# Ray A Bressan

List of Publications by Year
in descending order



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|---|---|---|---|
| 202 papers | 26,387 citations | 4370 86 h-index | 6454 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. Stress Biology, 2021, 1, 1. | 1.5 | 7 |
| 2 | Abscisic acid dynamics, signaling, and functions in plants. Journal of Integrative Plant Biology, 2020, 62, 25-54. | 4.1 | 771 |
| 3 | BONZAI Proteins Control Global Osmotic Stress Responses in Plants. Current Biology, 2020, 30, 4815-4825.e4. | 1.8 | 39 |
| 4 | AtPR5K2, a PR5-Like Receptor Kinase, Modulates Plant Responses to Drought Stress by Phosphorylating Protein Phosphatase 2Cs. Frontiers in Plant Science, 2019, 10, 1146. | 1.7 | 31 |
| 5 | Rheostatic Control of ABA Signaling through HOS15-Mediated OST1 Degradation. Molecular Plant, 2019, 12, 1447-1462. | 3.9 | 58 |
| 6 | Role and Functional Differences of HKT1-Type Transporters in Plants under Salt Stress. International Journal of Molecular Sciences, 2019, 20, 1059. | 1.8 | 78 |
| 7 | Metabolic Adjustment of Arabidopsis Root Suspension Cells During Adaptation to Salt Stress and Mitotic Stress Memory. Plant and Cell Physiology, 2019, 60, 612-625. | 1.5 | 24 |
| 8 | Itâ€™s Hard to Avoid Avoidance: Uncoupling the Evolutionary Connection between Plant Growth, Productivity and Stress â€œToleranceâ€ International Journal of Molecular Sciences, 2018, 19, 3671. | 1.8 | 29 |
| 9 | Arabidopsis AGDP1 links H3K9me2 to DNA methylation in heterochromatin. Nature Communications, 2018, 9, 4547. | 5.8 | 66 |
| 10 | Mutations in a subfamily of abscisic acid receptor genes promote rice growth and productivity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6058-6063. | 3.3 | 284 |
| 11 | Epigenetic switch from repressive to permissive chromatin in response to cold stress. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5400-E5409. | 3.3 | 157 |
| 12 | Arabidopsis Duodecuple Mutant of PYL ABA Receptors Reveals PYL Repression of ABA-Independent SnRK2 Activity. Cell Reports, 2018, 23, 3340-3351.e5. | 2.9 | 153 |
| 13 | Control of Plant Water Use by ABA Induction of Senescence and Dormancy: An Overlooked Lesson from Evolution. Plant and Cell Physiology, 2017, 58, 1319-1327. | 1.5 | 51 |
| 14 | The miR165/166 Mediated Regulatory Module Plays Critical Roles in ABA Homeostasis and Response in Arabidopsis thaliana. PLoS Genetics, 2016, 12, e1006416. | 1.5 | 91 |
| 15 | A Single Amino-Acid Substitution in the Sodium Transporter HKT1 Associated with Plant Salt Tolerance. Plant Physiology, 2016, 171, 2112-2126. | 2.3 | 93 |
| 16 | ABA receptor PYL9 promotes drought resistance and leaf senescence. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1949-1954. | 3.3 | 508 |
| 17 | Pathogen Associated Molecular Pattern (PAMP)-Triggered Immunity Is Compromised under C-Limited Growth. Molecules and Cells, 2015, 38, 40-50. | 1.0 | 6 |
| 18 | A novel thiol-reductase activity of Arabidopsis YUC6 confers drought tolerance independently of auxin biosynthesis. Nature Communications, 2015, 6, 8041. | 5.8 | 82 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Using Arabidopsis-Related Model Species (ARMS): Growth, Genetic Transformation, and Comparative Genomics. Methods in Molecular Biology, 2014, 1062, 27-51. | 0.4 | 8 |
| 20 | The Role of the Epigenome in Gene Expression Control and the Epimark Changes in Response to the Environment. Critical Reviews in Plant Sciences, 2014, 33, 64-87. | 2.7 | 31 |
| 21 | Biotechnology for mechanisms that counteract salt stress in extremophile species: a genome-based view. Plant Biotechnology Reports, 2013, 7, 27-37. | 0.9 | 24 |
