Eduardo Blumwald

List of Publications by Year in Descending Order

167 papers	19,674 citations	65 h-index	140 g-index
173 ext. papers	22,742 ext. citations	6.3 avg, IF	7.16 L-index

#	Paper	IF	Citations
167	Changes in ethylene and sugar metabolism regulate flavonoid composition in climacteric and non-climacteric plums during postharvest storage.. *Food Chemistry Molecular Sciences*, **2022**, 4, 100075	1	1
166	Haploidy and aneuploidy in switchgrass mediated by misexpression of CENH3.. *Plant Genome*, **2022**, e20209	4.4	1
165	An isopentenyl transferase transgenic wheat isoline exhibits less seminal root growth impairment and a differential metabolite profile under Cd stress. *Physiologia Plantarum*, **2021**, 173, 223-234	4.6	2
164	The Antifungal Activity of HMA, an Amiloride Analog and Inhibitor of Na/H Exchangers. *Frontiers in Microbiology*, **2021**, 12, 673035	5.7	0
163	Stress-induced expression of IPT gene in transgenic wheat reduces grain yield penalty under drought. *Journal of Genetic Engineering and Biotechnology*, **2021**, 19, 67	3.1	1
162	Cell-Type-Specific Proteomics Analysis of a Small Number of Plant Cells by Integrating Laser Capture Microdissection with a Nanodroplet Sample Processing Platform. *Current Protocols*, **2021**, 1, e153		3
161	Rational design and testing of abiotic stress-inducible synthetic promoters from poplar cis-regulatory elements. *Plant Biotechnology Journal*, **2021**, 19, 1354-1369	11.6	7
160	Developing climate-resilient crops: improving plant tolerance to stress combination. *Plant Journal*, **2021**,	6.9	20
159	Correlation-based network analysis combined with machine learning techniques highlight the role of the GABA shunt in Brachypodium sylvaticum freezing tolerance. *Scientific Reports*, **2020**, 10, 4489	4.9	8
158	Silencing of OsCV (chloroplast vesiculation) maintained photorespiration and N assimilation in rice plants grown under elevated CO. *Plant, Cell and Environment*, **2020**, 43, 920-933	8.4	8
157	Auxin Homeostasis and Distribution of the Auxin Efflux Carrier PIN2 Require Vacuolar NHX-Type Cation/H Antiporter Activity. *Plants*, **2020**, 9,	4.5	2
156	A Cytoplasmic Receptor-like Kinase Contributes to Salinity Tolerance. *Plants*, **2020**, 9,	4.5	3
155	Combined network analysis and machine learning allows the prediction of metabolic pathways from tomato metabolomics data. *Communications Biology*, **2019**, 2, 214	6.7	40
154	Ethylene Response of Plum ACC Synthase 1 (ACS1) Promoter is Mediated through the Binding Site of Abscisic Acid Insensitive 5 (ABI5). *Plants*, **2019**, 8,	4.5	7
153	Overexpression of PbrNHX2 gene, a Na/H antiporter gene isolated from Pyrus betulaefolia, confers enhanced tolerance to salt stress via modulating ROS levels. *Plant Science*, **2019**, 285, 14-25	5.3	11
152	A Genetic Algorithm to Optimize Weighted Gene Co-Expression Network Analysis. *Journal of Computational Biology*, **2019**, 26, 1349-1366	1.7	10
151	Primary Metabolism in Citrus Fruit as Affected by Its Unique Structure. *Frontiers in Plant Science*, **2019**, 10, 1167	6.2	25

150	Imaging Salt Uptake Dynamics in Plants Using PET. *Scientific Reports*, **2019**, 9, 18626	4.9	10
149	Hormone balance in a climacteric plum fruit and its non-climacteric bud mutant during ripening. *Plant Science*, **2019**, 280, 51-65	5.3	14
148	IDD16 negatively regulates stomatal initiation via trans-repression of SPCH in Arabidopsis. *Plant Biotechnology Journal*, **2019**, 17, 1446-1457	11.6	12
147	Cation Specificity of Vacuolar NHX-Type Cation/H Antiporters. *Plant Physiology*, **2019**, 179, 616-629	6.6	57
146	Coordinating the overall stomatal response of plants: Rapid leaf-to-leaf communication during light stress. *Science Signaling*, **2018**, 11,	8.8	93
