

# Eduardo Blumwald

## List of Publications by Year in descending order

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169  
papers

25,413  
citations

10986

71  
h-index

6836

155  
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173  
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173  
docs citations

173  
times ranked

18362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Haploidy and aneuploidy in switchgrass mediated by misexpression of <i>CENH3</i> . <i>Plant Genome</i> , 2023, 16, e20209.	2.8	4
2	Developing climate-resilient crops: improving plant tolerance to stress combination. <i>Plant Journal</i> , 2022, 109, 373-389.	5.7	198
3	Changes in ethylene and sugar metabolism regulate flavonoid composition in climacteric and non-climacteric plums during postharvest storage. <i>Food Chemistry Molecular Sciences</i> , 2022, 4, 100075.	2.1	9
4	A zinc finger protein <i>SISZP1</i> protects <i>SISTOP1</i> from <i>SIRAE1</i> -mediated degradation to modulate aluminum resistance. <i>New Phytologist</i> , 2022, 236, 165-181.	7.3	8
5	Rational design and testing of abiotic stress-inducible synthetic promoters from poplar <i>cis</i> -regulatory elements. <i>Plant Biotechnology Journal</i> , 2021, 19, 1354-1369.	8.3	27
6	An isopentenyl transferase transgenic wheat isolate exhibits less seminal root growth impairment and a differential metabolite profile under Cd stress. <i>Physiologia Plantarum</i> , 2021, 173, 223-234.	5.2	3
7	The Antifungal Activity of HMA, an Amiloride Analog and Inhibitor of Na <sup>+</sup> /H <sup>+</sup> Exchangers. <i>Frontiers in Microbiology</i> , 2021, 12, 673035.	3.5	2
8	Stress-induced expression of IPT gene in transgenic wheat reduces grain yield penalty under drought. <i>Journal of Genetic Engineering and Biotechnology</i> , 2021, 19, 67.	3.3	12
9	Cell-Type-Specific Proteomics Analysis of a Small Number of Plant Cells by Integrating Laser Capture Microdissection with a Nanodroplet Sample Processing Platform. <i>Current Protocols</i> , 2021, 1, e153.	2.9	17
10	Auxin Homeostasis and Distribution of the Auxin Efflux Carrier PIN2 Require Vacuolar NHX-Type Cation/H <sup>+</sup> Antiporter Activity. <i>Plants</i> , 2020, 9, 1311.	3.5	7
11	A Cytoplasmic Receptor-like Kinase Contributes to Salinity Tolerance. <i>Plants</i> , 2020, 9, 1383.	3.5	7
12	Correlation-based network analysis combined with machine learning techniques highlight the role of the GABA shunt in <i>Brachypodium sylvaticum</i> freezing tolerance. <i>Scientific Reports</i> , 2020, 10, 4489.	3.3	13
13	Silencing of <i>OscV</i> (chloroplast vesiculation) maintained photorespiration and N assimilation in rice plants grown under elevated CO <sub>2</sub> . <i>Plant, Cell and Environment</i> , 2020, 43, 920-933.	5.7	20
14	A Genetic Algorithm to Optimize Weighted Gene Co-Expression Network Analysis. <i>Journal of Computational Biology</i> , 2019, 26, 1349-1366.	1.6	18
15	Primary Metabolism in Citrus Fruit as Affected by Its Unique Structure. <i>Frontiers in Plant Science</i> , 2019, 10, 1167.	3.6	56
16	Combined network analysis and machine learning allows the prediction of metabolic pathways from tomato metabolomics data. <i>Communications Biology</i> , 2019, 2, 214.	4.4	53
17	Ethylene Response of Plum ACC Synthase 1 (ACS1) Promoter is Mediated through the Binding Site of Abscisic Acid Insensitive 5 (ABI5). <i>Plants</i> , 2019, 8, 117.	3.5	15
18	Overexpression of <i>PbrNHX2</i> gene, a Na <sup>+</sup> /H <sup>+</sup> antiporter gene isolated from <i>Pyrus betulaefolia</i> , confers enhanced tolerance to salt stress via modulating ROS levels. <i>Plant Science</i> , 2019, 285, 14-25.	3.6	16

