

Jose M. Pardo

List of Publications by Year in descending order

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25034

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#	ARTICLE	IF	CITATIONS
1	The phosphoinositide PI(3,5)P ₂ inhibits the activity of plant NHX proton/potassium antiporters: Advantages of a novel electrophysiological approach. <i>Biomolecular Concepts</i> , 2022, 13, 119-125.	2.2	1
2	Non-Expresser of PR-Genes 1 Positively Regulates Abscisic Acid Signaling in Arabidopsis thaliana. <i>Plants</i> , 2022, 11, 815.	3.5	3
3	HKT sodium and potassium transporters in <i>Arabidopsis thaliana</i> and related halophyte species. <i>Physiologia Plantarum</i> , 2021, 171, 546-558.	5.2	50
4	Beyond the patch-clamp resolution: functional activity of nonelectrogenic vacuolar NHX proton/potassium antiporters and inhibition by phosphoinositides. <i>New Phytologist</i> , 2021, 229, 3026-3036.	7.3	18
5	Reassessing the Role of Potassium in Tomato Grown with Water Shortages. <i>Horticulturae</i> , 2021, 7, 20.	2.8	13
6	Insights into the mechanisms of transport and regulation of the arabidopsis high-affinity K ⁺ transporter HAK51. <i>Plant Physiology</i> , 2021, 185, 1860-1874.	4.8	32
7	The role of PQL genes in response to salinity tolerance in Arabidopsis and barley. <i>Plant Direct</i> , 2021, 5, e00301.	1.9	1
8	Distinct Roles of N-Terminal Fatty Acid Acylation of the Salinity-Sensor Protein SOS3. <i>Frontiers in Plant Science</i> , 2021, 12, 691124.	3.6	8
9	The Arabidopsis protein NPF6.2/NRT1.4 is a plasma membrane nitrate transporter and a target of protein kinase CIPK23. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 239-251.	5.8	13
10	ABAting the Response: A Novel ABA Signal Terminator that Disrupts the Hormone Co-receptor Complex. <i>Molecular Plant</i> , 2020, 13, 1241-1243.	8.3	0
11	The GIGANTEA-ENHANCED EM LEVEL Complex Enhances Drought Tolerance via Regulation of Abscisic Acid Synthesis. <i>Plant Physiology</i> , 2020, 184, 443-458.	4.8	42
12	HOS15 is a transcriptional corepressor of NPR1-mediated gene activation of plant immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30805-30815.	7.1	21
13	The Histone-Modifying Complex PWR/HOS15/HD2C Epigenetically Regulates Cold Tolerance. <i>Plant Physiology</i> , 2020, 184, 1097-1111.	4.8	32
14	PWR/HDA9/ABI4 Complex Epigenetically Regulates ABA Dependent Drought Stress Tolerance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 623.	3.6	43
15	Coordinated Transport of Nitrate, Potassium, and Sodium. <i>Frontiers in Plant Science</i> , 2020, 11, 247.	3.6	98
16	Desensitization of ABA-Signaling: The Swing From Activation to Degradation. <i>Frontiers in Plant Science</i> , 2020, 11, 379.	3.6	69
17	Recognition and Activation of the Plant AKT1 Potassium Channel by the Kinase CIPK23. <i>Plant Physiology</i> , 2020, 182, 2143-2153.	4.8	51
18	ESCRT-I Component VPS23A Sustains Salt Tolerance by Strengthening the SOS Module in Arabidopsis. <i>Molecular Plant</i> , 2020, 13, 1134-1148.	8.3	37