145	Ethylene regulation of sugar metabolism in climacteric and non-climacteric plums. *Postharvest Biology and Technology*, **2018**, 139, 20-30	6.2	39
144	Salt tolerance of two perennial grass Brachypodium sylvaticum accessions. *Plant Molecular Biology*, **2018**, 96, 305-314	4.6	3
143	Two NHX-type transporters from Helianthus tuberosus improve the tolerance of rice to salinity and nutrient deficiency stress. *Plant Biotechnology Journal*, **2018**, 16, 310-321	11.6	44
142	Stress-induced senescence and plant tolerance to abiotic stress. *Journal of Experimental Botany*, **2018**, 69, 845-853	7	95
141	Delaying chloroplast turnover increases water-deficit stress tolerance through the enhancement of nitrogen assimilation in rice. *Journal of Experimental Botany*, **2018**, 69, 867-878	7	22
140	Effects of Short-Term Biosolarization Using Mature Compost and Industrial Tomato Waste Amendments on the Generation and Persistence of Biocidal Soil Conditions and Subsequent Tomato Growth. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 5451-5461	5.7	8
139	Unique Physiological and Transcriptional Shifts under Combinations of Salinity, Drought, and Heat. *Plant Physiology*, **2017**, 174, 421-434	6.6	60
138	Imaging Salt Transport in Plants Using PET: A Feasibility Study **2017**,		1
137	Involvement of SchRabGDI1 from Solanum chilense in endocytic trafficking and tolerance to salt stress. *Plant Science*, **2017**, 263, 1-11	5.3	9
136	Reactive oxygen species, abiotic stress and stress combination. *Plant Journal*, **2017**, 90, 856-867	6.9	1026
135	Generation of Octaploid Switchgrass by Seedling Treatment with Mitotic Inhibitors. *Bioenergy Research*, **2017**, 10, 344-352	3.1	5
134	Sugar metabolism reprogramming in a non-climacteric bud mutant of a climacteric plum fruit during development on the tree. *Journal of Experimental Botany*, **2017**, 68, 5813-5828	7	29
133	Spike-Dip Transformation Method of Setaria viridis. *Plant Genetics and Genomics: Crops and Models*, **2017**, 357-369	0.2	1

132	Effects of abiotic stress on physiological plasticity and water use of Setaria viridis (L.). *Plant Science*, **2016**, 251, 128-138	5.3	39
131	Water deficit stress tolerance in maize conferred by expression of an isopentenyltransferase (IPT) gene driven by a stress- and maturation-induced promoter. *Journal of Biotechnology*, **2016**, 220, 66-77	3.7	33
130	Water deficit stress-induced changes in carbon and nitrogen partitioning in Chenopodium quinoa Willd. *Planta*, **2016**, 243, 591-603	4.7	29
129	ABA Is Required for Plant Acclimation to a Combination of Salt and Heat Stress. *PLoS ONE*, **2016**, 11, e0147625	3.7	149
128	Spike-dip transformation of Setaria viridis. *Plant Journal*, **2016**, 86, 89-101	6.9	45
127	Copper stress in grapevine **2016**, 299-319		
126	Different characteristics of high yield formation between inbred japonica super rice and inter-sub-specific hybrid super rice. *Field Crops Research*, **2016**, 198, 179-187	5.5	32
125	RNA-Seq Analysis of Spatiotemporal Gene Expression Patterns During Fruit Development Reveals Reference Genes for Transcript Normalization in Plums. *Plant Molecular Biology Reporter*, **2015**, 33, 1634-1649	1.7	21
124	The roles of ROS and ABA in systemic acquired acclimation. *Plant Cell*, **2015**, 27, 64-70	11.6	335
123	The rice transcription factor OsWRKY47 is a positive regulator of the response to water deficit stress. *Plant Molecular Biology*, **2015**, 88, 401-13	4.6	52
122	pH Regulation by NHX-Type Antiporters Is Required for Receptor-Mediated Protein Trafficking to the Vacuole in Arabidopsis. *Plant Cell*, **2015**, 27, 1200-17	11.6	89
121	Polyols in grape berry: transport and metabolic adjustments as a physiological strategy for water-deficit stress tolerance in grapevine. *Journal of Experimental Botany*, **2015**, 66, 889-906	7	69