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19	Imaging Salt Uptake Dynamics in Plants Using PET. <i>Scientific Reports</i> , 2019, 9, 18626.	3.3	17
20	Hormone balance in a climacteric plum fruit and its non-climacteric bud mutant during ripening. <i>Plant Science</i> , 2019, 280, 51-65.	3.6	20
21	<sc>IDD</sc>16 negatively regulates stomatal initiation via transâ€repression of <i>SPCH</i> in <i>Arabidopsis</i>. <i>Plant Biotechnology Journal</i> , 2019, 17, 1446-1457.	8.3	22
22	Cation Specificity of Vacuolar NHX-Type Cation/H<sup>+</sup> Antiporters. <i>Plant Physiology</i> , 2019, 179, 616-629.	4.8	119
23	Coordinating the overall stomatal response of plants: Rapid leaf-to-leaf communication during light stress. <i>Science Signaling</i> , 2018, 11, .	3.6	150
24	Ethylene regulation of sugar metabolism in climacteric and non-climacteric plums. <i>Postharvest Biology and Technology</i> , 2018, 139, 20-30.	6.0	74
25	Salt tolerance of two perennial grass <i>Brachypodium sylvaticum</i> accessions. <i>Plant Molecular Biology</i> , 2018, 96, 305-314.	3.9	4
26	Two NHXâ€type transporters from <i>Helianthus tuberosus</i> improve the tolerance of rice to salinity and nutrient deficiency stress. <i>Plant Biotechnology Journal</i> , 2018, 16, 310-321.	8.3	71
27	Stress-induced senescence and plant tolerance to abiotic stress. <i>Journal of Experimental Botany</i> , 2018, 69, 845-853.	4.8	190
28	Delaying chloroplast turnover increases water-deficit stress tolerance through the enhancement of nitrogen assimilation in rice. <i>Journal of Experimental Botany</i> , 2018, 69, 867-878.	4.8	39
29	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. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5451-5461.	5.2	15
30	Editorial. <i>Plant Science</i> , 2018, 274, 1.	3.6	0
31	Unique Physiological and Transcriptional Shifts under Combinations of Salinity, Drought, and Heat. <i>Plant Physiology</i> , 2017, 174, 421-434.	4.8	97
32	Involvement of SchRabGDI1 from <i>Solanum chilense</i> in endocytic trafficking and tolerance to salt stress. <i>Plant Science</i> , 2017, 263, 1-11.	3.6	17
33	Reactive oxygen species, abiotic stress and stress combination. <i>Plant Journal</i> , 2017, 90, 856-867.	5.7	1,759
34	Generation of Octaploid Switchgrass by Seedling Treatment with Mitotic Inhibitors. <i>Bioenergy Research</i> , 2017, 10, 344-352.	3.9	7
35	Sugar metabolism reprogramming in a non-climacteric bud mutant of a climacteric plum fruit during development on the tree. <i>Journal of Experimental Botany</i> , 2017, 68, 5813-5828.	4.8	42
36	Imaging Salt Transport in Plants Using PET: A Feasibility Study. , 2017, , .		3