| 22 | Release of SOS2 kinase from sequestration with GIGANTEA determines salt tolerance in Arabidopsis. Nature Communications, 2013, 4, 1352. | 5.8 | 220 |
| 23 | Overexpression of Arabidopsis YUCCA6 in Potato Results in High-Auxin Developmental Phenotypes and Enhanced Resistance to Water Deficit. Molecular Plant, 2013, 6, 337-349. | 3.9 | 174 |
| 24 | The Salt Overly Sensitive (SOS) Pathway: Established and Emerging Roles. Molecular Plant, 2013, 6, 275-286. | 3.9 | 528 |
| 25 | A Saccharomyces cerevisiae Assay System to Investigate Ligand/AdipoR1 Interactions That Lead to Cellular Signaling. PLoS ONE, 2013, 8, e65454. | 1.1 | 12 |
| 26 | A Vacuolar Î²-Glucosidase Homolog That Possesses Glucose-Conjugated Abscisic Acid Hydrolyzing Activity Plays an Important Role in Osmotic Stress Responses in <i>Arabidopsis</i>. Plant Cell, 2012, 24, 2184-2199. | 3.1 | 251 |
| 27 | Regulation of <i>miR399f</i> Transcription by AtMYB2 Affects Phosphate Starvation Responses in Arabidopsis Â. Plant Physiology, 2012, 161, 362-373. | 2.3 | 146 |
| 28 | Arabidopsis <i>ECERIFERUM9</i> Involvement in Cuticle Formation and Maintenance of Plant Water Status Â Â. Plant Physiology, 2012, 159, 930-944. | 2.3 | 150 |
| 29 | TsHKT1;2, a HKT1 Homolog from the Extremophile Arabidopsis Relative <i>Thellungiella salsuginea</i>, Shows K+ Specificity in the Presence of NaCl Â Â. Plant Physiology, 2012, 158, 1463-1474. | 2.3 | 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. PLoS ONE, 2012, 7, e29470. | 1.1 | 28 |
| 32 | Transcription profiling of laser microdissected microsporocytes in an Arabidopsis mutant (Atmcc1) with enhanced histone acetylation. Journal of Plant Biology, 2012, 55, 281-289. | 0.9 | 6 |
| 33 | Ethylene signalling is involved in regulation of phosphate starvationâ€induced gene expression and production of acid phosphatases and anthocyanin in <i>Arabidopsis</i>. New Phytologist, 2011, 189, 1084-1095. | 3.5 | 172 |
| 34 | Adiponectin and Plant-Derived Mammalian Adiponectin Homolog Exert a Protective Effect in Murine Colitis. Digestive Diseases and Sciences, 2011, 56, 2818-2832. | 1.1 | 33 |
| 35 | Identification and Molecular Properties of SUMO-Binding Proteins in Arabidopsis. Molecules and Cells, 2011, 32, 143-152. | 1.0 | 39 |
| 36 | Stress-adapted extremophiles provide energy without interference with food production. Food Security, 2011, 3, 93-105. | 2.4 | 36 |

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| 37 | NKS1, Na+- and K+-sensitive 1, regulates ion homeostasis in an SOS-independent pathway in Arabidopsis. Phytochemistry, 2011, 72, 330-336. | 1.4 | 12 |
| 38 | YUCCA6 over-expression demonstrates auxin function in delaying leaf senescence in Arabidopsis thaliana. Journal of Experimental Botany, 2011, 62, 3981-3992. | 2.4 | 195 |
| 39 | The genome of the extremophile crucifer Thellungiella parvula. Nature Genetics, 2011, 43, 913-918. | 9.4 | 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 Â Â. Plant Physiology, 2011, 157, 1079-1092. | 2.3 | 62 |
| 41 | Functional characterization of the SIZ/PIASâ€type SUMO E3 ligases, OsSIZ1 and OsSIZ2 in rice. Plant, Cell and Environment, 2010, 33, 1923-1934. | 2.8 | 85 |
| 42 | The AtNHX1 exchanger mediates potassium compartmentation in vacuoles of transgenic tomato. Plant Journal, 2010, 61, 495-506. | 2.8 | 268 |
| 43 | Histone hyperacetylation affects meiotic recombination and chromosome segregation in Arabidopsis. Plant Journal, 2010, 62, 796-806. | 2.8 | 62 |
| 44 | Auxin-Mediated Ribosomal Biogenesis Regulates Vacuolar Trafficking in<i>Arabidopsis</i>Â. Plant Cell, 2010, 22, 143-158. | 3.1 | 82 |