120	Non-climacteric ripening and sorbitol homeostasis in plum fruits. *Plant Science*, **2015**, 231, 30-9	5.3	27
119	Co-overexpression of AVP1 and AtNHX1 in Cotton Further Improves Drought and Salt Tolerance in Transgenic Cotton Plants. *Plant Molecular Biology Reporter*, **2015**, 33, 167-177	1.7	54
118	Targeting Hormone-Related Pathways to Improve Grain Yield in Rice: A Chemical Approach. *PLoS ONE*, **2015**, 10, e0131213	3.7	14
117	Molecular characterization of SQUAMOSA PROMOTER BINDING PROTEIN-LIKE (SPL) gene family from Citrus and the effect of fruit load on their expression. *Frontiers in Plant Science*, **2015**, 6, 389	6.2	27
116	Abiotic and biotic stress combinations. *New Phytologist*, **2014**, 203, 32-43	9.8	930
115	Fruit load induces changes in global gene expression and in abscisic acid (ABA) and indole acetic acid (IAA) homeostasis in citrus buds. *Journal of Experimental Botany*, **2014**, 65, 3029-44	7	45

114	Copper homeostasis in grapevine: functional characterization of the Vitis vinifera copper transporter 1. *Planta*, **2014**, 240, 91-101	4.7	25
113	Metabolic changes of Vitis vinifera berries and leaves exposed to Bordeaux mixture. *Plant Physiology and Biochemistry*, **2014**, 82, 270-8	5.4	28
112	The ins and outs of intracellular ion homeostasis: NHX-type cation/H(+) transporters. *Current Opinion in Plant Biology*, **2014**, 22, 1-6	9.9	164
111	PSARK::IPT expression causes protection of photosynthesis in tobacco plants during N deficiency. *Environmental and Experimental Botany*, **2014**, 98, 40-46	5.9	8
110	Selection and validation of reference genes for gene expression analysis in switchgrass (Panicum virgatum) using quantitative real-time RT-PCR. *PLoS ONE*, **2014**, 9, e91474	3.7	92
109	Vacuolar Na+/H+ NHX-Type Antiporters Are Required for Cellular K+ Homeostasis, Microtubule Organization and Directional Root Growth. *Plants*, **2014**, 3, 409-26	4.5	31
108	Intracellular NHX-type cation/H+ antiporters in plants. *Molecular Plant*, **2014**, 7, 261-3	14.4	65
107	Stress-induced chloroplast degradation in Arabidopsis is regulated via a process independent of autophagy and senescence-associated vacuoles. *Plant Cell*, **2014**, 26, 4875-88	11.6	108
106	Assessing reference genes for accurate transcript normalization using quantitative real-time PCR in pearl millet [Pennisetum glaucum (L.) R. Br]. *PLoS ONE*, **2014**, 9, e106308	3.7	35
105	Improved growth, drought tolerance, and ultrastructural evidence of increased turgidity in tobacco plants overexpressing Arabidopsis vacuolar pyrophosphatase (AVP1). *Molecular Biotechnology*, **2013**, 54, 379-92	3	22
104	Sonication-assisted efficient Agrobacterium-mediated genetic transformation of the multipurpose woody desert shrub Leptadenia pyrotechnica. *Plant Cell, Tissue and Organ Culture*, **2013**, 112, 289-301	2.7	21
103	Effects of gibberellin treatment during flowering induction period on global gene expression and the transcription of flowering-control genes in Citrus buds. *Plant Science*, **2013**, 198, 46-57	5.3	66
102	In vivo intracellular pH measurements in tobacco and Arabidopsis reveal an unexpected pH gradient in the endomembrane system. *Plant Cell*, **2013**, 25, 4028-43	11.6	119
101	Stress-induced cytokinin synthesis increases drought tolerance through the coordinated regulation of carbon and nitrogen assimilation in rice. *Plant Physiology*, **2013**, 163, 1609-22	6.6	157
100	Water-deficit inducible expression of a cytokinin biosynthetic gene IPT improves drought tolerance in cotton. *PLoS ONE*, **2013**, 8, e64190	3.7	84
99	Fluorescent Dye Based Measurement of Vacuolar pH and K+. *Bio-protocol*, **2013**, 3,	0.9	4
