

# Ray A Bressan

## List of Publications by Year in descending order

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202  
papers

26,387  
citations

4388

86  
h-index

6471

157  
g-index

209  
all docs

209  
docs citations

209  
times ranked

18636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-CG DNA methylation-deficiency mutations enhance mutagenesis rates during salt adaptation in cultured Arabidopsis cells. <i>Stress Biology</i> , 2021, 1, 1.	3.1	7
2	Abscisic acid dynamics, signaling, and functions in plants. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 25-54.	8.5	771
3	BONZAI Proteins Control Global Osmotic Stress Responses in Plants. <i>Current Biology</i> , 2020, 30, 4815-4825.e4.	3.9	39
4	AtPR5K2, a PR5-Like Receptor Kinase, Modulates Plant Responses to Drought Stress by Phosphorylating Protein Phosphatase 2Cs. <i>Frontiers in Plant Science</i> , 2019, 10, 1146.	3.6	31
5	Rheostatic Control of ABA Signaling through HOS15-Mediated OST1 Degradation. <i>Molecular Plant</i> , 2019, 12, 1447-1462.	8.3	58
6	Role and Functional Differences of HKT1-Type Transporters in Plants under Salt Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1059.	4.1	78
7	Metabolic Adjustment of Arabidopsis Root Suspension Cells During Adaptation to Salt Stress and Mitotic Stress Memory. <i>Plant and Cell Physiology</i> , 2019, 60, 612-625.	3.1	24
8	It's Hard to Avoid Avoidance: Uncoupling the Evolutionary Connection between Plant Growth, Productivity and Stress "Tolerance". <i>International Journal of Molecular Sciences</i> , 2018, 19, 3671.	4.1	29
9	Arabidopsis AGDP1 links H3K9me2 to DNA methylation in heterochromatin. <i>Nature Communications</i> , 2018, 9, 4547.	12.8	66
10	Mutations in a subfamily of abscisic acid receptor genes promote rice growth and productivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6058-6063.	7.1	284
11	Epigenetic switch from repressive to permissive chromatin in response to cold stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5400-E5409.	7.1	157
12	Arabidopsis Duodecuple Mutant of PYL ABA Receptors Reveals PYL Repression of ABA-Independent SnRK2 Activity. <i>Cell Reports</i> , 2018, 23, 3340-3351.e5.	6.4	153
13	Control of Plant Water Use by ABA Induction of Senescence and Dormancy: An Overlooked Lesson from Evolution. <i>Plant and Cell Physiology</i> , 2017, 58, 1319-1327.	3.1	51
14	The miR165/166 Mediated Regulatory Module Plays Critical Roles in ABA Homeostasis and Response in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2016, 12, e1006416.	3.5	91
15	A Single Amino-Acid Substitution in the Sodium Transporter HKT1 Associated with Plant Salt Tolerance. <i>Plant Physiology</i> , 2016, 171, 2112-2126.	4.8	93
16	ABA receptor PYL9 promotes drought resistance and leaf senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1949-1954.	7.1	508
17	Pathogen Associated Molecular Pattern (PAMP)-Triggered Immunity Is Compromised under C-Limited Growth. <i>Molecules and Cells</i> , 2015, 38, 40-50.	2.6	6
18	A novel thiol-reductase activity of Arabidopsis YUC6 confers drought tolerance independently of auxin biosynthesis. <i>Nature Communications</i> , 2015, 6, 8041.	12.8	82

