Berta Dopico

List of Publications by Year in Descending Order

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	Specific tissue proteins 1 and 6 are involved in root biology during normal development and under symbiotic and pathogenic interactions in Medicago truncatula. *Planta*, **2021**, 253, 7	4.7	0
51	Pectic galactan affects cell wall architecture during secondary cell wall deposition. *Planta*, **2020**, 251, 100	4.7	4
50	(1,4)-Galactan remodelling in Arabidopsis cell walls affects the xyloglucan structure during elongation. *Planta*, **2019**, 249, 351-362	4.7	11
49	Three members of Medicago truncatula ST family (MtST4, MtST5 and MtST6) are specifically induced by hormones involved in biotic interactions. *Plant Physiology and Biochemistry*, **2018**, 127, 496-505	5.4	3
48	Knockout mutants of Arabidopsis thaliana galactosidase. Modifications in the cell wall saccharides and enzymatic activities. *Biologia Plantarum*, **2018**, 62, 80-88	2.1	6
47	Overexpression of Cicer arietinum II-Gal but not IV-Gal in arabidopsis causes a reduction of cell wall (1,4)-galactan compensated by an increase in homogalacturonan. *Journal of Plant Physiology*, **2018**, 231, 135-146	3.6	1
46	Three members of Medicago truncatula ST family are ubiquitous during development and modulated by nutritional status (MtST1) and dehydration (MtST2 and MtST3). *BMC Plant Biology*, **2017**, 17, 117	5.3	7
45	Subcellular location of Arabidopsis thaliana subfamily a1 galactosidases and developmental regulation of transcript levels of their coding genes. *Plant Physiology and Biochemistry*, **2016**, 109, 137-145	5.4	5
44	Coordinated action of galactosidases in the cell wall of embryonic axes during chickpea germination and seedling growth. *Plant Biology*, **2014**, 16, 404-10	3.7	4
43	Organ accumulation and subcellular location of Cicer arietinum ST1 protein. *Plant Science*, **2014**, 224, 44-53	5.3	3
42	II-Gal is involved in galactan reduction during phloem element differentiation in chickpea stems. *Plant and Cell Physiology*, **2013**, 54, 960-70	4.9	8
41	ST proteins, a new family of plant tandem repeat proteins with a DUF2775 domain mainly found in Fabaceae and Asteraceae. *BMC Plant Biology*, **2012**, 12, 207	5.3	7
40	Promoter activities of genes encoding galactosidases from Arabidopsis a1 subfamily. *Plant Physiology and Biochemistry*, **2012**, 60, 223-32	5.4	10
39	The galactosidase of Cicer arietinum is located in thickened cell walls such as those of collenchyma, sclerenchyma and vascular tissue. *Plant Biology*, **2011**, 13, 777-83	3.7	7
38	The immunolocation of XTH1 in embryonic axes during chickpea germination and seedling growth confirms its function in cell elongation and vascular differentiation. *Journal of Experimental Botany*, **2010**, 61, 4231-8	7	7
37	Abscisic acid delays chickpea germination by inhibiting water uptake and down-regulating genes encoding cell wall remodelling proteins. *Plant Growth Regulation*, **2010**, 61, 175-183	3.2	8
36	The Location of the Chickpea Cell Wall V-Galactosidase Suggests Involvement in the Transition between Cell Proliferation and Cell Elongation. *Journal of Plant Growth Regulation*, **2009**, 28, 1-11	4.7	14