98	Response of carbon and nitrogen-rich metabolites to nitrogen deficiency in PSARK::IPT tobacco plants. *Plant Physiology and Biochemistry*, **2012**, 57, 231-7	5.4	22
97	Copper transport and compartmentation in grape cells. *Plant and Cell Physiology*, **2012**, 53, 1866-80	4.9	34

96	The regulation of the SARK promoter activity by hormones and environmental signals. *Plant Science* , **2012**, 193-194, 39-47	5.3	14
95	Ammonium formation and assimilation in P(SARK)?IPT tobacco transgenic plants under low N. *Journal of Plant Physiology*, **2012**, 169, 157-62	3.6	17
94	Targeting metabolic pathways for genetic engineering abiotic stress-tolerance in crops. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2012**, 1819, 186-94	6	97
93	Integrating genomics and genetics to accelerate development of drought and salinity tolerant crops **2012**, 271-286		1
92	Cellular ion homeostasis: emerging roles of intracellular NHX Na+/H+ antiporters in plant growth and development. *Journal of Experimental Botany*, **2012**, 63, 5727-40	7	190
91	M□anismes et strat□gies cellulaires de tol□rance □ la salinit□ (NaCl) chez les plantes. *Environmental Reviews*, **2011**, 19, 121-140	4.5	6
90	Engineering Salinity and Water-Stress Tolerance in Crop Plants. *Advances in Botanical Research*, **2011**, 57, 405-443	2.2	58
89	Cytokinin-dependent improvement in transgenic P(SARK)::IPT tobacco under nitrogen deficiency. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 10491-5	5.7	19
88	Label-free shotgun proteomics and metabolite analysis reveal a significant metabolic shift during citrus fruit development. *Journal of Experimental Botany*, **2011**, 62, 5367-84	7	72
87	Expression of an Arabidopsis vacuolar H+-pyrophosphatase gene (AVP1) in cotton improves drought- and salt tolerance and increases fibre yield in the field conditions. *Plant Biotechnology Journal*, **2011**, 9, 88-99	11.6	209
86	Cytokinin-mediated source/sink modifications improve drought tolerance and increase grain yield in rice under water-stress. *Plant Biotechnology Journal*, **2011**, 9, 747-58	11.6	276
85	Hormone balance and abiotic stress tolerance in crop plants. *Current Opinion in Plant Biology*, **2011**, 14, 290-5	9.9	874
84	Regulated expression of an isopentenyltransferase gene (IPT) in peanut significantly improves drought tolerance and increases yield under field conditions. *Plant and Cell Physiology*, **2011**, 52, 1904-14	4.9	142
83	Inhibition of aconitase in citrus fruit callus results in a metabolic shift towards amino acid biosynthesis. *Planta*, **2011**, 234, 501-13	4.7	47
82	Isolation of a citrus promoter specific for reproductive organs and its functional analysis in isolated juice sacs and tomato. *Plant Cell Reports*, **2011**, 30, 1627-40	5.1	12
81	The Arabidopsis Na+/H+ antiporters NHX1 and NHX2 control vacuolar pH and K+ homeostasis to regulate growth, flower development, and reproduction. *Plant Cell*, **2011**, 23, 3482-97	11.6	318
80	The Arabidopsis intracellular Na+/H+ antiporters NHX5 and NHX6 are endosome associated and necessary for plant growth and development. *Plant Cell*, **2011**, 23, 224-39	11.6	227
79	Enhanced cytokinin synthesis in tobacco plants expressing PSARK::IPT prevents the degradation of photosynthetic protein complexes during drought. *Plant and Cell Physiology*, **2010**, 51, 1929-41	4.9	134

78	A novel plant vacuolar Na+/H+ antiporter gene evolved by DNA shuffling confers improved salt tolerance in yeast. *Journal of Biological Chemistry*, **2010**, 285, 22999-3006	5.4	18
77	A label-free differential quantitative mass spectrometry method for the characterization and identification of protein changes during citrus fruit development. *Proteome Science*, **2010**, 8, 68	2.6	42