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19	Using Arabidopsis-Related Model Species (ARMS): Growth, Genetic Transformation, and Comparative Genomics. <i>Methods in Molecular Biology</i> , 2014, 1062, 27-51.	0.9	8
20	The Role of the Epigenome in Gene Expression Control and the Epimark Changes in Response to the Environment. <i>Critical Reviews in Plant Sciences</i> , 2014, 33, 64-87.	5.7	31
21	Biotechnology for mechanisms that counteract salt stress in extremophile species: a genome-based view. <i>Plant Biotechnology Reports</i> , 2013, 7, 27-37.	1.5	24
22	Release of SOS2 kinase from sequestration with GIGANTEA determines salt tolerance in Arabidopsis. <i>Nature Communications</i> , 2013, 4, 1352.	12.8	220
23	Overexpression of Arabidopsis YUCCA6 in Potato Results in High-Auxin Developmental Phenotypes and Enhanced Resistance to Water Deficit. <i>Molecular Plant</i> , 2013, 6, 337-349.	8.3	174
24	The Salt Overly Sensitive (SOS) Pathway: Established and Emerging Roles. <i>Molecular Plant</i> , 2013, 6, 275-286.	8.3	528
25	A <i>Saccharomyces cerevisiae</i> Assay System to Investigate Ligand/AdipoR1 Interactions That Lead to Cellular Signaling. <i>PLoS ONE</i> , 2013, 8, e65454.	2.5	12
26	A Vacuolar $\beta$ -Glucosidase Homolog That Possesses Glucose-Conjugated Abscisic Acid Hydrolyzing Activity Plays an Important Role in Osmotic Stress Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2184-2199.	6.6	251
27	Regulation of <i>miR399f</i> Transcription by AtMYB2 Affects Phosphate Starvation Responses in Arabidopsis. <i>Plant Physiology</i> , 2012, 161, 362-373.	4.8	146
28	Arabidopsis <i>ECERIFERUM9</i> Involvement in Cuticle Formation and Maintenance of Plant Water Status. <i>Plant Physiology</i> , 2012, 159, 930-944.	4.8	150
29	TsHKT1;2, a HKT1 Homolog from the Extremophile Arabidopsis Relative <i>Thellungiella salsuginea</i> , Shows K <sup>+</sup> Specificity in the Presence of NaCl. <i>Plant Physiology</i> , 2012, 158, 1463-1474.	4.8	161
30	The scope of things to come. , 2012, , 19-34.		1
31	Mutation in SUMO E3 ligase, SIZ1, Disrupts the Mature Female Gametophyte in Arabidopsis. <i>PLoS ONE</i> , 2012, 7, e29470.	2.5	28
32	Transcription profiling of laser microdissected microsporocytes in an Arabidopsis mutant ( <i>Atmcc1</i> ) with enhanced histone acetylation. <i>Journal of Plant Biology</i> , 2012, 55, 281-289.	2.1	6
33	Ethylene signalling is involved in regulation of phosphate starvation-induced gene expression and production of acid phosphatases and anthocyanin in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2011, 189, 1084-1095.	7.3	172
34	Adiponectin and Plant-Derived Mammalian Adiponectin Homolog Exert a Protective Effect in Murine Colitis. <i>Digestive Diseases and Sciences</i> , 2011, 56, 2818-2832.	2.3	33
35	Identification and Molecular Properties of SUMO-Binding Proteins in Arabidopsis. <i>Molecules and Cells</i> , 2011, 32, 143-152.	2.6	39
36	Stress-adapted extremophiles provide energy without interference with food production. <i>Food Security</i> , 2011, 3, 93-105.	5.3	36