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37	Spike-Dip Transformation Method of <i>Setaria viridis</i> . <i>Plant Genetics and Genomics: Crops and Models</i> , 2017, , 357-369.	0.3	1
38	ABA Is Required for Plant Acclimation to a Combination of Salt and Heat Stress. <i>PLoS ONE</i> , 2016, 11, e0147625.	2.5	267
39	Spike-Dip transformation of <i>Setaria viridis</i> . <i>Plant Journal</i> , 2016, 86, 89-101.	5.7	54
40	Different characteristics of high yield formation between inbred japonica super rice and inter-sub-specific hybrid super rice. <i>Field Crops Research</i> , 2016, 198, 179-187.	5.1	49
41	Preface. <i>Plant Science</i> , 2016, 251, 1.	3.6	2
42	Effects of abiotic stress on physiological plasticity and water use of <i>Setaria viridis</i> (L.). <i>Plant Science</i> , 2016, 251, 128-138.	3.6	53
43	Water deficit stress tolerance in maize conferred by expression of an isopentenyltransferase (IPT) gene driven by a stress- and maturation-induced promoter. <i>Journal of Biotechnology</i> , 2016, 220, 66-77.	3.8	46
44	Water deficit stress-induced changes in carbon and nitrogen partitioning in <i>Chenopodium quinoa</i> Willd.. <i>Planta</i> , 2016, 243, 591-603.	3.2	49
45	Targeting Hormone-Related Pathways to Improve Grain Yield in Rice: A Chemical Approach. <i>PLoS ONE</i> , 2015, 10, e0131213.	2.5	26
46	Molecular characterization of SQUAMOSA PROMOTER BINDING PROTEIN-LIKE (SPL) gene family from Citrus and the effect of fruit load on their expression. <i>Frontiers in Plant Science</i> , 2015, 6, 389.	3.6	54
47	RNA-Seq Analysis of Spatiotemporal Gene Expression Patterns During Fruit Development Revealed Reference Genes for Transcript Normalization in Plums. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1634-1649.	1.8	48
48	The Roles of ROS and ABA in Systemic Acquired Acclimation. <i>Plant Cell</i> , 2015, 27, 64-70.	6.6	450
49	The rice transcription factor OsWRKY47 is a positive regulator of the response to water deficit stress. <i>Plant Molecular Biology</i> , 2015, 88, 401-413.	3.9	92
50	pH Regulation by NHX-Type Antiporters Is Required for Receptor-Mediated Protein Trafficking to the Vacuole in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 1200-1217.	6.6	126
51	Polyols in grape berry: transport and metabolic adjustments as a physiological strategy for water-deficit stress tolerance in grapevine. <i>Journal of Experimental Botany</i> , 2015, 66, 889-906.	4.8	92
52	Non-climacteric ripening and sorbitol homeostasis in plum fruits. <i>Plant Science</i> , 2015, 231, 30-39.	3.6	46
53	Co-overexpression of AVP1 and AtNHX1 in Cotton Further Improves Drought and Salt Tolerance in Transgenic Cotton Plants. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 167-177.	1.8	69
54	Selection and Validation of Reference Genes for Gene Expression Analysis in Switchgrass ( <i>Panicum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	120

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55	Vacuolar Na <sup>+</sup> /H <sup>+</sup> NHX-Type Antiporters Are Required for Cellular K <sup>+</sup> Homeostasis, Microtubule Organization and Directional Root Growth. <i>Plants</i> , 2014, 3, 409-426.	3.5	34
56	Intracellular NHX-Type Cation/H <sup>+</sup> Antiporters in Plants. <i>Molecular Plant</i> , 2014, 7, 261-263.	8.3	76
57	Stress-Induced Chloroplast Degradation in <i>Arabidopsis</i> Is Regulated via a Process Independent of Autophagy and Senescence-Associated Vacuoles. <i>Plant Cell</i> , 2014, 26, 4875-4888.	6.6	161
58	Abiotic and biotic stress combinations. <i>New Phytologist</i> , 2014, 203, 32-43.	7.3	1,460
59	Fruit load induces changes in global gene expression and in abscisic acid (ABA) and indole acetic acid (IAA) homeostasis in citrus buds. <i>Journal of Experimental Botany</i> , 2014, 65, 3029-3044.	4.8	61
60	Copper homeostasis in grapevine: functional characterization of the <i>Vitis vinifera</i> copper transporter 1. <i>Planta</i> , 2014, 240, 91-101.	3.2	35
61	Metabolic changes of <i>Vitis vinifera</i> berries and leaves exposed to Bordeaux mixture. <i>Plant Physiology and Biochemistry</i> , 2014, 82, 270-278.	5.8	40
62	The ins and outs of intracellular ion homeostasis: NHX-type cation/H <sup>+</sup> transporters. <i>Current Opinion in Plant Biology</i> , 2014, 22, 1-6.	7.1	229
63	PSARK::IPT expression causes protection of photosynthesis in tobacco plants during N deficiency. <i>Environmental and Experimental Botany</i> , 2014, 98, 40-46.	4.2	8
64	Assessing Reference Genes for Accurate Transcript Normalization Using Quantitative Real-Time PCR in Pearl Millet [ <i>Pennisetum glaucum</i> (L.) R. Br.]. <i>PLoS ONE</i> , 2014, 9, e106308.	2.5	38
65	Improved Growth, Drought Tolerance, and Ultrastructural Evidence of Increased Turgidity in Tobacco Plants Overexpressing <i>Arabidopsis</i> Vacuolar Pyrophosphatase (AVP1). <i>Molecular Biotechnology</i> , 2013, 54, 379-392.	2.4	23
66	Sonication-assisted efficient <i>Agrobacterium</i> -mediated genetic transformation of the multipurpose woody desert shrub <i>Leptadenia pyrotechnica</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 112, 289-301.	2.3	26
67	Effects of gibberellin treatment during flowering induction period on global gene expression and the transcription of flowering-control genes in Citrus buds. <i>Plant Science</i> , 2013, 198, 46-57.	3.6	91
68	In Vivo Intracellular pH Measurements in Tobacco and <i>Arabidopsis</i> Reveal an Unexpected pH Gradient in the Endomembrane System. <i>Plant Cell</i> , 2013, 25, 4028-4043.	6.6	161
69	Stress-Induced Cytokinin Synthesis Increases Drought Tolerance through the Coordinated Regulation of Carbon and Nitrogen Assimilation in Rice. <i>Plant Physiology</i> , 2013, 163, 1609-1622.	4.8	213
70	Water-Deficit Inducible Expression of a Cytokinin Biosynthetic Gene IPT Improves Drought Tolerance in Cotton. <i>PLoS ONE</i> , 2013, 8, e64190.	2.5	104
71	Fluorescent Dye Based Measurement of Vacuolar pH and K <sup>+</sup> . <i>Bio-protocol</i> , 2013, 3, .	0.4	4
72	Cellular ion homeostasis: emerging roles of intracellular NHX Na <sup>+</sup> /H <sup>+</sup> antiporters in plant growth and development. <i>Journal of Experimental Botany</i> , 2012, 63, 5727-5740.	4.8	236