76	Genetic engineering for modern agriculture: challenges and perspectives. *Annual Review of Plant Biology*, **2010**, 61, 443-62	30.7	702
75	The sugar beet gene encoding the sodium/proton exchanger 1 (BvNHX1) is regulated by a MYB transcription factor. *Planta*, **2010**, 232, 187-95	4.7	36
74	Characterizing the Saltol Quantitative Trait Locus for Salinity Tolerance in Rice. *Rice*, **2010**, 3, 148-160	5.8	310
73	Cytokinin-dependent photorespiration and the protection of photosynthesis during water deficit. *Plant Physiology*, **2009**, 150, 1530-40	6.6	204
72	Modèle topologique de la structure d'un antiport vacuolaire de type NHX chez la vigne cultivée (Vitis vinifera). *Botany*, **2009**, 87, 339-347	1.3	1
71	Tolerance of switchgrass to extreme soil moisture stress: Ecological implications. *Plant Science*, **2009**, 177, 724-732	5.3	118
70	Rôles biologiques des antiports vacuolaires NHX : acquis et perspectives d'amélioration génétique des plantes. *Botany*, **2009**, 87, 1023-1035	1.3	7
69	Molecular biology and transport properties of grapevine Na+/H+ antiporter **2008**, 305-315		2
68	Iron-shortage-induced increase in citric acid content and reduction of cytosolic aconitase activity in Citrus fruit vesicles and calli. *Physiologia Plantarum*, **2007**, 131, 72-9	4.6	35
67	Extracellular glycosylphosphatidylinositol-anchored mannoproteins and proteases of Cryptococcus neoformans. *FEMS Yeast Research*, **2007**, 7, 499-510	3.1	64
66	Impact of AtNHX1, a vacuolar Na+/H+ antiporter, upon gene expression during short- and long-term salt stress in Arabidopsis thaliana. *BMC Plant Biology*, **2007**, 7, 18	5.3	61
65	The citrus fruit proteome: insights into citrus fruit metabolism. *Planta*, **2007**, 226, 989-1005	4.7	84
64	Delayed leaf senescence induces extreme drought tolerance in a flowering plant. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 19631-6	11.5	631
63	Identification and characterization of Vnx1p, a novel type of vacuolar monovalent cation/H+ antiporter of Saccharomyces cerevisiae. *Journal of Biological Chemistry*, **2007**, 282, 24284-93	5.4	67
62	A grape berry (Vitis vinifera L.) cation/proton antiporter is associated with berry ripening. *Plant and Cell Physiology*, **2007**, 48, 804-11	4.9	52
61	Plant neurobiology: no brain, no gain?. *Trends in Plant Science*, **2007**, 12, 135-6	13.1	118

60	Na+ transport in plants. *FEBS Letters*, **2007**, 581, 2247-54	3.8	350
59	Generalization of DNA microarray dispersion properties: microarray equivalent of t-distribution. *Biology Direct*, **2006**, 1, 27	7.2	14
58	Beyond osmolytes and transporters: novel plant salt-stress tolerance-related genes from transcriptional profiling data. *Physiologia Plantarum*, **2006**, 127, 1-9	4.6	109
57	Vacuolar citrate/H+ symporter of citrus juice cells. *Planta*, **2006**, 224, 472-80	4.7	54
56	Salt stress response in rice: genetics, molecular biology, and comparative genomics. *Functional and Integrative Genomics*, **2006**, 6, 263-84	3.8	140
55	Developing salt-tolerant crop plants: challenges and opportunities. *Trends in Plant Science*, **2005**, 10, 615-20	13.1	630
54	Expression of an Arabidopsis vacuolar sodium/proton antiporter gene in cotton improves photosynthetic performance under salt conditions and increases fiber yield in the field. *Plant and Cell Physiology*, **2005**, 46, 1848-54	4.9	193
53	Vacuolar Na+/H+ antiporter cation selectivity is regulated by calmodulin from within the vacuole in a Ca2+- and pH-dependent manner. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16107-12	11.5	198
52	DNA array analyses of Arabidopsis thaliana lacking a vacuolar Na+/H+ antiporter: impact of AtNHX1 on gene expression. *Plant Journal*, **2004**, 40, 752-71	6.9	102