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19	Rheostatic Control of ABA Signaling through HOS15-Mediated OST1 Degradation. <i>Molecular Plant</i> , 2019, 12, 1447-1462.	8.3	58
20	Editorial: Resistance to Salinity and Water Scarcity in Higher Plants. Insights From Extremophiles and Stress-Adapted Plants: Tools, Discoveries and Future Prospects. <i>Frontiers in Plant Science</i> , 2019, 10, 373.	3.6	6
21	A Critical Role of Sodium Flux via the Plasma Membrane Na ⁺ /H ⁺ Exchanger SOS1 in the Salt Tolerance of Rice. <i>Plant Physiology</i> , 2019, 180, 1046-1065.	4.8	149
22	Regulation of K ⁺ Nutrition in Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 281.	3.6	217
23	Pleiotropic effects of enhancing vacuolar K/H exchange in tomato. <i>Physiologia Plantarum</i> , 2018, 163, 88-102.	5.2	9
24	Upstream kinases of plant SnRKs are involved in salt stress tolerance. <i>Plant Journal</i> , 2018, 93, 107-118.	5.7	64
25	K ⁺ Efflux Antiporters 4, 5, and 6 Mediate pH and K ⁺ Homeostasis in Endomembrane Compartments. <i>Plant Physiology</i> , 2018, 178, 1657-1678.	4.8	65
26	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
27	Molecular Interactions Between Flowering Time and Abiotic Stress Pathways. <i>International Review of Cell and Molecular Biology</i> , 2016, 327, 371-412.	3.2	24
28	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
29	CIPK23 regulates HAK5-mediated high-affinity K ⁺ uptake in Arabidopsis roots. <i>Plant Physiology</i> , 2015, 169, pp.01401.2015.	4.8	174
30	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
31	Structural basis of the regulatory mechanism of the plant CIPK family of protein kinases controlling ion homeostasis and abiotic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4532-41.	7.1	81
32	Control of vacuolar dynamics and regulation of stomatal aperture by tonoplast potassium uptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1806-14.	7.1	171
33	The TRANSPLANTA collection of Arabidopsis lines: a resource for functional analysis of transcription factors based on their conditional overexpression. <i>Plant Journal</i> , 2014, 77, 944-953.	5.7	104
34	A constitutively active form of a durum wheat Na ⁺ /H ⁺ antiporter SOS1 confers high salt tolerance to transgenic Arabidopsis. <i>Plant Cell Reports</i> , 2014, 33, 277-288.	5.6	94
35	Release of SOS2 kinase from sequestration with GIGANTEA determines salt tolerance in Arabidopsis. <i>Nature Communications</i> , 2013, 4, 1352.	12.8	220
36	The Salt Overly Sensitive (SOS) Pathway: Established and Emerging Roles. <i>Molecular Plant</i> , 2013, 6, 275-286.	8.3	528