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73	Copper Transport and Compartmentation in Grape Cells. <i>Plant and Cell Physiology</i> , 2012, 53, 1866-1880.	3.1	45
74	The regulation of the SARK promoter activity by hormones and environmental signals. <i>Plant Science</i> , 2012, 193-194, 39-47.	3.6	19
75	Ammonium formation and assimilation in PSARK <sup>+</sup> -IPT tobacco transgenic plants under low N. <i>Journal of Plant Physiology</i> , 2012, 169, 157-162.	3.5	21
76	Targeting metabolic pathways for genetic engineering abiotic stress-tolerance in crops. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012, 1819, 186-194.	1.9	122
77	Integrating genomics and genetics to accelerate development of drought and salinity tolerant crops. , 2012, , 271-286.		5
78	Response of carbon and nitrogen-rich metabolites to nitrogen deficiency in PSARK <sup>+</sup> -IPT tobacco plants. <i>Plant Physiology and Biochemistry</i> , 2012, 57, 231-237.	5.8	29
79	The <i>Arabidopsis</i> Na <sup>+</sup> /H <sup>+</sup> Antiporters NHX1 and NHX2 Control Vacuolar pH and K <sup>+</sup> Homeostasis to Regulate Growth, Flower Development, and Reproduction. <i>Plant Cell</i> , 2011, 23, 3482-3497.	6.6	417
80	Mécanismes et stratégies cellulaires de tolérance à la salinité (NaCl) chez les plantes. <i>Environmental Reviews</i> , 2011, 19, 121-140.	4.5	14
81	Engineering Salinity and Water-Stress Tolerance in Crop Plants. <i>Advances in Botanical Research</i> , 2011, 57, 405-443.	1.1	70
82	Cytokinin-Dependent Improvement in Transgenic P <sub>SARK</sub> ::IPT Tobacco under Nitrogen Deficiency. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10491-10495.	5.2	24
83	Label-free shotgun proteomics and metabolite analysis reveal a significant metabolic shift during citrus fruit development. <i>Journal of Experimental Botany</i> , 2011, 62, 5367-5384.	4.8	98
84	Expression of an <i>Arabidopsis</i> vacuolar H <sup>+</sup> -pyrophosphatase gene ( <i>AVP1</i> ) in cotton improves drought and salt tolerance and increases fibre yield in the field conditions. <i>Plant Biotechnology Journal</i> , 2011, 9, 88-99.	8.3	253
85	Cytokinin-mediated source/sink modifications improve drought tolerance and increase grain yield in rice under water stress. <i>Plant Biotechnology Journal</i> , 2011, 9, 747-758.	8.3	333
86	Hormone balance and abiotic stress tolerance in crop plants. <i>Current Opinion in Plant Biology</i> , 2011, 14, 290-295.	7.1	1,112
87	Regulated Expression of an Isopentenyltransferase Gene (IPT) in Peanut Significantly Improves Drought Tolerance and Increases Yield Under Field Conditions. <i>Plant and Cell Physiology</i> , 2011, 52, 1904-1914.	3.1	174
88	Inhibition of aconitase in citrus fruit callus results in a metabolic shift towards amino acid biosynthesis. <i>Planta</i> , 2011, 234, 501-513.	3.2	55
89	Isolation of a citrus promoter specific for reproductive organs and its functional analysis in isolated juice sacs and tomato. <i>Plant Cell Reports</i> , 2011, 30, 1627-1640.	5.6	13
90	The <i>Arabidopsis</i> Intracellular Na <sup>+</sup> /H <sup>+</sup> Antiporters NHX5 and NHX6 Are Endosome Associated and Necessary for Plant Growth and Development. <i>Plant Cell</i> , 2011, 23, 224-239.	6.6	286