| 45 | Use of the Plant Defense Protein Osmotin To Identify Fusarium oxysporum Genes That Control Cell Wall Properties. Eukaryotic Cell, 2010, 9, 558-568. | 3.4 | 19 |
| 46 | A comparative study of salt tolerance parameters in 11 wild relatives of Arabidopsis thaliana. Journal of Experimental Botany, 2010, 61, 3787-3798. | 2.4 | 126 |
| 47 | Consequences of SOS1 deficiency. Plant Signaling and Behavior, 2010, 5, 766-768. | 1.2 | 4 |
| 48 | Structural and functional studies of SIZ1, a PIAS-type SUMO E3 ligase from<i>Arabidopsis</i>. Plant Signaling and Behavior, 2010, 5, 567-569. | 1.2 | 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. Plant Physiology, 2010, 154, 1040-1052. | 2.3 | 97 |
| 50 | Intracellular consequences of SOS1 deficiency during salt stress. Journal of Experimental Botany, 2010, 61, 1205-1213. | 2.4 | 139 |
| 51 | The Phosphate Transporter PHT4;6 Is a Determinant of Salt Tolerance that Is Localized to the Golgi Apparatus of Arabidopsis. Molecular Plant, 2009, 2, 535-552. | 3.9 | 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. Molecular Plant, 2009, 2, 138-151. | 3.9 | 48 |
| 53 | Specific Domain Structures Control Abscisic Acid-, Salicylic Acid-, and Stress-Mediated SIZ1 Phenotypes. Plant Physiology, 2009, 151, 1930-1942. | 2.3 | 55 |
| 54 | SOS1 and Halophytism. Plant Signaling and Behavior, 2009, 4, 1081-1083. | 1.2 | 18 |

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| 55 | Loss of Halophytism by Interference with SOS1 Expression. Plant Physiology, 2009, 151, 210-222. | 2.3 | 254 |
| 56 | Mutants of the Arabidopsis thaliana Cation/H+ Antiporter AtNHX1 Conferring Increased Salt Tolerance in Yeast. Journal of Biological Chemistry, 2009, 284, 14276-14285. | 1.6 | 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. Genes and Development, 2009, 23, 318-330. | 2.7 | 126 |
| 58 | Highly efficient in vitro adventitious shoot regeneration of peppermint (Mentha x piperita L.) using internodal explants. In Vitro Cellular and Developmental Biology - Plant, 2009, 45, 435-440. | 0.9 | 10 |
| 59 | The Arabidopsis<i>RESURRECTION1</i>Gene Regulates a Novel Antagonistic Interaction in Plant Defense to Biotrophs and Necrotrophs. Plant Physiology, 2009, 151, 290-305. | 2.3 | 56 |
| 60 | Chapter 11 Unexpected Turns and Twists in Structure/Function of PR-Proteins that Connect Energy Metabolism and Immunity. Advances in Botanical Research, 2009, 51, 439-489. | 0.5 | 18 |
| 61 | The SUMO E3 ligase, <i>AtSIZ1</i>, regulates flowering by controlling a salicylic acidâ€mediated floral promotion pathway and through affects on <i>FLC</i> chromatin structure. Plant Journal, 2008, 53, 530-540. | 2.8 | 216 |
| 62 | Reactive oxygen species mediate Na<sup>+</sup>â€induced<i>SOS1</i>mRNA stability in Arabidopsis. Plant Journal, 2008, 53, 554-565. | 2.8 | 214 |
| 63 | Genetic Engineering for Salinity Stress Tolerance. Advances in Plant Biochemistry and Molecular Biology, 2008, , 347-384. | 0.5 | 13 |
| 64 | Involvement of <i>Arabidopsis</i> HOS15 in histone deacetylation and cold tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4945-4950. | 3.3 | 293 |
| 65 | The Arabidopsis Kinase-Associated Protein Phosphatase Regulates Adaptation to Na<sup>+</sup> Stress. Plant Physiology, 2008, 146, 612-622. | 2.3 | 30 |
| 66 | <i>yucca6</i>, a Dominant Mutation in Arabidopsis, Affects Auxin Accumulation and Auxin-Related Phenotypes. Plant Physiology, 2007, 145, 722-735. | 2.3 | 138 |
| 67 | Regulation of Plant Innate Immunity by SUMO E3 Ligase. Plant Signaling and Behavior, 2007, 2, 253-254. | 1.2 | 14 |