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37	NKS1, Na <sup>+</sup> - and K <sup>+</sup> -sensitive 1, regulates ion homeostasis in an SOS-independent pathway in Arabidopsis. <i>Phytochemistry</i> , 2011, 72, 330-336.	2.9	12
38	YUCCA6 over-expression demonstrates auxin function in delaying leaf senescence in Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2011, 62, 3981-3992.	4.8	195
39	The genome of the extremophile crucifer <i>Thellungiella parvula</i> . <i>Nature Genetics</i> , 2011, 43, 913-918.	21.4	318
40	The <i>glossyhead1</i> Allele of <i>ACC1</i> Reveals a Principal Role for Multidomain Acetyl-Coenzyme A Carboxylase in the Biosynthesis of Cuticular Waxes by Arabidopsis. <i>Plant Physiology</i> , 2011, 157, 1079-1092.	4.8	62
41	Functional characterization of the SIZ/PIAS-type SUMO E3 ligases, OsSIZ1 and OsSIZ2 in rice. <i>Plant, Cell and Environment</i> , 2010, 33, 1923-1934.	5.7	85
42	The AtNHX1 exchanger mediates potassium compartmentation in vacuoles of transgenic tomato. <i>Plant Journal</i> , 2010, 61, 495-506.	5.7	268
43	Histone hyperacetylation affects meiotic recombination and chromosome segregation in Arabidopsis. <i>Plant Journal</i> , 2010, 62, 796-806.	5.7	62
44	Auxin-Mediated Ribosomal Biogenesis Regulates Vacuolar Trafficking in Arabidopsis. <i>Plant Cell</i> , 2010, 22, 143-158.	6.6	82
45	Use of the Plant Defense Protein Osmotin To Identify Fusarium oxysporum Genes That Control Cell Wall Properties. <i>Eukaryotic Cell</i> , 2010, 9, 558-568.	3.4	19
46	A comparative study of salt tolerance parameters in 11 wild relatives of Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2010, 61, 3787-3798.	4.8	126
47	Consequences of SOS1 deficiency. <i>Plant Signaling and Behavior</i> , 2010, 5, 766-768.	2.4	4
48	Structural and functional studies of SIZ1, a PIAS-type SUMO E3 ligase from Arabidopsis. <i>Plant Signaling and Behavior</i> , 2010, 5, 567-569.	2.4	10
49	Genome Structures and Halophyte-Specific Gene Expression of the Extremophile <i>Thellungiella parvula</i> in Comparison with <i>Thellungiella salsuginea</i> ( <i>Thellungiella halophila</i> ) and Arabidopsis. <i>Plant Physiology</i> , 2010, 154, 1040-1052.	4.8	97
50	Intracellular consequences of SOS1 deficiency during salt stress. <i>Journal of Experimental Botany</i> , 2010, 61, 1205-1213.	4.8	139
51	The Phosphate Transporter PHT4;6 Is a Determinant of Salt Tolerance that Is Localized to the Golgi Apparatus of Arabidopsis. <i>Molecular Plant</i> , 2009, 2, 535-552.	8.3	83
52	HOS3, an ELO-Like Gene, Inhibits Effects of ABA and Implicates a S-1-P/Ceramide Control System for Abiotic Stress Responses in Arabidopsis thaliana. <i>Molecular Plant</i> , 2009, 2, 138-151.	8.3	48
53	Specific Domain Structures Control Abscisic Acid-, Salicylic Acid-, and Stress-Mediated SIZ1 Phenotypes. <i>Plant Physiology</i> , 2009, 151, 1930-1942.	4.8	55
54	SOS1 and Halophytism. <i>Plant Signaling and Behavior</i> , 2009, 4, 1081-1083.	2.4	18

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55	Loss of Halophytism by Interference with SOS1 Expression. <i>Plant Physiology</i> , 2009, 151, 210-222.	4.8	254
56	Mutants of the <i>Arabidopsis thaliana</i> Cation/H <sup>+</sup> Antiporter AtNHX1 Conferring Increased Salt Tolerance in Yeast. <i>Journal of Biological Chemistry</i> , 2009, 284, 14276-14285.	3.4	71
57	NRPD4, a protein related to the RPB4 subunit of RNA polymerase II, is a component of RNA polymerases IV and V and is required for RNA-directed DNA methylation. <i>Genes and Development</i> , 2009, 23, 318-330.	5.9	126
58	Highly efficient in vitro adventitious shoot regeneration of peppermint ( <i>Mentha x piperita</i> L.) using internodal explants. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2009, 45, 435-440.	2.1	10
59	The <i>Arabidopsis</i> <i>RESURRECTION1</i> Gene Regulates a Novel Antagonistic Interaction in Plant Defense to Biotrophs and Necrotrophs. <i>Plant Physiology</i> , 2009, 151, 290-305.	4.8	56
60	Chapter 11 Unexpected Turns and Twists in Structure/Function of PR-Proteins that Connect Energy Metabolism and Immunity. <i>Advances in Botanical Research</i> , 2009, 51, 439-489.	1.1	18
61	The SUMO E3 ligase, <i>AtSIZ1</i> , regulates flowering by controlling a salicylic acid-mediated floral promotion pathway and through affects on <i>FLC</i> chromatin structure. <i>Plant Journal</i> , 2008, 53, 530-540.	5.7	216
62	Reactive oxygen species mediate Na <sup>+</sup> -induced <i>SOS1</i> mRNA stability in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2008, 53, 554-565.	5.7	214
63	Genetic Engineering for Salinity Stress Tolerance. <i>Advances in Plant Biochemistry and Molecular Biology</i> , 2008, , 347-384.	0.5	13
64	Involvement of <i>Arabidopsis</i> HOS15 in histone deacetylation and cold tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4945-4950.	7.1	293
65	The <i>Arabidopsis</i> Kinase-Associated Protein Phosphatase Regulates Adaptation to Na <sup>+</sup> Stress. <i>Plant Physiology</i> , 2008, 146, 612-622.	4.8	30
66	<i>yucca6</i> , a Dominant Mutation in <i>Arabidopsis</i> , Affects Auxin Accumulation and Auxin-Related Phenotypes. <i>Plant Physiology</i> , 2007, 145, 722-735.	4.8	138
67	Regulation of Plant Innate Immunity by SUMO E3 Ligase. <i>Plant Signaling and Behavior</i> , 2007, 2, 253-254.	2.4	14
68	SIZ1-Mediated Sumoylation of ICE1 Controls CBF3/DREB1A Expression and Freezing Tolerance in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2007, 19, 1403-1414.	6.6	652
69	An Enhancer Mutant of <i>Arabidopsis</i> salt overly sensitive 3 Mediates both Ion Homeostasis and the Oxidative Stress Response. <i>Molecular and Cellular Biology</i> , 2007, 27, 5214-5224.	2.3	127
70	Control of DNA methylation and heterochromatic silencing by histone H2B deubiquitination. <i>Nature</i> , 2007, 447, 735-738.	27.8	225
71	Sodium Stress in the Halophyte <i>Thellungiella halophila</i> and Transcriptional Changes in a <i>thsos1</i> RNA Interference Line. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 1484-1496.	8.5	53
72	Protease inhibitors from several classes work synergistically against <i>Callosobruchus maculatus</i> . <i>Journal of Insect Physiology</i> , 2007, 53, 734-740.	2.0	45