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37	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
38	Ion Exchangers NHX1 and NHX2 Mediate Active Potassium Uptake into Vacuoles to Regulate Cell Turgor and Stomatal Function in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 1127-1142.	6.6	533
39	Structural Insights on the Plant Salt-Overly-Sensitive 1 (SOS1) Na ⁺ /H ⁺ Antiporter. <i>Journal of Molecular Biology</i> , 2012, 424, 283-294.	4.2	49
40	Expression of wheat Na ⁺ /H ⁺ antiporter TNHXS1 and H ⁺ - pyrophosphatase TVP1 genes in tobacco from a bicistronic transcriptional unit improves salt tolerance. <i>Plant Molecular Biology</i> , 2012, 79, 137-155.	3.9	107
41	Na ⁺ and K ⁺ Transporters in Plant Signaling. <i>Signaling and Communication in Plants</i> , 2011, , 65-98.	0.7	27
42	Regulation of durum wheat Na ⁺ /H ⁺ exchanger TdSOS1 by phosphorylation. <i>Plant Molecular Biology</i> , 2011, 76, 545-556.	3.9	48
43	Activation of the plasma membrane Na/H antiporter Salt-Overly-Sensitive 1 (SOS1) by phosphorylation of an auto-inhibitory C-terminal domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2611-2616.	7.1	341
44	Biotechnology of water and salinity stress tolerance. <i>Current Opinion in Biotechnology</i> , 2010, 21, 185-196.	6.6	182
45	The AtNHX1 exchanger mediates potassium compartmentation in vacuoles of transgenic tomato. <i>Plant Journal</i> , 2010, 61, 495-506.	5.7	268
46	How do vacuolar NHX exchangers function in plant salt tolerance?. <i>Plant Signaling and Behavior</i> , 2010, 5, 792-795.	2.4	147
47	The Na ⁺ /H ⁺ exchanger SOS1 controls extrusion and distribution of Na ⁺ in tomato plants under salinity conditions. <i>Plant Signaling and Behavior</i> , 2009, 4, 973-976.	2.4	65
48	The Phosphate Transporter PHT4;6 Is a Determinant of Salt Tolerance that Is Localized to the Golgi Apparatus of <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2009, 2, 535-552.	8.3	83
49	Loss of Halophytism by Interference with SOS1 Expression. <i>Plant Physiology</i> , 2009, 151, 210-222.	4.8	254
50	Mutants of the <i>Arabidopsis thaliana</i> Cation/H ⁺ Antiporter AtNHX1 Conferring Increased Salt Tolerance in Yeast. <i>Journal of Biological Chemistry</i> , 2009, 284, 14276-14285.	3.4	71
51	Phosphorylation of SOS3-LIKE CALCIUM BINDING PROTEIN8 by SOS2 Protein Kinase Stabilizes Their Protein Complex and Regulates Salt Tolerance in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 1607-1619.	6.6	228
52	The plasma membrane Na ⁺ /H ⁺ antiporter SOS1 is essential for salt tolerance in tomato and affects the partitioning of Na ⁺ between plant organs. <i>Plant, Cell and Environment</i> , 2009, 32, 904-916.	5.7	313
53	Functional characterization of a wheat plasma membrane Na ⁺ /H ⁺ antiporter in yeast. <i>Archives of Biochemistry and Biophysics</i> , 2008, 473, 8-15.	3.0	104
54	Conservation of the Salt Overly Sensitive Pathway in Rice. <i>Plant Physiology</i> , 2007, 143, 1001-1012.	4.8	512

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55	SCABP8/CBL10, a Putative Calcium Sensor, Interacts with the Protein Kinase SOS2 to Protect Arabidopsis Shoots from Salt Stress. <i>Plant Cell</i> , 2007, 19, 1415-1431.	6.6	492
56	Alkali cation exchangers: roles in cellular homeostasis and stress tolerance. <i>Journal of Experimental Botany</i> , 2006, 57, 1181-1199.	4.8	385
57	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
58	Salt stress enhances xylem development and expression of S-adenosyl-l-methionine synthase in lignifying tissues of tomato plants. <i>Planta</i> , 2004, 220, 278-285.	3.2	168
59	Transgenic Evaluation of Activated Mutant Alleles of SOS2 Reveals a Critical Requirement for Its Kinase Activity and C-Terminal Regulatory Domain for Salt Tolerance in Arabidopsis thaliana. <i>Plant Cell</i> , 2004, 16, 435-449.	6.6	163
60	Regulation of Vacuolar Na ⁺ /H ⁺ Exchange in Arabidopsis thaliana by the Salt-Overly-Sensitive (SOS) Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 207-215.	3.4	337
61	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
62	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
63	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
64	Reconstitution in yeast of the Arabidopsis SOS signaling pathway for Na ⁺ homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9061-9066.	7.1	500
65	An Osmotically Induced Cytosolic Ca ²⁺ 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
66	The Arabidopsis Na ⁺ /H ⁺ -Exchanger AtNHX1 Catalyzes Low Affinity Na ⁺ and K ⁺ Transport in Reconstituted Liposomes. <i>Journal of Biological Chemistry</i> , 2002, 277, 2413-2418.	3.4	201
67	The Putative Plasma Membrane Na ⁺ /H ⁺ Antiporter SOS1 Controls Long-Distance Na ⁺ Transport in Plants. <i>Plant Cell</i> , 2002, 14, 465-477.	6.6	1,127
68	Plants and sodium ions: keeping company with the enemy. <i>Genome Biology</i> , 2002, 3, reviews1017.1.	9.6	83
69	Differential expression and function of Arabidopsis thaliana NHX Na ⁺ /H ⁺ antiporters in the salt stress response. <i>Plant Journal</i> , 2002, 30, 529-539.	5.7	491
70	The Long and Winding Road to Halotolerance Genes. , 2002, , 505-533.		10
71	A Plant Defense Response Effector Induces Microbial Apoptosis. <i>Molecular Cell</i> , 2001, 8, 921-930.	9.7	151
72	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