| 68 | SIZ1-Mediated Sumoylation of ICE1 Controls CBF3/DREB1A Expression and Freezing Tolerance in Arabidopsis. Plant Cell, 2007, 19, 1403-1414. | 3.1 | 652 |
| 69 | An Enhancer Mutant of Arabidopsis salt overly sensitive 3 Mediates both Ion Homeostasis and the Oxidative Stress Response. Molecular and Cellular Biology, 2007, 27, 5214-5224. | 1.1 | 127 |
| 70 | Control of DNA methylation and heterochromatic silencing by histone H2B deubiquitination. Nature, 2007, 447, 735-738. | 13.7 | 225 |
| 71 | Sodium Stress in the Halophyte <i>Thellungiella halophila</i> and Transcriptional Changes in a <i>thsos1</i>â€RNA Interference Line. Journal of Integrative Plant Biology, 2007, 49, 1484-1496. | 4.1 | 53 |
| 72 | Protease inhibitors from several classes work synergistically against Callosobruchus maculatus. Journal of Insect Physiology, 2007, 53, 734-740. | 0.9 | 45 |

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| 73 | Salicylic acid-mediated innate immunity in Arabidopsis is regulated by SIZ1 SUMO E3 ligase. Plant Journal, 2006, 49, 79-90. | 2.8 | 271 |
| 74 | Identification of plant stress-responsive determinants in arabidopsis by large-scale forward genetic screens. Journal of Experimental Botany, 2006, 57, 1119-1128. | 2.4 | 65 |
| 75 | SIZ1 Small Ubiquitin-Like Modifier E3 Ligase Facilitates Basal Thermotolerance in Arabidopsis Independent of Salicylic Acid. Plant Physiology, 2006, 142, 1548-1558. | 2.3 | 164 |
| 76 | Arabidopsis Carboxyl-Terminal Domain Phosphatase-Like Isoforms Share Common Catalytic and Interaction Domains But Have Distinct in Planta Functions. Plant Physiology, 2006, 142, 586-594. | 2.3 | 41 |
| 77 | The Arabidopsis Tetratricopeptide Repeat-Containing Protein TTL1 Is Required for Osmotic Stress Responses and Abscisic Acid Sensitivity. Plant Physiology, 2006, 142, 1113-1126. | 2.3 | 97 |
| 78 | Osmogenetics: Aristotle to Arabidopsis. Plant Cell, 2006, 18, 1542-1557. | 3.1 | 78 |
| 79 | Unraveling salt tolerance in crops. Nature Genetics, 2005, 37, 1029-1030. | 9.4 | 38 |
| 80 | Mutations in a Conserved Replication Protein Suppress Transcriptional Gene Silencing in a DNA-Methylation-Independent Manner in Arabidopsis. Current Biology, 2005, 15, 1912-1918. | 1.8 | 68 |
| 81 | Abiotic Stress and Plant Genome Evolution. Search for New Models. Plant Physiology, 2005, 138, 127-130. | 2.3 | 124 |
| 82 | HOS10 encodes an R2R3-type MYB transcription factor essential for cold acclimation in plants. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9966-9971. | 3.3 | 173 |
| 83 | The Arabidopsis SUMO E3 ligase SIZ1 controls phosphate deficiency responses. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7760-7765. | 3.3 | 556 |
| 84 | Comparison of Chemical Characteristics of Three Soybean Cysteine Proteinase Inhibitors. Journal of Agricultural and Food Chemistry, 2005, 53, 1591-1597. | 2.4 | 4 |
| 85 | Osmotin Is a Homolog of Mammalian Adiponectin and Controls Apoptosis in Yeast through a Homolog of Mammalian Adiponectin Receptor. Molecular Cell, 2005, 17, 171-180. | 4.5 | 179 |
| 86 | Soyacystatin N Inhibits Proteolysis of Wheat Î±-Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. Journal of Economic Entomology, 2004, 97, 2095-2100. | 0.8 | 11 |
| 87 | Soyacystatin N Inhibits Proteolysis of Wheat Î±-Amylase Inhibitor and Potentiates Toxicity Against Cowpea Weevil. Journal of Economic Entomology, 2004, 97, 2095-2100. | 0.8 | 19 |
| 88 | Uncoupling the Effects of Abscisic Acid on Plant Growth and Water Relations. Analysis of sto1/nced3, an Abscisic Acid-Deficient but Salt Stress-Tolerant Mutant in Arabidopsis. Plant Physiology, 2004, 136, 3134-3147. | 2.3 | 156 |
