

Pedro Piedras Montilla

List of Publications by Year in descending order

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37
papers

1,847
citations

516710

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37
docs citations

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times ranked

1671
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Plant Cell</i> , 1999, 11, 273-287.	6.6	458
2	cDNA-AFLP Reveals a Striking Overlap in Race-Specific Resistance and Wound Response Gene Expression Profiles. <i>Plant Cell</i> , 2000, 12, 963-977.	6.6	387
3	Resistance Gene-Dependent Activation of a Calcium-Dependent Protein Kinase in the Plant Defense Response. <i>Plant Cell</i> , 2000, 12, 803-815.	6.6	253
4	Update on ureide degradation in legumes. <i>Journal of Experimental Botany</i> , 2006, 57, 5-12.	4.8	146
5	Rapid, Cf-9- and Avr9-Dependent Production of Active Oxygen Species in Tobacco Suspension Cultures. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 1155-1166.	2.6	118
6	Functional, c-myc-tagged Cf-9 resistance gene products are plasma-membrane localized and glycosylated. <i>Plant Journal</i> , 2000, 21, 529-536.	5.7	51
7	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.	4.8	45
8	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.	3.2	40
9	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.	2.0	29
10	Cloning, characterization and mRNA expression analysis of PVAS1, a type I asparagine synthetase gene from <i>Phaseolus vulgaris</i> . <i>Planta</i> , 2001, 213, 402-410.	3.2	27
11	Allantoate Amidinohydrolase (Allantoicase) from <i>Chlamydomonas reinhardtii</i> : Its Purification and Catalytic and Molecular Characterization. <i>Archives of Biochemistry and Biophysics</i> , 2000, 378, 340-348.	3.0	26
12	Ureide metabolism during seedling development in French bean (<i>Phaseolus vulgaris</i>). <i>Physiologia Plantarum</i> , 2009, 135, 19-28.	5.2	24
13	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. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 235-241.	5.8	21
14	Tissue abundance and characterization of two purified proteins with allantoinase activity from French bean (<i>Phaseolus vulgaris</i>). <i>Physiologia Plantarum</i> , 2007, 131, 355-366.	5.2	20
15	Biochemical characterisation of an allantoate-degrading enzyme from French bean (<i>Phaseolus</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10	3.2	20
16	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.	5.8	19
17	Utilization of adenine and guanine as nitrogen sources by <i>Chlamydomonas reinhardtii</i> cells. <i>Plant, Cell and Environment</i> , 1995, 18, 583-588.	5.7	16
18	Nucleases activities during French bean leaf aging and dark-induced senescence. <i>Journal of Plant Physiology</i> , 2017, 218, 235-242.	3.5	16

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19	A Continuous Spectrophotometric Assay for Ureidoglycolase Activity with Lactate Dehydrogenase or Glyoxylate Reductase as Coupling Enzyme. <i>Analytical Biochemistry</i> , 1994, 222, 450-455.	2.4	15
20	Purification and identification of a nuclease activity in embryo axes from French bean. <i>Plant Science</i> , 2014, 224, 137-143.	3.6	15
21	Solubilization and extraction of allantoinase and allantoinase from the green alga <i>Chlamydomonas reinhardtii</i> . <i>Phytochemical Analysis</i> , 1995, 6, 239-243.	2.4	12
22	Early signalling events in the Avr9/Cf-9-dependent plant defence response. <i>Molecular Plant Pathology</i> , 2000, 1, 3-8.	4.2	12
23	Purification and characterization of an l-amino-acid oxidase from <i>Chlamydomonas reinhardtii</i> . <i>Planta</i> , 1992, 188, 13-8.	3.2	11
24	Relationship between ureidic/amidic metabolism and antioxidant enzymatic activities in legume seedlings. <i>Plant Physiology and Biochemistry</i> , 2019, 138, 1-8.	5.8	11
25	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. <i>Plant Cell</i> , 1999, 11, 273.	6.6	10
26	Identification of nucleases related to nutrient mobilization in senescing cotyledons from French bean. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	2.1	10
27	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.	3.5	9
28	Manganese is essential for activity of allantoinase from <i>Chlamydomonas reinhardtii</i> . <i>Plant Science</i> , 2003, 165, 423-428.	3.6	6
29	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.	4.8	6
30	Resistance Gene-Dependent Activation of a Calcium-Dependent Protein Kinase in the Plant Defense Response. <i>Plant Cell</i> , 2000, 12, 803.	6.6	5
31	Biochemical and Molecular Characterization of PvNTD2, a Nucleotidase Highly Expressed in Nodules from <i>Phaseolus vulgaris</i> . <i>Plants</i> , 2020, 9, 171.	3.5	3
32	cDNA-AFLP Reveals a Striking Overlap in Race-Specific Resistance and Wound Response Gene Expression Profiles. <i>Plant Cell</i> , 2000, 12, 963.	6.6	2
33	Nucleoside Metabolism Is Induced in Common Bean During Early Seedling Development. <i>Frontiers in Plant Science</i> , 2021, 12, 651015.	3.6	2
34	S-Like Ribonuclease T2 Genes Are Induced during Mobilisation of Nutrients in Cotyledons from Common Bean. <i>Agronomy</i> , 2021, 11, 490.	3.0	2
35	HOW DO PLANTS RESIST MICROBIAL INFECTION?. <i>Biochemical Society Transactions</i> , 1996, 24, 519S-519S.	3.4	0
36	Purification, quantification and gene expression of urate oxidases in rust-infected bean leaves. <i>Physiological and Molecular Plant Pathology</i> , 2002, 61, 141-150.	2.5	0

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