition of N2 fixation and ureide accumulation under water deficit in four common bean genotypes of contrasting drought tolerance. *Annals of Botany*, **2014**, 113, 1071-82	4.1	37
56	Molecular and functional characterization of allantoate amidohydrolase from Phaseolus vulgaris. *Physiologia Plantarum*, **2014**, 152, 43-58	4.6	7
55	Molecular characterization of PVAS3: an asparagine synthetase gene from common bean prevailing in developing organs. *Journal of Plant Physiology*, **2013**, 170, 1484-90	3.6	8
54	Local inhibition of nitrogen fixation and nodule metabolism in drought-stressed soybean. *Journal of Experimental Botany*, **2013**, 64, 2171-82	7	80
53	Elevated CO2 concentrations alter nitrogen metabolism and accelerate senescence in sunflower (Helianthus annuus L.) plants . *Plant, Soil and Environment*, **2013**, 59, 303-308	2.2	14
52	Identification of a novel phosphatase with high affinity for nucleotides monophosphate from common bean (Phaseolus vulgaris). *Plant Physiology and Biochemistry*, **2012**, 53, 54-60	5.4	15
51	Developmental effects on ureide levels are mediated by tissue-specific regulation of allantoinase in Phaseolus vulgaris L. *Journal of Experimental Botany*, **2012**, 63, 4095-106	7	37

50	□Tocopherol methyltransferase from the green alga Chlamydomonas reinhardtii: functional characterization and expression analysis. *Physiologia Plantarum*, **2011**, 143, 316-28	4.6	3
49	An alternative pathway for ureide usage in legumes: enzymatic formation of a ureidoglycolate adduct in Cicer arietinum and Phaseolus vulgaris. *Journal of Experimental Botany*, **2011**, 62, 307-18	7	6
48	Molecular analysis of ureide accumulation under drought stress in Phaseolus vulgaris L. *Plant, Cell and Environment*, **2010**, 33, 1828-37	8.4	58
47	FUNCTIONAL CHARACTERIZATION AND EXPRESSION ANALYSIS OF p-HYDROXYPHENYLPYRUVATE DIOXYGENASE FROM THE GREEN ALGA CHLAMYDOMONAS REINHARDTII (CHLOROPHYTA)1. *Journal of Phycology*, **2010**, 46, 297-308	3	8
46	PVAS3, a class-II ubiquitous asparagine synthetase from the common bean (Phaseolus vulgaris). *Molecular Biology Reports*, **2009**, 36, 2249-58	2.8	7
45	Ureide metabolism during seedling development in French bean (Phaseolus vulgaris). *Physiologia Plantarum*, **2009**, 135, 19-28	4.6	20
44	Nitrogen stress and the expression of asparagine synthetase in roots and nodules of soybean (Glycine max). *Physiologia Plantarum*, **2008**, 133, 736-43	4.6	30
43	Tissue abundance and characterization of two purified proteins with allantoinase activity from French bean (Phaseolus vulgaris). *Physiologia Plantarum*, **2007**, 131, 355-66	4.6	18
42	Antioxidant capacity of extracts from wild and crop plants of the Mediterranean region. *Journal of Food Science*, **2007**, 72, S059-63	3.4	33
41	Roselle (Hibiscus sabdariffa) seed oil is a rich source of gamma-tocopherol. *Journal of Food Science*, **2007**, 72, S207-11	3.4	84
40	Biochemical characterisation of an allantoate-degrading enzyme from French bean (Phaseolus vulgaris): the requirement of phenylhydrazine. *Planta*, **2007**, 226, 1333-42	4.7	15
39	Update on ureide degradation in legumes. *Journal of Experimental Botany*, **2006**, 57, 5-12	7	115
38	Degradation of ureidoglycolate in French bean (Phaseolus vulgaris) is catalysed by a ubiquitous ureidoglycolate urea-lyase. *Planta*, **2006**, 224, 175-84	4.7	30
37	Purification of a functional asparagine synthetase (PVAS2) from common bean (Phaseolus vulgaris), a protein predominantly found in root tissues. *Plant Science*, **2005**, 168, 89-94	5.3	9
36	Structural and genomic organization, cDNA characterization and expression analysis of the urate oxidase gene from chickpea (Cicer arietinum)□*Physiologia Plantarum*, **2004**, 121, 358-368	4.6	1
35	Manganese is essential for activity of allantoate amidinohydrolase from Chlamydomonas reinhardtii. *Plant Science*, **2003**, 165, 423-428	5.3	6
34	Urate oxidase from the rust Puccinia recondita is a heterotetramer with two different-sized monomers. *Current Microbiology*, **2002**, 44, 257-61	2.4	3
33	Three genes showing distinct regulatory patterns encode the asparagine synthetase of sunflower (Helianthus annuus). *New Phytologist*, **2002**, 155, 33-45	9.8	34