| 89 | Arabidopsis C-terminal domain phosphatase-like 1 and 2 are essential Ser-5-specific C-terminal domain phosphatases. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14539-14544. | 3.3 | 108 |
| 90 | AtHKT1 Facilitates Na+ Homeostasis and K+ Nutrition in Planta. Plant Physiology, 2004, 136, 2500-2511. | 2.3 | 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. Plant Physiology, 2004, 135, 1718-1737. | 2.3 | 447 |
| 92 | An Arabidopsis homeodomain transcription factor gene, HOS9, mediates cold tolerance through a CBF-independent pathway. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9873-9878. | 3.3 | 236 |
| 93 | Expressed sequence tags from Thellungiella halophila, a new model to study plant salt-tolerance. Plant Science, 2004, 166, 609-616. | 1.7 | 108 |
| 94 | Inorganic Cations Mediate Plant PR5 Protein Antifungal Activity through Fungal Mnn1- and Mnn4-Regulated Cell Surface Glycans. Molecular Plant-Microbe Interactions, 2004, 17, 780-788. | 1.4 | 26 |
| 95 | Identification of a locus controlling Verticillium disease symptom response in Arabidopsis thaliana. Plant Journal, 2003, 35, 574-587. | 2.8 | 155 |
| 96 | Overexpression of a cell wall glycoprotein in Fusarium oxysporum increases virulence and resistance to a plant PR-5 protein. Plant Journal, 2003, 36, 390-400. | 2.8 | 41 |
| 97 | Crystal structure of osmotin, a plant antifungal protein. Proteins: Structure, Function and Bioinformatics, 2003, 54, 170-173. | 1.5 | 101 |
| 98 | Can the Quest for Drought Tolerant Crops AvoidArabidopsisAny Longer?. The Journal of Crop Improvement: Innovations in Practiceory and Research, 2003, 7, 99-129. | 0.4 | 4 |
| 99 | Identification of Regions of the Tomato Î³-Glutamyl Kinase That Are Involved in Allosteric Regulation by Proline. Journal of Biological Chemistry, 2003, 278, 14203-14210. | 1.6 | 39 |
| 100 | The STT3a Subunit Isoform of the Arabidopsis Oligosaccharyltransferase Controls Adaptive Responses to Salt/Osmotic Stress. Plant Cell, 2003, 15, 2273-2284. | 3.1 | 202 |
| 101 | In Defense against Pathogens. Both Plant Sentinels and Foot Soldiers Need to Know the Enemy,. Plant Physiology, 2003, 131, 1580-1590. | 2.3 | 122 |
| 102 | An Osmotically Induced Cytosolic Ca2+ Transient Activates Calcineurin Signaling to Mediate Ion Homeostasis and Salt Tolerance of Saccharomyces cerevisiae. Journal of Biological Chemistry, 2002, 277, 33075-33080. | 1.6 | 133 |
| 103 | The ascorbic acid cycle mediates signal transduction leading to stress-induced stomatal closure. Functional Plant Biology, 2002, 29, 845. | 1.1 | 23 |
| 104 | Cuticular Waxes on Arabidopsis thaliana Close Relatives Thellungiella halophila and Thellungiella parvula. International Journal of Plant Sciences, 2002, 163, 309-315. | 0.6 | 29 |
| 105 | C-terminal domain phosphatase-like family members (AtCPLs) differentially regulate Arabidopsis thaliana abiotic stress signaling, growth, and development. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10893-10898. | 3.3 | 146 |
| 106 | OSM1/SYP61: A Syntaxin Protein in Arabidopsis Controls Abscisic Acidâ€"Mediated and Non-Abscisic Acidâ€"Mediated Responses to Abiotic Stress. Plant Cell, 2002, 14, 3009-3028. | 3.1 | 204 |
| 107 | Repression of stress-responsive genes by FIERY2, a novel transcriptional regulator in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10899-10904. | 3.3 | 137 |
| 108 | Salt causes ion disequilibriumâ€induced programmed cell death in yeast and plants. Plant Journal, 2002, 29, 649-659. | 2.8 | 261 |

