

Berta Dopico

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52

papers

831

citations

18

h-index

26

g-index

54

ext. papers

898

ext. citations

4.6

avg, IF

3.45

L-index

#	Paper	IF	Citations
52	Cloning and characterization of avocado fruit mRNAs and their expression during ripening and low-temperature storage. <i>Plant Molecular Biology</i> , 1993 , 21, 437-49	4.6	68
51	Partial purification of cell wall β galactosidases from <i>Cicer arietinum</i> epicotyls. Relationship with cell wall autolytic processes. <i>Physiologia Plantarum</i> , 1989 , 75, 458-464	4.6	62
50	Water stress-regulated gene expression in <i>Cicer arietinum</i> seedlings and plants. <i>Plant Physiology and Biochemistry</i> , 2001 , 39, 1017-1026	5.4	55
49	Cloning of a <i>Cicer arietinum</i> beta-galactosidase with pectin-degrading function. <i>Plant and Cell Physiology</i> , 2003 , 44, 718-25	4.9	40
48	In vivo expression of a <i>Cicer arietinum</i> beta-galactosidase in potato tubers leads to a reduction of the galactan side-chains in cell wall pectin. <i>Plant and Cell Physiology</i> , 2005 , 46, 1613-22	4.9	32
47	Cold and salt stress regulates the expression and activity of a chickpea cytosolic Cu/Zn superoxide dismutase. <i>Plant Science</i> , 2002 , 163, 507-514	5.3	32
46	A family of β galactosidase cDNAs related to development of vegetative tissue in <i>Cicer arietinum</i> . <i>Plant Science</i> , 2005 , 168, 457-466	5.3	28
45	Effect of osmotic stress on the growth of epicotyls of <i>Cicer arietinum</i> in relation to changes in cell wall composition. <i>Physiologia Plantarum</i> , 1993 , 87, 552-560	4.6	28
44	Brassinolides promote the expression of a new <i>Cicer arietinum</i> beta-tubulin gene involved in the epicotyl elongation. <i>Plant Molecular Biology</i> , 1998 , 37, 807-17	4.6	26
43	Cell wall localization of the natural substrate of a β galactosidase, the main enzyme responsible for the autolytic process of <i>Cicer arietinum</i> epicotyl cell walls. <i>Physiologia Plantarum</i> , 1990 , 80, 636-641	4.6	24
42	Two growth-related organ-specific cDNAs from <i>Cicer arietinum</i> epicotyls. <i>Plant Molecular Biology</i> , 1997 , 35, 433-42	4.6	23
41	Two cell wall Kunitz trypsin inhibitors in chickpea during seed germination and seedling growth. <i>Plant Physiology and Biochemistry</i> , 2009 , 47, 181-7	5.4	22
40	The gene for a xyloglucan endotransglucosylase/hydrolase from <i>Cicer arietinum</i> is strongly expressed in elongating tissues. <i>Plant Physiology and Biochemistry</i> , 2005 , 43, 169-76	5.4	22
39	Effect of osmotic stress on the growth of epicotyls of <i>Cicer arietinum</i> in relation to changes in the autolytic process and glycanhydrolytic cell wall enzymes. <i>Physiologia Plantarum</i> , 1993 , 87, 544-551	4.6	22
38	Characterization of a cell wall β galactosidase of <i>Cicer arietinum</i> epicotyls involved in cell wall autolysis. <i>Physiologia Plantarum</i> , 1990 , 80, 629-635	4.6	21
37	Brassinolides and IAA induce the transcription of four alpha-expansin genes related to development in <i>Cicer arietinum</i> . <i>Plant Physiology and Biochemistry</i> , 2004 , 42, 709-16	5.4	20
36	Characterization and localization of the cell wall autolysis substrate in <i>Pisum sativum</i> epicotyls. <i>Plant Science</i> , 1986 , 44, 155-161	5.3	20