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73	Salicylic acid-mediated innate immunity in Arabidopsis is regulated by SIZ1 SUMO E3 ligase. <i>Plant Journal</i> , 2006, 49, 79-90.	5.7	271
74	Identification of plant stress-responsive determinants in arabidopsis by large-scale forward genetic screens. <i>Journal of Experimental Botany</i> , 2006, 57, 1119-1128.	4.8	65
75	SIZ1 Small Ubiquitin-Like Modifier E3 Ligase Facilitates Basal Thermotolerance in Arabidopsis Independent of Salicylic Acid. <i>Plant Physiology</i> , 2006, 142, 1548-1558.	4.8	164
76	Arabidopsis Carboxyl-Terminal Domain Phosphatase-Like Isoforms Share Common Catalytic and Interaction Domains But Have Distinct in Planta Functions. <i>Plant Physiology</i> , 2006, 142, 586-594.	4.8	41
77	The Arabidopsis Tetratricopeptide Repeat-Containing Protein TTL1 Is Required for Osmotic Stress Responses and Abscisic Acid Sensitivity. <i>Plant Physiology</i> , 2006, 142, 1113-1126.	4.8	97
78	Osmogenetics: Aristotle to Arabidopsis. <i>Plant Cell</i> , 2006, 18, 1542-1557.	6.6	78
79	Unraveling salt tolerance in crops. <i>Nature Genetics</i> , 2005, 37, 1029-1030.	21.4	38
80	Mutations in a Conserved Replication Protein Suppress Transcriptional Gene Silencing in a DNA-Methylation-Independent Manner in Arabidopsis. <i>Current Biology</i> , 2005, 15, 1912-1918.	3.9	68
81	Abiotic Stress and Plant Genome Evolution. Search for New Models. <i>Plant Physiology</i> , 2005, 138, 127-130.	4.8	124
82	HOS10 encodes an R2R3-type MYB transcription factor essential for cold acclimation in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9966-9971.	7.1	173
83	The Arabidopsis SUMO E3 ligase SIZ1 controls phosphate deficiency responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7760-7765.	7.1	556
84	Comparison of Chemical Characteristics of Three Soybean Cysteine Proteinase Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1591-1597.	5.2	4
85	Osmotin Is a Homolog of Mammalian Adiponectin and Controls Apoptosis in Yeast through a Homolog of Mammalian Adiponectin Receptor. <i>Molecular Cell</i> , 2005, 17, 171-180.	9.7	179
86	Soyacystatin N Inhibits Proteolysis of Wheat $\alpha$ -Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. <i>Journal of Economic Entomology</i> , 2004, 97, 2095-2100.	1.8	11
87	Soyacystatin N Inhibits Proteolysis of Wheat $\alpha$ -Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. <i>Journal of Economic Entomology</i> , 2004, 97, 2095-2100.	1.8	19
88	Uncoupling the Effects of Abscisic Acid on Plant Growth and Water Relations. Analysis of <i>sto1/nced3</i> , an Abscisic Acid-Deficient but Salt Stress-Tolerant Mutant in Arabidopsis. <i>Plant Physiology</i> , 2004, 136, 3134-3147.	4.8	156
89	Arabidopsis C-terminal domain phosphatase-like 1 and 2 are essential Ser-5-specific C-terminal domain phosphatases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14539-14544.	7.1	108
90	AtHKT1 Facilitates Na <sup>+</sup> Homeostasis and K <sup>+</sup> Nutrition in Planta. <i>Plant Physiology</i> , 2004, 136, 2500-2511.	4.8	297