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| 109 | Differential expression and function of Arabidopsis thaliana NHX Na+/H+ antiporters in the salt stress response. Plant Journal, 2002, 30, 529-539. | 2.8 | 491 |
| 110 | Does proline accumulation play an active role in stress-induced growth reduction?. Plant Journal, 2002, 31, 699-712. | 2.8 | 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. Functional Plant Biology, 2001, 28, 999. | 1.1 | 56 |
| 113 | A Plant Defense Response Effector Induces Microbial Apoptosis. Molecular Cell, 2001, 8, 921-930. | 4.5 | 151 |
| 114 | Resistance to the plant PR-5 protein osmotin in the model fungus Saccharomyces cerevisiae is mediated by the regulatory effects of SSD1 on cell wall composition. Plant Journal, 2001, 25, 271-280. | 2.8 | 53 |
| 115 | Phage display selection of hairpin loop soyacystatin variants that mediate high affinity inhibition of a cysteine proteinase. Plant Journal, 2001, 27, 383-391. | 2.8 | 23 |
| 116 | A genomics approach towards salt stress tolerance. Plant Physiology and Biochemistry, 2001, 39, 295-311. | 2.8 | 176 |
| 117 | Bioengineering mint crop improvement. Plant Cell, Tissue and Organ Culture, 2001, 64, 133-144. | 1.2 | 32 |
| 118 | Tobacco and Arabidiopsis SLT1 mediate salt tolerance of yeast. Plant Molecular Biology, 2001, 45, 489-500. | 2.0 | 19 |
| 119 | Title is missing!. Molecular Breeding, 2001, 8, 109-118. | 1.0 | 28 |
| 120 | The effect of genomics on weed management in the 21st century. Weed Science, 2001, 49, 282-289. | 0.8 | 15 |
| 121 | Genes That Are Uniquely Stress Regulated in Salt Overly Sensitive (sos) Mutants. Plant Physiology, 2001, 126, 363-375. | 2.3 | 160 |
| 122 | Learning from the Arabidopsis Experience. The Next Gene Search Paradigm. Plant Physiology, 2001, 127, 1354-1360. | 2.3 | 183 |
| 123 | An In-Gel Assay of a Recombinant Western Corn Rootworm (Diabrotica virgifera virgifera) Cysteine Proteinase Expressed in Yeast. Analytical Biochemistry, 2000, 282, 153-155. | 1.1 | 5 |
| 124 | Heterotrimeric G-proteins of a filamentous fungus regulate cell wall composition and susceptibility to a plant PR-5 protein. Plant Journal, 2000, 22, 61-69. | 2.8 | 45 |
| 125 | Fungal cell wall phosphomannans facilitate the toxic activity of a plant PR-5 protein. Plant Journal, 2000, 23, 375-383. | 2.8 | 89 |
| 126 | PLANTCELLULAR ANDMOLECULARRESPONSES TOHIGHSALINITY. Annual Review of Plant Biology, 2000, 51, 463-499. | 14.2 | 3,766 |

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| 127 | A plant defensive cystatin (soyacystatin) targets cathepsin L-like digestive cysteine proteinases (DvCALs) in the larval midgut of western corn rootworm (Diabrotica virgifera virgifera). FEBS Letters, 2000, 471, 67-70. | 1.3 | 97 |
| 128 | Efficient plant regeneration of native spearmint (Mentha spicata L.). In Vitro Cellular and Developmental Biology - Plant, 1999, 35, 333-338. | 0.9 | 13 |
| 129 | Improved germination under osmotic stress of tobacco plants overexpressing a cell wall peroxidase. FEBS Letters, 1999, 457, 80-84. | 1.3 | 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. | 2.8 | 84 |
| 132 | Plants use calcium to resolve salt stress. Trends in Plant Science, 1998, 3, 411-412. | 4.3 | 113 |
| 133 | Osmotin, a Plant Antifungal Protein, Subverts Signal Transduction to Enhance Fungal Cell Susceptibility. Molecular Cell, 1998, 1, 807-817. | 4.5 | 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. | 2.3 | 50 |