35	The immunolocation of a xyloglucan endotransglucosylase/hydrolase specific to elongating tissues in <i>Cicer arietinum</i> suggests a role in the elongation of vascular cells. <i>Journal of Experimental Botany</i> , 2006 , 57, 3979-88	7	18
34	A chickpea Kunitz trypsin inhibitor is located in cell wall of elongating seedling organs and vascular tissue. <i>Planta</i> , 2007 , 226, 45-55	4.7	16
33	Transcriptional profiling of cell wall protein genes in chickpea embryonic axes during germination and growth. <i>Plant Physiology and Biochemistry</i> , 2006 , 44, 684-92	5.4	16
32	A cDNA encoding a proline-rich protein from <i>Cicer arietinum</i> . Changes in expression during development and abiotic stresses. <i>Physiologia Plantarum</i> , 1998 , 102, 582-590	4.6	15
31	Immunolocalization of a Cell Wall β -Galactosidase Reveals its Developmentally Regulated Expression in <i>Cicer arietinum</i> and its Relationship to Vascular Tissue. <i>Journal of Plant Growth Regulation</i> , 2008 , 27, 181-191	4.7	15
30	The Location of the Chickpea Cell Wall β -Galactosidase Suggests Involvement in the Transition between Cell Proliferation and Cell Elongation. <i>Journal of Plant Growth Regulation</i> , 2009 , 28, 1-11	4.7	14
29	The accumulation of a Kunitz trypsin inhibitor from chickpea (TPI-2) located in cell walls is increased in wounded leaves and elongating epicotyls. <i>Physiologia Plantarum</i> , 2008 , 132, 306-17	4.6	14
28	Partial purification of cell wall β -galactosidases and β -rabinosidases from <i>Cicer arietinum</i> epicotyls. Relationship with cell wall autolytic processes. <i>Physiologia Plantarum</i> , 1989 , 75, 465-468	4.6	13
27	Changes during epicotyl growth of an autolysis-related β -galactosidase from the cell wall of <i>Cicer arietinum</i> . <i>Plant Science</i> , 1990 , 72, 45-51	5.3	13
26	A seedling specific vegetative lectin gene is related to development in <i>Cicer arietinum</i> . <i>Physiologia Plantarum</i> , 2002 , 114, 619-626	4.6	11
25	β (1,4)-Galactan remodelling in Arabidopsis cell walls affects the xyloglucan structure during elongation. <i>Planta</i> , 2019 , 249, 351-362	4.7	11
24	Promoter activities of genes encoding β -galactosidases from Arabidopsis α 1 subfamily. <i>Plant Physiology and Biochemistry</i> , 2012 , 60, 223-32	5.4	10
23	Effect of low temperature storage and ethylene removal on ripening and gene expression changes in avocado fruit. <i>Postharvest Biology and Technology</i> , 1994 , 4, 331-342	6.2	9
22	Cell wall structure regulates the autolytic process throughout growth of <i>Cicer arietinum</i> epicotyls. <i>Physiologia Plantarum</i> , 1991 , 83, 659-663	4.6	9
21	β -Gal is involved in galactan reduction during phloem element differentiation in chickpea stems. <i>Plant and Cell Physiology</i> , 2013 , 54, 960-70	4.9	8
20	Abscisic acid delays chickpea germination by inhibiting water uptake and down-regulating genes encoding cell wall remodelling proteins. <i>Plant Growth Regulation</i> , 2010 , 61, 175-183	3.2	8
19	Remodelling Pectin Structure In Potato. <i>Developments in Plant Genetics and Breeding</i> , 2000 , 6, 245-256		8
18	Three members of <i>Medicago truncatula</i> ST family are ubiquitous during development and modulated by nutritional status (MtST1) and dehydration (MtST2 and MtST3). <i>BMC Plant Biology</i> , 2017 , 17, 117	5.3	7

17	ST proteins, a new family of plant tandem repeat proteins with a DUF2775 domain mainly found in Fabaceae and Asteraceae. <i>BMC Plant Biology</i> , 2012 , 12, 207	5.3	7
16	The β -galactosidase of <i>Cicer arietinum</i> is located in thickened cell walls such as those of collenchyma, sclerenchyma and vascular tissue. <i>Plant Biology</i> , 2011 , 13, 777-83	3.7	7
15	The immunolocalization of XTH1 in embryonic axes during chickpea germination and seedling growth confirms its function in cell elongation and vascular differentiation. <i>Journal of Experimental Botany</i> , 2010 , 61, 4231-8	7	7
14	Knockout mutants of <i>Arabidopsis thaliana</i> β -galactosidase. Modifications in the cell wall saccharides and enzymatic activities. <i>Biologia Plantarum</i> , 2018 , 62, 80-88	2.1	6
13	Expression of a novel chickpea Rab-GDI cDNA mainly in seedlings. <i>Plant Physiology and Biochemistry</i> , 2001 , 39, 363-366	5.4	6
12	Increased expression of two cDNAs encoding metallothionein-like proteins during growth of <i>Cicer arietinum</i> epicotyls. <i>Physiologia Plantarum</i> , 1998 , 104, 273-279	4.6	5
11	Characterization, Hydrolytic Activity and Variations throughout Growth of a Cell Wall β -Glucosidase and α -Galactosidase from <i>Cicer arietinum</i> epicotyls. <i>Journal of Plant Physiology</i> , 1991 , 137, 477-482	3.6	5
10	Subcellular location of <i>Arabidopsis thaliana</i> subfamily a1 β -galactosidases and developmental regulation of transcript levels of their coding genes. <i>Plant Physiology and Biochemistry</i> , 2016 , 109, 137-145	5.4	5
9	Pectic galactan affects cell wall architecture during secondary cell wall deposition. <i>Planta</i> , 2020 , 251, 100	4.7	4
8	Coordinated action of β -galactosidases in the cell wall of embryonic axes during chickpea germination and seedling growth. <i>Plant Biology</i> , 2014 , 16, 404-10	3.7	4
7	Three members of <i>Medicago truncatula</i> ST family (MtST4, MtST5 and MtST6) are specifically induced by hormones involved in biotic interactions. <i>Plant Physiology and Biochemistry</i> , 2018 , 127, 496-505	5.4	3
6	Organ accumulation and subcellular location of <i>Cicer arietinum</i> ST1 protein. <i>Plant Science</i> , 2014 , 224, 44-53	5.3	3
5	The expression of a new <i>Cicer arietinum</i> cDNA, encoding a glutamic acid-rich protein, is related to development. <i>Journal of Plant Physiology</i> , 2002 , 159, 1375-1381	3.6	3
4	Effect of osmotic stress on the growth of epicotyls of <i>Cicer arietinum</i> in relation to changes in the autolytic process and glycanhydrolytic cell wall enzymes. <i>Physiologia Plantarum</i> , 1993 , 87, 544-551	4.6	2
3	Promoter activity of genes encoding the Specific Tissue protein family in the reproductive organs of <i>Medicago truncatula</i> . <i>Biologia Plantarum</i> , 63 , 785-796	2.1	1
2	Overexpression of <i>Cicer arietinum</i> III-Gal but not IV-Gal in arabidopsis causes a reduction of cell wall β (1,4)-galactan compensated by an increase in homogalacturonan. <i>Journal of Plant Physiology</i> , 2018 , 231, 135-146	3.6	1
1	Specific tissue proteins 1 and 6 are involved in root biology during normal development and under symbiotic and pathogenic interactions in <i>Medicago truncatula</i> . <i>Planta</i> , 2021 , 253, 7	4.7	0