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91	The sugar beet gene encoding the sodium/proton exchanger 1 (BvNHX1) is regulated by a MYB transcription factor. <i>Planta</i> , 2010, 232, 187-195.	3.2	41
92	Characterizing the Saltol Quantitative Trait Locus for Salinity Tolerance in Rice. <i>Rice</i> , 2010, 3, 148-160.	4.0	413
93	Enhanced Cytokinin Synthesis in Tobacco Plants Expressing PSARK::IPT Prevents the Degradation of Photosynthetic Protein Complexes During Drought. <i>Plant and Cell Physiology</i> , 2010, 51, 1929-1941.	3.1	155
94	A Novel Plant Vacuolar Na <sup>+</sup> /H <sup>+</sup> Antiporter Gene Evolved by DNA Shuffling Confers Improved Salt Tolerance in Yeast. <i>Journal of Biological Chemistry</i> , 2010, 285, 22999-23006.	3.4	20
95	A label-free differential quantitative mass spectrometry method for the characterization and identification of protein changes during citrus fruit development. <i>Proteome Science</i> , 2010, 8, 68.	1.7	44
96	Genetic Engineering for Modern Agriculture: Challenges and Perspectives. <i>Annual Review of Plant Biology</i> , 2010, 61, 443-462.	18.7	902
97	Cytokinin-Dependent Photorespiration and the Protection of Photosynthesis during Water Deficit. <i>Plant Physiology</i> , 2009, 150, 1530-1540.	4.8	228
98	Modèle topologique de la structure d'un antiport vacuolaire de type NHX chez la vigne cultivée ( <i>Vitis vinifera</i> ). <i>Botany</i> , 2009, 87, 339-347.	1.0	1
99	Tolerance of switchgrass to extreme soil moisture stress: Ecological implications. <i>Plant Science</i> , 2009, 177, 724-732.	3.6	147
100	Rôles biologiques des antiports vacuolaires NHX : acquis et perspectives d'amélioration génétique des plantes. <i>Botany</i> , 2009, 87, 1023-1035.	1.0	10
101	Molecular biology and transport properties of grapevine Na <sup>+</sup> /H <sup>+</sup> antiporter. , 2008, , 305-315.		2
102	Delayed leaf senescence induces extreme drought tolerance in a flowering plant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19631-19636.	7.1	768
103	Identification and Characterization of Vnx1p, a Novel Type of Vacuolar Monovalent Cation/H <sup>+</sup> Antiporter of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 24284-24293.	3.4	74
104	A Grape Berry ( <i>Vitis vinifera</i> L.) Cation/Proton Antiporter is Associated with Berry Ripening. <i>Plant and Cell Physiology</i> , 2007, 48, 804-811.	3.1	59
105	Plant neurobiology: no brain, no gain?. <i>Trends in Plant Science</i> , 2007, 12, 135-136.	8.8	146
106	Na <sup>+</sup> transport in plants. <i>FEBS Letters</i> , 2007, 581, 2247-2254.	2.8	435
107	Iron-shortage-induced increase in citric acid content and reduction of cytosolic aconitase activity in Citrus fruit vesicles and calli. <i>Physiologia Plantarum</i> , 2007, 131, 72-79.	5.2	37
108	Extracellular glycosylphosphatidylinositol-anchored mannoproteins and proteases of <i>Cryptococcus neoformans</i> . <i>FEMS Yeast Research</i> , 2007, 7, 499-510.	2.3	75