51	Characterization of a family of vacuolar Na+/H+ antiporters in Arabidopsis thaliana. *Plant and Soil*, **2003**, 253, 245-256	4.2	83
50	Vacuolar cation/H+ exchange, ion homeostasis, and leaf development are altered in a T-DNA insertional mutant of AtNHX1, the Arabidopsis vacuolar Na+/H+ antiporter. *Plant Journal*, **2003**, 36, 229-39	6.9	290
49	Engineering salt tolerance in plants. *Biotechnology and Genetic Engineering Reviews*, **2003**, 20, 261-75	4.1	15
48	Topological analysis of a plant vacuolar Na+/H+ antiporter reveals a luminal C terminus that regulates antiporter cation selectivity. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 12510-5	11.5	134
47	Salinity-induced glutathione synthesis in Brassica napus. *Planta*, **2002**, 214, 965-9	4.7	157
46	Identification and characterization of a NaCl-inducible vacuolar Na+/H+ antiporter in Beta vulgaris. *Physiologia Plantarum*, **2002**, 116, 206-212	4.6	105
45	Regulation of ADL6 activity by its associated molecular network. *Plant Journal*, **2002**, 31, 565-76	6.9	40
44	Engineering salt tolerance in plants. *Current Opinion in Biotechnology*, **2002**, 13, 146-50	11.4	309
43	Domains as functional building blocks of plant proteins. *Trends in Plant Science*, **2002**, 7, 544-9	13.1	12

42	Transgenic salt-tolerant tomato plants accumulate salt in foliage but not in fruit. *Nature Biotechnology*, **2001**, 19, 765-8	44.5	829
41	Role of SH3 domain-containing proteins in clathrin-mediated vesicle trafficking in Arabidopsis. *Plant Cell*, **2001**, 13, 2499-512	11.6	71
40	Alternative splicing of a novel diacylglycerol kinase in tomato leads to a calmodulin-binding isoform. *Plant Journal*, **2000**, 24, 317-26	6.9	45
39	Sodium transport and salt tolerance in plants. *Current Opinion in Cell Biology*, **2000**, 12, 431-4	9	693
38	The effects of paclobutrazol, abscisic acid, and gibberellin on germination and early growth in silver, red, and hybrid maple. *Canadian Journal of Forest Research*, **2000**, 30, 557-565	1.9	5
37	Sodium transport in plant cells. *Biochimica Et Biophysica Acta - Biomembranes*, **2000**, 1465, 140-51	3.8	673
36	Upregulation of vacuolar H(+)-translocating pyrophosphatase by phosphate starvation of Brassica napus (rapeseed) suspension cell cultures. *FEBS Letters*, **2000**, 486, 155-8	3.8	33
35	Salt tolerance conferred by overexpression of a vacuolar Na+/H+ antiport in Arabidopsis. *Science*, **1999**, 285, 1256-8	33.3	1551
34	Salt Tolerance and Crop Potential of Halophytes. *Critical Reviews in Plant Sciences*, **1999**, 18, 227-255	5.6	476
33	Changes in oxidation-reduction state and antioxidant enzymes in the roots of jack pine seedlings during cold acclimation. *Physiologia Plantarum*, **1998**, 104, 134-142	4.6	34
32	Early signal transduction pathways in plant–pathogen interactions. *Trends in Plant Science*, **1998**, 3, 342-346	13.1	168
31	Activation of a plant plasma membrane Ca2+ channel by TGalpha1, a heterotrimeric G protein alpha-subunit homologue. *FEBS Letters*, **1998**, 424, 17-21	3.8	69
30	The gene-for-gene concept and beyond: Interactions and signals. *Canadian Journal of Plant Pathology*, **1998**, 20, 150-157	1.6	22
29	Identification of G proteins mediating fungal elicitor-induced dephosphorylation of host plasma membrane H+-ATPase. *Journal of Experimental Botany*, **1997**, 48, 229-237	7	30
28	Race-Specific Elicitors of Cladosporium fulvum Promote Translocation of Cytosolic Components of NADPH Oxidase to the Plasma Membrane of Tomato Cells. *Plant Cell*, **1997**, 9, 249	11.6	17
27	Na+/H+ antiport activity in tonoplast vesicles isolated from sunflower roots induced by NaCl stress. *Physiologia Plantarum*, **1997**, 99, 328-334	4.6	91
26	Na+/H+ antiport activity in tonoplast vesicles isolated from sunflower roots induced by NaCl stress. *Physiologia Plantarum*, **1997**, 99, 328-334	4.6	2