32	On-line HPLC detection of tocopherols and other antioxidants through the formation of a phosphomolybdenum complex. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 3390-5	5.7	13
31	Purification, quantification and gene expression of urate oxidases in rust-infected bean leaves. *Physiological and Molecular Plant Pathology*, **2002**, 61, 141-150	2.6	
30	Cloning, characterization and mRNA expression analysis of PVAS1, a type I asparagine synthetase gene from Phaseolus vulgaris. *Planta*, **2001**, 213, 402-10	4.7	25
29	Urea is a product of ureidoglycolate degradation in chickpea. Purification and characterization of the ureidoglycolate urea-lyase. *Plant Physiology*, **2001**, 125, 828-34	6.6	44
28	Allantoate amidinohydrolase (Allantoicase) from Chlamydomonas reinhardtii: its purification and catalytic and molecular characterization. *Archives of Biochemistry and Biophysics*, **2000**, 378, 340-8	4.1	24
27	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		18
26	Spectrophotometric quantitation of antioxidant capacity through the formation of a phosphomolybdenum complex: specific application to the determination of vitamin E. *Analytical Biochemistry*, **1999**, 269, 337-41	3.1	2721
25	Isolation and characterization of uricase from bean leaves and its comparison with uredospore enzymes. *Plant Science*, **1999**, 147, 139-147	5.3	12
24	Urate-mediated regulation of urate oxidase inChlamydomonas reinhardtii. *Protoplasma*, **1998**, 202, 17-22	3.4	4
23	Uptake and metabolism of allantoin and allantoate by cells of Chlamydomonas reinhardtii (Chlorophyceae). *European Journal of Phycology*, **1998**, 33, 57-64	2.2	25
22	Uricase from leaves: its purification and characterization from three different higher plants. *Planta*, **1997**, 202, 277-283	4.7	32
21	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. *Analytical Biochemistry*, **1997**, 244, 167-9	3.1	5
20	Solubilization and extraction of allantoinase and allantoicase from the green alga Chlamydomonas reinhardtii. *Phytochemical Analysis*, **1995**, 6, 239-243	3.4	10
19	Utilization of adenine and guanine as nitrogen sources by Chlamydomonas reinhardtii cells. *Plant, Cell and Environment*, **1995**, 18, 583-588	8.4	14
18	Xanthine accumulation and vacuolization inChlamydomonas reinhardtii cells. *Protoplasma*, **1995**, 186, 93-98	3.4	4
17	A continuous spectrophotometric assay for ureidoglycolase activity with lactate dehydrogenase or glyoxylate reductase as coupling enzyme. *Analytical Biochemistry*, **1994**, 222, 450-5	3.1	13
16	Characterization of urease from the phototrophic bacteriumRhodobacter capsulatus E1F1. *Current Microbiology*, **1993**, 27, 119-123	2.4	6
15	Purification and substrate inactivation of xanthine dehydrogenase from Chlamydomonas reinhardtii. *Biochimica Et Biophysica Acta - General Subjects*, **1992**, 1117, 159-66	4	20

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14	Purification and characterization of anl-amino-acid oxidase fromChlamydomonas reinhardtii. *Planta* , **1992**, 188, 13-18	4.7	51
13	Kinetic and catalytic characterization of urate oxidase from Chlamydomonas reinhardtii. *Journal of Molecular Catalysis*, **1992**, 77, 353-364		10
12	Purification and molecular properties of urate oxidase from Chlamydomonas reinhardtii. *BBA - Proteins and Proteomics*, **1991**, 1076, 203-8		21
11	Distinction between Hypoxanthine and Xanthine Transport in Chlamydomonas reinhardtii. *Plant Physiology*, **1991**, 95, 126-30	6.6	9
10	Nuclear factors interact with conserved A/T-rich elements upstream of a nodule-enhanced glutamine synthetase gene from French bean. *Plant Cell*, **1990**, 2, 925-39	11.6	72
9	Isolation and characterization of xanthine dehydrogenase from Chlamydomonas reinhardtii. *Physiologia Plantarum*, **1988**, 72, 101-107	4.6	21
8	Energy-Dependent Transport of Urate and Xanthine in the Unicellular Green Alga Chlamydomonas Reinhardtii **1988**, 209-217		1
7	Comparative kinetic behaviour and regulation by fructose-1,6-bisphosphate and ATP of pyruvate kinase from erythrocytes, reticulocytes and bone marrow cells. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1987**, 87, 553-7		7
6	Ammonium regulation of urate uptake in Chlamydomonas reinhardtii. *Planta*, **1987**, 171, 496-500	4.7	11
5	Occurrence of an NADH diaphorase activity associated with xanthine dehydrogenase in Chlamydomonas reinhardtii. *FEMS Microbiology Letters*, **1987**, 43, 321-325	2.9	7
4	Relation between tolerance to ethanol and alcohol dehydrogenase (ADH) activity in Drosophila melanogaster: selection, genotype and sex effects. *Heredity*, **1987**, 58 (Pt 3), 443-50	3.6	37
3	The urate uptake system in Chlamydomonas reinhardtii. *Biochimica Et Biophysica Acta - Biomembranes*, **1985**, 820, 95-99	3.8	12
2	Urate oxidase of Chlamydomonas reinhardii. *Physiologia Plantarum*, **1984**, 62, 453-457	4.6	42
1	Changes in enzyme activities involved in the degradation of 1,3-bisphosphoglycerate during erythropoiesis in rat bone marrow. *Cell Biochemistry and Function*, **1984**, 2, 254-6	4.2	14