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109	Impact of AtNHX1, a vacuolar Na <sup>+</sup> /H <sup>+</sup> antiporter, upon gene expression during short- and long-term salt stress in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2007, 7, 18.	3.6	83
110	The citrus fruit proteome: insights into citrus fruit metabolism. <i>Planta</i> , 2007, 226, 989-1005.	3.2	93
111	Generalization of DNA microarray dispersion properties: microarray equivalent of t-distribution. <i>Biology Direct</i> , 2006, 1, 27.	4.6	15
112	Beyond osmolytes and transporters: novel plant salt-stress tolerance-related genes from transcriptional profiling data. <i>Physiologia Plantarum</i> , 2006, 127, 1-9.	5.2	132
113	Vacuolar citrate/H <sup>+</sup> symporter of citrus juice cells. <i>Planta</i> , 2006, 224, 472-480.	3.2	65
114	Salt stress response in rice: genetics, molecular biology, and comparative genomics. <i>Functional and Integrative Genomics</i> , 2006, 6, 263-284.	3.5	169
115	Vacuolar Na <sup>+</sup> /H <sup>+</sup> antiporter cation selectivity is regulated by calmodulin from within the vacuole in a Ca <sup>2+</sup> - and pH-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16107-16112.	7.1	222
116	Developing salt-tolerant crop plants: challenges and opportunities. <i>Trends in Plant Science</i> , 2005, 10, 615-620.	8.8	760
117	Expression of an <i>Arabidopsis</i> Vacuolar Sodium/Proton Antiporter Gene in Cotton Improves Photosynthetic Performance Under Salt Conditions and Increases Fiber Yield in the Field. <i>Plant and Cell Physiology</i> , 2005, 46, 1848-1854.	3.1	233
118	DNA array analyses of <i>Arabidopsis thaliana</i> lacking a vacuolar Na <sup>+</sup> /H <sup>+</sup> antiporter: impact of AtNHX1 on gene expression. <i>Plant Journal</i> , 2004, 40, 752-771.	5.7	114
119	Characterization of a family of vacuolar Na <sup>+</sup> /H <sup>+</sup> -antiporters in <i>Arabidopsis thaliana</i> . <i>Plant and Soil</i> , 2003, 253, 245-256.	3.7	109
120	Vacuolar cation/H <sup>+</sup> -exchange, ion homeostasis, and leaf development are altered in a T-DNA insertional mutant of AtNHX1, the <i>Arabidopsis</i> vacuolar Na <sup>+</sup> /H <sup>+</sup> -antiporter. <i>Plant Journal</i> , 2003, 36, 229-239.	5.7	331
121	Engineering Salt Tolerance in Plants. <i>Biotechnology and Genetic Engineering Reviews</i> , 2003, 20, 261-276.	6.2	23
122	Topological analysis of a plant vacuolar Na <sup>+</sup> /H <sup>+</sup> antiporter reveals a luminal C terminus that regulates antiporter cation selectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12510-12515.	7.1	161
123	Domains as functional building blocks of plant proteins. <i>Trends in Plant Science</i> , 2002, 7, 544-549.	8.8	13
124	Salinity-induced glutathione synthesis in <i>Brassica napus</i> . <i>Planta</i> , 2002, 214, 965-969.	3.2	186
125	Identification and characterization of a NaCl-inducible vacuolar Na <sup>+</sup> /H <sup>+</sup> antiporter in <i>Beta vulgaris</i> . <i>Physiologia Plantarum</i> , 2002, 116, 206-212.	5.2	114
126	Regulation of ADL6 activity by its associated molecular network. <i>Plant Journal</i> , 2002, 31, 565-576.	5.7	48



