Pedro Piedras Montilla

List of Publications by Year
in descending order

37 papers	1,847 citations	516710 16 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	1671 citing authors

#	Article	IF	Citations
1	Nucleoside Metabolism Is Induced in Common Bean During Early Seedling Development. Frontiers in Plant Science, 2021, 12, 651015.	3.6	2
2	S-Like Ribonuclease T2 Genes Are Induced during Mobilisation of Nutrients in Cotyledons from Common Bean. Agronomy, 2021, 11, 490.	3.0	2
3	Nuclease and ribonuclease activities in response to salt stress: Identification of PvRNS3, a T2/S-like ribonuclease induced in common bean radicles by salt stress. Plant Physiology and Biochemistry, 2020, 147, 235-241.	5.8	21
4	Biochemical and Molecular Characterization of PvNTD2, a Nucleotidase Highly Expressed in Nodules from Phaseolus vulgaris. Plants, 2020, 9, 171.	3.5	3
5	Relationship between ureidic/amidic metabolism and antioxidant enzymatic activities in legume seedlings. Plant Physiology and Biochemistry, 2019, 138, 1-8.	5.8	11
6	Nucleases activities during French bean leaf aging and dark-induced senescence. Journal of Plant Physiology, 2017, 218, 235-242.	3.5	16
7	Identification of nucleases related to nutrient mobilization in senescing cotyledons from French bean. Acta Physiologiae Plantarum, 2016, 38, 1.	2.1	10
8	Identification and characterization of a gene encoding for a nucleotidase from Phaseolus vulgaris. Journal of Plant Physiology, 2015, 185, 44-51.	3.5	9
9	Purification and identification of a nuclease activity in embryo axes from French bean. Plant Science, 2014, 224, 137-143.	3.6	15
10	Identification of a novel phosphatase with high affinity for nucleotides monophosphate from common bean (Phaseolus vulgaris). Plant Physiology and Biochemistry, 2012, 53, 54-60.	5.8	19
11	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, 307-318.	4.8	6
12	Ureide metabolism during seedling development in French bean (Phaseolus vulgaris). Physiologia Plantarum, 2009, 135, 19-28.	5.2	24
13	Tissue abundance and characterization of two purified proteins with allantoinase activity from French bean (Phaseolus vulgaris). Physiologia Plantarum, 2007, 131, 355-366.	5.2	20
14	Biochemical characterisation of an allantoate-degrading enzyme from French bean (Phaseolus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	3.2	20
15	Degradation of ureidoglycolate in French bean (Phaseolus vulgaris) is catalysed by a ubiquitous ureidoglycolate urea-lyase. Planta, 2006, 224, 175-184.	3.2	40
16	Update on ureide degradation in legumes. Journal of Experimental Botany, 2006, 57, 5-12.	4.8	146
17	Manganese is essential for activity of allantoate amidinohydrolase from Chlamydomonas reinhardtii. Plant Science, 2003, 165, 423-428.	3.6	6
18	Purification, quantification and gene expression of urate oxidases in rust-infected bean leaves. Physiological and Molecular Plant Pathology, 2002, 61, 141-150.	2.5	0

#	Article	IF	Citations
19	Cloning, characterization and mRNA expression analysis of PVAS1 , a type I asparagine synthetase gene from Phaseolus vulgaris. Planta, 2001, 213, 402-410.	3.2	27
20	Urea Is a Product of Ureidoglycolate Degradation in Chickpea. Purification and Characterization of the Ureidoglycolate Urea-Lyase. Plant Physiology, 2001, 125, 828-834.	4.8	45
21	Resistance Gene-Dependent Activation of a Calcium-Dependent Protein Kinase in the Plant Defense Response. Plant Cell, 2000, 12, 803.	6.6	5
22	Early signalling events in the Avr9/Cf-9-dependent plant defence response. Molecular Plant Pathology, 2000, 1, 3-8.	4.2	12
23	Functional, c-myc-tagged Cf-9 resistance gene products are plasma-membrane localized and glycosylated. Plant Journal, 2000, 21, 529-536.	5.7	51
24	Resistance Gene-Dependent Activation of a Calcium-Dependent Protein Kinase in the Plant Defense Response. Plant Cell, 2000, 12, 803-815.	6.6	253
25	cDNA-AFLP Reveals a Striking Overlap in Race-Specific Resistance and Wound Response Gene Expression Profiles. Plant Cell, 2000, 12, 963.	6.6	2
26	cDNA-AFLP Reveals a Striking Overlap in Race-Specific Resistance and Wound Response Gene Expression Profiles. Plant Cell, 2000, 12, 963-977.	6.6	387
27	Allantoate Amidinohydrolase (Allantoicase) from Chlamydomonas reinhardtii: Its Purification and Catalytic and Molecular Characterization. Archives of Biochemistry and Biophysics, 2000, 378, 340-348.	3.0	26
28	Rapid Avr9- and Cf-9-Dependent Activation of MAP Kinases in Tobacco Cell Cultures and Leaves: Convergence of Resistance Gene, Elicitor, Wound, and Salicylate Responses. Plant Cell, 1999, 11, 273.	6.6	10
29	Rapid Avr9- and Cf-9â€“Dependent Activation of MAP Kinases in Tobacco Cell Cultures and Leaves: Convergence of Resistance Gene, Elicitor, Wound, and Salicylate Responses. Plant Cell, 1999, 11, 273-287.	6.6	458
30	Uptake and metabolism of allantoin and allantoate by cells ofChlamydomonas reinhardtii(Chlorophyceae). European Journal of Phycology, 1998, 33, 57-64.	2.0	29
31	Rapid, Cf-9- and Avr9-Dependent Production of Active Oxygen Species in Tobacco Suspension Cultures. Molecular Plant-Microbe Interactions, 1998, 11, 1155-1166.	2.6	118
32	HOW DO PLANTS RESIST MICROBIAL INFECTION?. Biochemical Society Transactions, 1996, 24, 519S-519S.	3.4	0
33	Solubilization and extraction of allantoinase and allantoicase from the green algaChlamydomonas reinhardtii. Phytochemical Analysis, 1995, 6, 239-243.	2.4	12
34	Utilization of adenine and guanine as nitrogen sources by Chlamydomonas reinhardtii cells. Plant, Cell and Environment, 1995, 18, 583-588.	5.7	16
35	A Continuous Spectrophotometric Assay for Ureidoglycolase Activity with Lactate Dehydrogenase or Glyoxylate Reductase as Coupling Enzyme. Analytical Biochemistry, 1994, 222, 450-455.	2.4	15
36	Purification and characterization of an l-amino-acid oxidase from Chlamydomonas reinhardtii. Planta, 1992, 188, 13-8.	3.2	11

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37	Methyl jasmonate elicitation of common bean seedlings induces nucleotidase activity and the expression of several nucleotidase genes in radicles. Biologia Plantarum, 0, 65, 246-254.	1.9	0