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73	Tobacco and Arabidopsis SLT1 mediate salt tolerance of yeast. <i>Plant Molecular Biology</i> , 2001, 45, 489-500.	3.9	19
74	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
75	The dawn of plant salt tolerance genetics. <i>Trends in Plant Science</i> , 2000, 5, 317-319.	8.8	109
76	Functional conservation between yeast and plant endosomal Na ⁺ /H ⁺ antiporters1. <i>FEBS Letters</i> , 2000, 471, 224-228.	2.8	160
77	Regulation of Ion Homeostasis in Plants and Fungi. , 2000, , 255-267.		0
78	Plants use calcium to resolve salt stress. <i>Trends in Plant Science</i> , 1998, 3, 411-412.	8.8	113
79	Osmotin, a Plant Antifungal Protein, Subverts Signal Transduction to Enhance Fungal Cell Susceptibility. <i>Molecular Cell</i> , 1998, 1, 807-817.	9.7	120
80	Stress signaling through Ca ²⁺ /calmodulin-dependent protein phosphatase calcineurin mediates salt adaptation in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 9681-9686.	7.1	202
81	Stress proteins on the yeast cell surface determine resistance to osmotin, a plant antifungal protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 7082-7087.	7.1	139
82	Salt-Sensitive Mutants of <i>Chlamydomonas reinhardtii</i> Isolated after Insertional Tagging. <i>Plant Physiology</i> , 1996, 112, 99-104.	4.8	18
83	Phosphate transporters from the higher plant <i>Arabidopsis thaliana</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 10519-10523.	7.1	433
84	Activated Calcineurin Confers High Tolerance to Ion Stress and Alters the Budding Pattern and Cell Morphology of Yeast Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 23061-23067.	3.4	99
85	Cloning Salt Tolerance Genes by Insertional Mutagenesis Tagging and Gene Complementation. , 1996, , 101-113.		4
86	Ion Homeostasis in NaCl Stress Environments. <i>Plant Physiology</i> , 1995, 109, 735-742.	4.8	745
87	Molecular characterization of glyoxalase-I from a higher plant; upregulation by stress. <i>Plant Molecular Biology</i> , 1995, 29, 1223-1233.	3.9	163
88	Differential accumulation of S-adenosylmethionine synthetase transcripts in response to salt stress. <i>Plant Molecular Biology</i> , 1994, 25, 217-227.	3.9	175
89	Regulation of root plasma membrane H ⁺ -ATPase in sunflower seedlings. <i>Plant Science</i> , 1991, 79, 163-172.	3.6	36
90	Immunocytolocalization of Plasma Membrane H ⁺ -ATPase. <i>Plant Physiology</i> , 1990, 93, 1654-1658.	4.8	129

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91	A tomato cDNA inducible by salt stress and abscisic acid: nucleotide sequence and expression pattern. <i>Plant Molecular Biology</i> , 1990, 15, 695-705.	3.9	127
92	Biochemical characterization of two cloned resistance determinants encoding a paromomycin acetyltransferase and a paromomycin phosphotransferase from <i>Streptomyces rimosus</i> forma <i>paromomycinus</i> . <i>Journal of Bacteriology</i> , 1989, 171, 329-334.	2.2	13
93	Similar short elements in the 5' regions of the STA2 and SGA genes from <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 1988, 239, 179-184.	2.8	15
94	Purification and characterization of a hygromycin B phosphotransferase from <i>Streptomyces hygroscopicus</i> . <i>FEBS Journal</i> , 1987, 162, 419-422.	0.2	14
95	Cloning of the STA2 and SGA genes encoding glucoamylases in yeasts and regulation of their expression by the STA10 gene of <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 1986, 14, 4701-4718.	14.5	39