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127	Engineering salt tolerance in plants. <i>Current Opinion in Biotechnology</i> , 2002, 13, 146-150.	6.6	361
128	Transgenic salt-tolerant tomato plants accumulate salt in foliage but not in fruit. <i>Nature Biotechnology</i> , 2001, 19, 765-768.	17.5	978
129	Role of SH3 Domain-Containing Proteins in Clathrin-Mediated Vesicle Trafficking in Arabidopsis. <i>Plant Cell</i> , 2001, 13, 2499-2512.	6.6	86
130	Alternative splicing of a novel diacylglycerol kinase in tomato leads to a calmodulin-binding isoform. <i>Plant Journal</i> , 2000, 24, 317-326.	5.7	57
131	Sodium transport and salt tolerance in plants. <i>Current Opinion in Cell Biology</i> , 2000, 12, 431-434.	5.4	812
132	The effects of paclobutrazol, abscisic acid, and gibberellin on germination and early growth in silver, red, and hybrid maple. <i>Canadian Journal of Forest Research</i> , 2000, 30, 557-565.	1.7	8
133	Sodium transport in plant cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1465, 140-151.	2.6	782
134	Upregulation of vacuolar H <sup>+</sup> -translocating pyrophosphatase by phosphate starvation of Brassica napus (rapeseed) suspension cell cultures. <i>FEBS Letters</i> , 2000, 486, 155-158.	2.8	38
135	Salt Tolerance Conferred by Overexpression of a Vacuolar Na <sup>+</sup> /H <sup>+</sup> Antiport in Arabidopsis. <i>Science</i> , 1999, 285, 1256-1258.	12.6	1,763
136	Salt Tolerance and Crop Potential of Halophytes. <i>Critical Reviews in Plant Sciences</i> , 1999, 18, 227-255.	5.7	557
137	Salt Tolerance and Crop Potential of Halophytes. <i>Critical Reviews in Plant Sciences</i> , 1999, 18, 227-255.	5.7	371
138	Changes in oxidation-reduction state and antioxidant enzymes in the roots of jack pine seedlings during cold acclimation. <i>Physiologia Plantarum</i> , 1998, 104, 134-142.	5.2	43
139	Early signal transduction pathways in plant-pathogen interactions. <i>Trends in Plant Science</i> , 1998, 3, 342-346.	8.8	183
140	Activation of a plant plasma membrane Ca <sup>2+</sup> channel by TGÎ±1, a heterotrimeric G protein Î±-subunit homologue. <i>FEBS Letters</i> , 1998, 424, 17-21.	2.8	78
141	The gene-for-gene concept and beyond: Interactions and signals. <i>Canadian Journal of Plant Pathology</i> , 1998, 20, 150-157.	1.4	27
142	Identification of G proteins mediating fungal elicitor-induced dephosphorylation of host plasma membrane H <sup>+</sup> -ATPase. <i>Journal of Experimental Botany</i> , 1997, 48, 229-237.	4.8	34
143	Race-Specific Elicitors of <i>Cladosporium fulvum</i> Promote Translocation of Cytosolic Components of NADPH Oxidase to the Plasma Membrane of Tomato Cells. <i>Plant Cell</i> , 1997, 9, 249.	6.6	32
144	Na <sup>+</sup> /H <sup>+</sup> antiport activity in tonoplast vesicles isolated from sunflower roots induced by NaCl stress. <i>Physiologia Plantarum</i> , 1997, 99, 328-334.	5.2	99

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145	Na <sup>+</sup> /H <sup>+</sup> antiport activity in tonoplast vesicles isolated from sunflower roots induced by NaCl stress. <i>Physiologia Plantarum</i> , 1997, 99, 328-334.	5.2	3
146	The induction of freezing tolerance in jack pine seedlings: The role of root plasma membrane H <sup>+</sup> - ATPase and redox activities. <i>Physiologia Plantarum</i> , 1995, 93, 55-60.	5.2	25
147	Diurnal variation in heat tolerance and heat shock protein expression in black spruce ( <i>Picea mariana</i> ). <i>Canadian Journal of Forest Research</i> , 1995, 25, 369-375.	1.7	15
148	Frost hardiness gradients in shoots and roots of <i>Picea mariana</i> seedlings. <i>Scandinavian Journal of Forest Research</i> , 1995, 10, 32-36.	1.4	46
149	The relative contribution of elastic and osmotic adjustments to turgor maintenance of woody species. <i>Physiologia Plantarum</i> , 1994, 90, 408-413.	5.2	68
150	Effect of Specific Elicitors of <i>Cladosporium fulvum</i> on Tomato Suspension Cells. <i>Plant Physiology</i> , 1992, 99, 1208-1215.	4.8	172
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161	Kinetics of Ca <sup>2+</sup> /H <sup>+</sup> Antiport in Isolated Tonoplast Vesicles from Storage Tissue of <i>Beta vulgaris</i> L.. <i>Plant Physiology</i> , 1986, 80, 727-731.	4.8	117
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