35	Two cell wall Kunitz trypsin inhibitors in chickpea during seed germination and seedling growth. *Plant Physiology and Biochemistry*, **2009**, 47, 181-7	5.4	22
34	The accumulation of a Kunitz trypsin inhibitor from chickpea (TPI-2) located in cell walls is increased in wounded leaves and elongating epicotyls. *Physiologia Plantarum*, **2008**, 132, 306-17	4.6	14
33	Immunolocalization of a Cell Wall Galactosidase Reveals its Developmentally Regulated Expression in Cicer arietinum and its Relationship to Vascular Tissue. *Journal of Plant Growth Regulation*, **2008**, 27, 181-191	4.7	15
32	A chickpea Kunitz trypsin inhibitor is located in cell wall of elongating seedling organs and vascular tissue. *Planta*, **2007**, 226, 45-55	4.7	16
31	Transcriptional profiling of cell wall protein genes in chickpea embryonic axes during germination and growth. *Plant Physiology and Biochemistry*, **2006**, 44, 684-92	5.4	16
30	The immunolocation of a xyloglucan endotransglucosylase/hydrolase specific to elongating tissues in Cicer arietinum suggests a role in the elongation of vascular cells. *Journal of Experimental Botany*, **2006**, 57, 3979-88	7	18
29	A family of galactosidase cDNAs related to development of vegetative tissue in Cicer arietinum. *Plant Science*, **2005**, 168, 457-466	5.3	28
28	The gene for a xyloglucan endotransglucosylase/hydrolase from Cicer arietinum is strongly expressed in elongating tissues. *Plant Physiology and Biochemistry*, **2005**, 43, 169-76	5.4	22
27	In vivo expression of a Cicer arietinum beta-galactosidase in potato tubers leads to a reduction of the galactan side-chains in cell wall pectin. *Plant and Cell Physiology*, **2005**, 46, 1613-22	4.9	32
26	Brassinolides and IAA induce the transcription of four alpha-expansin genes related to development in Cicer arietinum. *Plant Physiology and Biochemistry*, **2004**, 42, 709-16	5.4	20
25	Cloning of a Cicer arietinum beta-galactosidase with pectin-degrading function. *Plant and Cell Physiology*, **2003**, 44, 718-25	4.9	40
24	A seedling specific vegetative lectin gene is related to development in Cicer arietinum. *Physiologia Plantarum*, **2002**, 114, 619-626	4.6	11
23	The expression of a newCicer arietinum cDNA, encoding a glutamic acid-rich protein, is related to development. *Journal of Plant Physiology*, **2002**, 159, 1375-1381	3.6	3
22	Cold and salt stress regulates the expression and activity of a chickpea cytosolic Cu/Zn superoxide dismutase. *Plant Science*, **2002**, 163, 507-514	5.3	32
21	Expression of a novel chickpea Rab-GDI cDNA mainly in seedlings. *Plant Physiology and Biochemistry* , **2001**, 39, 363-366	5.4	6
20	Water stress-regulated gene expression in Cicer arietinum seedlings and plants. *Plant Physiology and Biochemistry*, **2001**, 39, 1017-1026	5.4	55
19	Remodelling Pectin Structure In Potato. *Developments in Plant Genetics and Breeding*, **2000**, 6, 245-256		8
18	Brassinolides promote the expression of a new Cicer arietinum beta-tubulin gene involved in the epicotyl elongation. *Plant Molecular Biology*, **1998**, 37, 807-17	4.6	26

17	A cDNA encoding a proline-rich protein from Cicer arietinum. Changes in expression during development and abiotic stresses. *Physiologia Plantarum*, **1998**, 102, 582-590	4.6	15
16	Increased expression of two cDNAs encoding metallothionein-like proteins during growth of Cicer arietinum epicotyls. *Physiologia Plantarum*, **1998**, 104, 273-279	4.6	5
15	Two growth-related organ-specific cDNAs from Cicer arietinum epicotyls. *Plant Molecular Biology*, **1997**, 35, 433-42	4.6	23
14	Effect of low temperature storage and ethylene removal on ripening and gene expression changes in avocado fruit. *Postharvest Biology and Technology*, **1994**, 4, 331-342	6.2	9
13	Cloning and characterization of avocado fruit mRNAs and their expression during ripening and low-temperature storage. *Plant Molecular Biology*, **1993**, 21, 437-49	4.6	68
12	Effect of osmotic stress on the growth of epicotyls of Cicer arietinum in relation to changes in cell wall composition. *Physiologia Plantarum*, **1993**, 87, 552-560	4.6	28
11	Effect of osmotic stress on the growth of epicotyls of Cicer arietinum in relation to changes in the autolytic process and glycanhydrolytic cell wall enzymes. *Physiologia Plantarum*, **1993**, 87, 544-551	4.6	22
10	Effect of osmotic stress on the growth of epicotyls of Cicer arietinum in relation to changes in the autolytic process and glycanhydrolytic cell wall enzymes. *Physiologia Plantarum*, **1993**, 87, 544-551	4.6	2
9	Cell wall structure regulates the autolytic process throughout growth of Cicer arietinum epicotyls. *Physiologia Plantarum*, **1991**, 83, 659-663	4.6	9
8	Characterization, Hydrolytic Activity and Variations throughout Growth of a Cell Wall □Glucosidase and a-Galactosidase from Cicer arietinum epicotyls. *Journal of Plant Physiology*, **1991**, 137, 477-482	3.6	5
7	Characterization of a cell wall □galactosidase of Cicer arietinum epicotyls involved in cell wall autolysis. *Physiologia Plantarum*, **1990**, 80, 629-635	4.6	21
6	Cell wall localization of the natural substrate of a □galactosidase, the main enzyme responsible for the autolytic process of Cicer arietinum epicotyl cell walls. *Physiologia Plantarum*, **1990**, 80, 636-641	4.6	24
5	Changes during epicotyl growth of an autolysis-related □galactosidase from the cell wall of Cicer arietinum. *Plant Science*, **1990**, 72, 45-51	5.3	13
4	Partial purification of cell wall □galactosidases from Cicer arietinum epicotyls. Relationship with cell wall autolytic processes. *Physiologia Plantarum*, **1989**, 75, 458-464	4.6	62
3	Partial purification of cell wall □galactosidases and □arabinosidases from Cicer arietinum epicotyls. Relationship with cell wall autolytic processes. *Physiologia Plantarum*, **1989**, 75, 465-468	4.6	13
2	Characterization and localization of the cell wall autolysis substrate in Pisum sativum epicotyls. *Plant Science*, **1986**, 44, 155-161	5.3	20
1	Promoter activity of genes encoding the Specific Tissue protein family in the reproductive organs of Medicago truncatula. *Biologia Plantarum*,63, 785-796	2.1	1