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91	Salt Cress. A Halophyte and Cryophyte Arabidopsis Relative Model System and Its Applicability to Molecular Genetic Analyses of Growth and Development of Extremophiles. <i>Plant Physiology</i> , 2004, 135, 1718-1737.	4.8	447
92	An Arabidopsis homeodomain transcription factor gene, HOS9, mediates cold tolerance through a CBF-independent pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9873-9878.	7.1	236
93	Expressed sequence tags from <i>Thellungiella halophila</i> , a new model to study plant salt-tolerance. <i>Plant Science</i> , 2004, 166, 609-616.	3.6	108
94	Inorganic Cations Mediate Plant PR5 Protein Antifungal Activity through Fungal Mnn1- and Mnn4-Regulated Cell Surface Glycans. <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 780-788.	2.6	26
95	Identification of a locus controlling <i>Verticillium</i> disease symptom response in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2003, 35, 574-587.	5.7	155
96	Overexpression of a cell wall glycoprotein in <i>Fusarium oxysporum</i> increases virulence and resistance to a plant PR-5 protein. <i>Plant Journal</i> , 2003, 36, 390-400.	5.7	41
97	Crystal structure of osmotin, a plant antifungal protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 54, 170-173.	2.6	101
98	Can the Quest for Drought Tolerant Crops Avoid <i>Arabidopsis</i> Any Longer?. <i>The Journal of Crop Improvement: Innovations in Practice and Research</i> , 2003, 7, 99-129.	0.4	4
99	Identification of Regions of the Tomato $\beta$ -Glutamyl Kinase That Are Involved in Allosteric Regulation by Proline. <i>Journal of Biological Chemistry</i> , 2003, 278, 14203-14210.	3.4	39
100	The STT3a Subunit Isoform of the Arabidopsis Oligosaccharyltransferase Controls Adaptive Responses to Salt/Osmotic Stress. <i>Plant Cell</i> , 2003, 15, 2273-2284.	6.6	202
101	In Defense against Pathogens. Both Plant Sentinels and Foot Soldiers Need to Know the Enemy,. <i>Plant Physiology</i> , 2003, 131, 1580-1590.	4.8	122
102	An Osmotically Induced Cytosolic Ca <sup>2+</sup> Transient Activates Calcineurin Signaling to Mediate Ion Homeostasis and Salt Tolerance of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 33075-33080.	3.4	133
103	The ascorbic acid cycle mediates signal transduction leading to stress-induced stomatal closure. <i>Functional Plant Biology</i> , 2002, 29, 845.	2.1	23
104	Cuticular Waxes on <i>Arabidopsis thaliana</i> Close Relatives <i>Thellungiella halophila</i> and <i>Thellungiella parvula</i> . <i>International Journal of Plant Sciences</i> , 2002, 163, 309-315.	1.3	29
105	C-terminal domain phosphatase-like family members (AtCPLs) differentially regulate <i>Arabidopsis thaliana</i> abiotic stress signaling, growth, and development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10893-10898.	7.1	146
106	OSM1/SYP61: A Syntaxin Protein in <i>Arabidopsis</i> Controls Abscisic Acid-Mediated and Non-Abscisic Acid-Mediated Responses to Abiotic Stress. <i>Plant Cell</i> , 2002, 14, 3009-3028.	6.6	204
107	Repression of stress-responsive genes by FIERY2, a novel transcriptional regulator in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10899-10904.	7.1	137
108	Salt causes ion disequilibrium-induced programmed cell death in yeast and plants. <i>Plant Journal</i> , 2002, 29, 649-659.	5.7	261