25	The induction of freezing tolerance in jack pine seedlings: The role of root plasma membrane H+-ATPase and redox activities. *Physiologia Plantarum*, **1995**, 93, 55-60	4.6	19

24	Diurnal variation in heat tolerance and heat shock protein expression in black spruce (Piceamariana). *Canadian Journal of Forest Research*, **1995**, 25, 369-375	1.9	12
23	Frost hardiness gradients in shoots and roots of picea mariana seedlings. *Scandinavian Journal of Forest Research*, **1995**, 10, 32-36	1.7	39
22	The relative contribution of elastic and osmotic adjustments to turgor maintenance of woody species.. *Physiologia Plantarum*, **1994**, 90, 408-413	4.6	48
21	Effect of Specific Elicitors of Cladosporium fulvum on Tomato Suspension Cells : Evidence for the Involvement of Active Oxygen Species. *Plant Physiology*, **1992**, 99, 1208-15	6.6	163
20	Characterization of Vacuolar Malate and K Channels under Physiological Conditions. *Plant Physiology*, **1992**, 100, 1137-41	6.6	37
19	Cytoplasmic chloride regulates cation channels in the vacuolar membrane of plant cells. *Journal of Membrane Biology*, **1992**, 125, 219-29	2.3	27
18	Photolabeling of tonoplast from sugar beet cell suspensions by [h]5-(N-methyl-N-isobutyl)-amiloride, an inhibitor of the vacuolar na/h antiport. *Plant Physiology*, **1990**, 93, 924-30	6.6	24
17	Tonoplast ion channels from sugar beet cell suspensions : inhibition by amiloride and its analogs. *Plant Physiology*, **1990**, 94, 1788-94	6.6	16
16	Preparation of Plasma Membrane Vesicles from Black Spruce and Jack Pine Roots. *Journal of Plant Physiology*, **1989**, 135, 467-471	3.6	2
15	Ion channels in vacuoles from halophytes and glycophytes. *FEBS Letters*, **1989**, 255, 92-96	3.8	28
14	Inhibition of na/h antiport activity in sugar beet tonoplast by analogs of amiloride. *Plant Physiology*, **1987**, 85, 30-3	6.6	57
13	Salt tolerance in suspension cultures of sugar beet : induction of na/h antiport activity at the tonoplast by growth in salt. *Plant Physiology*, **1987**, 83, 884-7	6.6	155
12	[12] Preparation of tonoplast vesicles: Applications to H+-coupled secondary transport in plant vacuoles. *Methods in Enzymology*, **1987**, 148, 115-123	1.7	17
11	Tonoplast vesicles as a tool in the study of ion transport at the plant vacuole. *Physiologia Plantarum* , **1987**, 69, 731-734	4.6	95
10	Kinetics of Ca/H Antiport in Isolated Tonoplast Vesicles from Storage Tissue of Beta vulgaris L. *Plant Physiology*, **1986**, 80, 727-31	6.6	107
9	Mechanism of Stimulation and Inhibition of Tonoplast H-ATPase of Beta vulgaris by Chloride and Nitrate. *Plant Physiology*, **1986**, 81, 120-5	6.6	44
8	Na/H Antiport in Isolated Tonoplast Vesicles from Storage Tissue of Beta vulgaris. *Plant Physiology*, **1985**, 78, 163-7	6.6	306
7	Presence of Host-Plasma Membrane Type H-ATPase in the Membrane Envelope Enclosing the Bacteroids in Soybean Root Nodules. *Plant Physiology*, **1985**, 78, 665-72	6.6	74

6	Salt adaptation of the cyanobacterium synechococcus 6311 growing in a continuous culture (turbidostat). *Plant Physiology*, **1984**, 74, 183-5	6.6	34
5	Na+/H+ exchange in the cyanobacterium Synechococcus 6311. *Biochemical and Biophysical Research Communications*, **1984**, 122, 452-9	3.4	80
4	Ionic Osmoregulation during Salt Adaptation of the Cyanobacterium Synechococcus 6311. *Plant Physiology*, **1983**, 73, 377-80	6.6	86
3	Structural aspects of the adaptation of Nostoc muscorum to salt. *Archives of Microbiology*, **1982**, 132, 163-167	3	38
2	Osmoregulation and cell composition in salt-adaptation of Nostoc muscorum. *Archives of Microbiology*, **1982**, 132, 168-172	3	102
1	Salt Tolerance and Crop Potential of Halophytes		301