| 135 | Comparative Analysis of the Regulation of Expression and Structures of Two Evolutionarily Divergent Genes for Î”1-Pyrroline-5-Carboxylate Synthetase from Tomato. Plant Physiology, 1998, 118, 661-674. | 2.3 | 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. | 2.3 | 213 |
| 137 | Stress signaling through Ca2+/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. | 3.3 | 202 |
| 138 | Molecular Aspects of Osmotic Stress in Plants. Critical Reviews in Plant Sciences, 1997, 16, 253-277. | 2.7 | 356 |
| 139 | Regulation of protease inhibitors and plant defense. Trends in Plant Science, 1997, 2, 379-384. | 4.3 | 428 |
| 140 | Induction of pathogen resistance and pathogenesis-related genes in tobacco by a heat-stable Trichoderma mycelial extract and plant signal messengers. Physiologia Plantarum, 1997, 100, 341-352. | 2.6 | 27 |
| 141 | Moderately increased constitutive proline does not alter osmotic stress tolerance. Physiologia Plantarum, 1997, 101, 240-246. | 2.6 | 24 |
| 142 | Tissue-specific activation of the osmotin gene by ABA, C2H4 and NaCl involves the same promoter region. Plant Molecular Biology, 1997, 34, 393-402. | 2.0 | 48 |
| 143 | Transgenic sorghum plants obtained after microprojectile bombardment of immature inflorescences. In Vitro Cellular and Developmental Biology - Plant, 1997, 33, 92-100. | 0.9 | 53 |
| 144 | Molecular Aspects of Osmotic Stress in Plants. Critical Reviews in Plant Sciences, 1997, 16, 253-278. | 2.7 | 60 |

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| 145 | Antifungal activity of tobacco osmotin has specificity and involves plasma membrane permeabilization. Plant Science, 1996, 118, 11-23. | 1.7 | 232 |
| 146 | Identification ofN-acetylglucosamine binding residues inGriffonia simplicifolialectin II. FEBS Letters, 1996, 390, 271-274. | 1.3 | 25 |
| 147 | In vivo and in vitro activity of truncated osmotin that is secreted into the extracellular matrix. Plant Science, 1996, 121, 123-131. | 1.7 | 32 |
| 148 | Large quantities of recombinant PR-5 proteins from the extracellular matrix of tobacco: Rapid production of microbial-recalcitrant proteins. Plant Molecular Biology Reporter, 1996, 14, 249-260. | 1.0 | 3 |
| 149 | Alterations in cell membrane structure and expression of a membrane-associated protein after adaptation to osmotic stress. Physiologia Plantarum, 1996, 98, 505-516. | 2.6 | 18 |
| 150 | Alterations in cell membrane structure and expression of a membrane-associated protein after adaptation to osmotic stress. Physiologia Plantarum, 1996, 98, 505-516. | 2.6 | 20 |
| 151 | Activated Calcineurin Confers High Tolerance to Ion Stress and Alters the Budding Pattern and Cell Morphology of Yeast Cells. Journal of Biological Chemistry, 1996, 271, 23061-23067. | 1.6 | 99 |
| 152 | Fine structure and function of the osmotin gene promoter. Plant Molecular Biology, 1995, 29, 1015-1026. | 2.0 | 20 |
| 153 | Osmotin gene expression is controlled by elicitor synergism. Physiologia Plantarum, 1995, 95, 620-626. | 2.6 | 13 |
| 154 | Control of osmotin gene expression by ABA and osmotic stress in vegetative tissues of wild-type and ABA-deficient mutants of tomato. Physiologia Plantarum, 1995, 93, 498-504. | 2.6 | 36 |
| 155 | Control of osmotin gene expression by ABA and osmotic stress in vegetative tissues of wild-type and ABA-deficient mutants of tomato. Physiologia Plantarum, 1995, 93, 498-504. | 2.6 | 26 |
| 156 | Osmotin gene expression is controlled by elicitor synergism. Physiologia Plantarum, 1995, 95, 620-626. | 2.6 | 11 |
| 157 | Plant Defense Genes Are Synergistically Induced by Ethylene and Methyl Jasmonate. Plant Cell, 1994, 6, 1077. | 3.1 | 107 |
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