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109	Differential expression and function of Arabidopsis thaliana NHX Na <sup>+</sup> /H <sup>+</sup> antiporters in the salt stress response. <i>Plant Journal</i> , 2002, 30, 529-539.	5.7	491
110	Does proline accumulation play an active role in stress-induced growth reduction?. <i>Plant Journal</i> , 2002, 31, 699-712.	5.7	357
111	The Long and Winding Road to Halotolerance Genes. , 2002, , 505-533.		10
112	Review: Unravelling the functional relationship between root anatomy and stress tolerance. <i>Functional Plant Biology</i> , 2001, 28, 999.	2.1	56
113	A Plant Defense Response Effector Induces Microbial Apoptosis. <i>Molecular Cell</i> , 2001, 8, 921-930.	9.7	151
114	Resistance to the plant PR-5 protein osmotin in the model fungus <i>Saccharomyces cerevisiae</i> is mediated by the regulatory effects of SSD1 on cell wall composition. <i>Plant Journal</i> , 2001, 25, 271-280.	5.7	53
115	Phage display selection of hairpin loop soyacystatin variants that mediate high affinity inhibition of a cysteine proteinase. <i>Plant Journal</i> , 2001, 27, 383-391.	5.7	23
116	A genomics approach towards salt stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 295-311.	5.8	176
117	Bioengineering mint crop improvement. <i>Plant Cell, Tissue and Organ Culture</i> , 2001, 64, 133-144.	2.3	32
118	Tobacco and Arabidopsis SLT1 mediate salt tolerance of yeast. <i>Plant Molecular Biology</i> , 2001, 45, 489-500.	3.9	19
119	Title is missing!. <i>Molecular Breeding</i> , 2001, 8, 109-118.	2.1	28
120	The effect of genomics on weed management in the 21st century. <i>Weed Science</i> , 2001, 49, 282-289.	1.5	15
121	Genes That Are Uniquely Stress Regulated in Salt Overly Sensitive (sos) Mutants. <i>Plant Physiology</i> , 2001, 126, 363-375.	4.8	160
122	Learning from the Arabidopsis Experience. The Next Gene Search Paradigm. <i>Plant Physiology</i> , 2001, 127, 1354-1360.	4.8	183
123	An In-Gel Assay of a Recombinant Western Corn Rootworm ( <i>Diabrotica virgifera virgifera</i> ) Cysteine Proteinase Expressed in Yeast. <i>Analytical Biochemistry</i> , 2000, 282, 153-155.	2.4	5
124	Heterotrimeric G-proteins of a filamentous fungus regulate cell wall composition and susceptibility to a plant PR-5 protein. <i>Plant Journal</i> , 2000, 22, 61-69.	5.7	45
125	Fungal cell wall phosphomannans facilitate the toxic activity of a plant PR-5 protein. <i>Plant Journal</i> , 2000, 23, 375-383.	5.7	89
126	PLANTCELLULAR ANDMOLECULARRESPONSES TOHIGHSALINITY. <i>Annual Review of Plant Biology</i> , 2000, 51, 463-499.	14.3	3,766



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127	A plant defensive cystatin (soyacystatin) targets cathepsin B-like digestive cysteine proteinases (DvCALs) in the larval midgut of western corn rootworm ( <i>Diabrotica virgifera virgifera</i> ). FEBS Letters, 2000, 471, 67-70.	2.8	97
128	Efficient plant regeneration of native spearmint ( <i>Mentha spicata</i> L.). In Vitro Cellular and Developmental Biology - Plant, 1999, 35, 333-338.	2.1	13
129	Improved germination under osmotic stress of tobacco plants overexpressing a cell wall peroxidase. FEBS Letters, 1999, 457, 80-84.	2.8	95
130	Identification of a novel DNA-binding protein to osmotin promoter. Science in China Series C: Life Sciences, 1998, 41, 657-663.	1.3	3
131	Phage display selection can differentiate insecticidal activity of soybean cystatins. Plant Journal, 1998, 14, 371-379.	5.7	84
132	Plants use calcium to resolve salt stress. Trends in Plant Science, 1998, 3, 411-412.	8.8	113
133	Osmotin, a Plant Antifungal Protein, Subverts Signal Transduction to Enhance Fungal Cell Susceptibility. Molecular Cell, 1998, 1, 807-817.	9.7	120
134	A Nitrilase-Like Protein Interacts with GCC Box DNA-Binding Proteins Involved in Ethylene and Defense Responses. Plant Physiology, 1998, 118, 867-874.	4.8	50
135	Comparative Analysis of the Regulation of Expression and Structures of Two Evolutionarily Divergent Genes for $\beta$ -1-Pyrroline-5-Carboxylate Synthetase from Tomato. Plant Physiology, 1998, 118, 661-674.	4.8	108
136	Coordinate Accumulation of Antifungal Proteins and Hexoses Constitutes a Developmentally Controlled Defense Response during Fruit Ripening in Grape1. Plant Physiology, 1998, 117, 465-472.	4.8	213
137	Stress signaling through Ca <sup>2+</sup> /calmodulin-dependent protein phosphatase calcineurin mediates salt adaptation in plants. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9681-9686.	7.1	202
138	Molecular Aspects of Osmotic Stress in Plants. Critical Reviews in Plant Sciences, 1997, 16, 253-277.	5.7	356
139	Regulation of protease inhibitors and plant defense. Trends in Plant Science, 1997, 2, 379-384.	8.8	428
140	Induction of pathogen resistance and pathogenesis-related genes in tobacco by a heat-stable <i>Trichoderma</i> mycelial extract and plant signal messengers. Physiologia Plantarum, 1997, 100, 341-352.	5.2	27
141	Moderately increased constitutive proline does not alter osmotic stress tolerance. Physiologia Plantarum, 1997, 101, 240-246.	5.2	24
142	Tissue-specific activation of the osmotin gene by ABA, C <sub>2</sub> H <sub>4</sub> and NaCl involves the same promoter region. Plant Molecular Biology, 1997, 34, 393-402.	3.9	48
143	Transgenic sorghum plants obtained after microprojectile bombardment of immature inflorescences. In Vitro Cellular and Developmental Biology - Plant, 1997, 33, 92-100.	2.1	53
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145	Antifungal activity of tobacco osmotin has specificity and involves plasma membrane permeabilization. <i>Plant Science</i> , 1996, 118, 11-23.	3.6	232
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147	In vivo and in vitro activity of truncated osmotin that is secreted into the extracellular matrix. <i>Plant Science</i> , 1996, 121, 123-131.	3.6	32
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149	Alterations in cell membrane structure and expression of a membrane-associated protein after adaptation to osmotic stress. <i>Physiologia Plantarum</i> , 1996, 98, 505-516.	5.2	18
150	Alterations in cell membrane structure and expression of a membrane-associated protein after adaptation to osmotic stress. <i>Physiologia Plantarum</i> , 1996, 98, 505-516.	5.2	20
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153	Osmotin gene expression is controlled by elicitor synergism. <i>Physiologia Plantarum</i> , 1995, 95, 620-626.	5.2	13
154	Control of osmotin gene expression by ABA and osmotic stress in vegetative tissues of wild-type and ABA-deficient mutants of tomato. <i>Physiologia Plantarum</i> , 1995, 93, 498-504.	5.2	36
155	Control of osmotin gene expression by ABA and osmotic stress in vegetative tissues of wild-type and ABA-deficient mutants of tomato. <i>Physiologia Plantarum</i> , 1995, 93, 498-504.	5.2	26
156	Osmotin gene expression is controlled by elicitor synergism. <i>Physiologia Plantarum</i> , 1995, 95, 620-626.	5.2	11
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162	Analysis of an osmotically regulated pathogenesis-related osmotin gene promoter. <i>Plant Molecular Biology</i> , 1993, 23, 1117-1128.	3.9	58

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164	Quantitative mRNA-PCR for expression analysis of low-abundance transcripts. <i>Plant Molecular Biology Reporter</i> , 1993, 11, 237-248.	1.8	7
165	Modification of Proton Transport Kinetics of the Plasma Membrane H <sup>+</sup> -ATPase after Adaptation of Tobacco Cells to NaCl. <i>Journal of Plant Physiology</i> , 1993, 142, 312-318.	3.5	15
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185	Intracellular Compartmentation of Ions in Salt Adapted Tobacco Cells. <i>Plant Physiology</i> , 1988, 86, 607-614.	4.8	252
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189	Proline Accumulation and the Adaptation of Cultured Plant Cells to Water Stress. <i>Plant Physiology</i> , 1986, 80, 938-945.	4.8	214
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