Jose M Pardo

List of Publications by Year
in descending order

58 papers	10,210 citations	61984 43 h-index	149698 56 g-index
61 all docs	61 docs citations	61 times ranked	6457 citing authors

#	Article	IF	Citations
1	The Putative Plasma Membrane Na+/H+ Antiporter SOS1 Controls Long-Distance Na+ Transport in Plants. Plant Cell, 2002, 14, 465-477.	6.6	1,127
2	Ion Exchangers NHX1 and NHX2 Mediate Active Potassium Uptake into Vacuoles to Regulate Cell Turgor and Stomatal Function in <i>Arabidopsis</i>. Plant Cell, 2012, 24, 1127-1142.	6.6	533
3	The Salt Overly Sensitive (SOS) Pathway: Established and Emerging Roles. Molecular Plant, 2013, 6, 275-286.	8.3	528
4	Conservation of the Salt Overly Sensitive Pathway in Rice. Plant Physiology, 2007, 143, 1001-1012.	4.8	512
5	Reconstitution in yeast of the Arabidopsis SOS signaling pathway for Na+ homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9061-9066.	7.1	500
6	SCABP8/CBL10, a Putative Calcium Sensor, Interacts with the Protein Kinase SOS2 to Protect Arabidopsis Shoots from Salt Stress. Plant Cell, 2007, 19, 1415-1431.	6.6	492
7	Differential expression and function of Arabidopsis thaliana NHX Na+/H+ antiporters in the salt stress response. Plant Journal, 2002, 30, 529-539.	5.7	491
8	Alkali cation exchangers: roles in cellular homeostasis and stress tolerance. Journal of Experimental Botany, 2006, 57, 1181-1199.	4.8	385
9	Activation of the plasma membrane Na/H antiporter Salt-Overly-Sensitive 1 (SOS1) by phosphorylation of an auto-inhibitory C-terminal domain. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2611-2616.	7.1	341
10	Regulation of Vacuolar Na+/H+ Exchange in Arabidopsis thaliana by the Salt-Overly-Sensitive (SOS) Pathway. Journal of Biological Chemistry, 2004, 279, 207-215.	3.4	337
11	The plasma membrane Na⁺/H⁺ antiporter SOS1 is essential for salt tolerance in tomato and affects the partitioning of Na⁺ between plant organs. Plant, Cell and Environment, 2009, 32, 904-916.	5.7	313
12	The AtNHX1 exchanger mediates potassium compartmentation in vacuoles of transgenic tomato. Plant Journal, 2010, 61, 495-506.	5.7	268
13	Loss of Halophytism by Interference with SOS1 Expression. Plant Physiology, 2009, 151, 210-222.	4.8	254
14	Phosphorylation of SOS3-LIKE CALCIUM BINDING PROTEIN8 by SOS2 Protein Kinase Stabilizes Their Protein Complex and Regulates Salt Tolerance in <i>Arabidopsis</i> Â. Plant Cell, 2009, 21, 1607-1619.	6.6	228
15	Release of SOS2 kinase from sequestration with GIGANTEA determines salt tolerance in Arabidopsis. Nature Communications, 2013, 4, 1352.	12.8	220
16	Regulation of K+ Nutrition in Plants. Frontiers in Plant Science, 2019, 10, 281.	3.6	217
17	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.	7.1	202
18	The STT3a Subunit Isoform of the Arabidopsis Oligosaccharyltransferase Controls Adaptive Responses to Salt/Osmotic Stress. Plant Cell, 2003, 15, 2273-2284.	6.6	202

#	ARTICLE	IF	CITATIONS
19	The Arabidopsis Na+/H+Exchanger AtNHX1 Catalyzes Low Affinity Na+ and K+ Transport in Reconstituted Liposomes. Journal of Biological Chemistry, 2002, 277, 2413-2418.	3.4	201
20	Biotechnology of water and salinity stress tolerance. Current Opinion in Biotechnology, 2010, 21, 185-196.	6.6	182
21	CIPK23 regulates HAK5-mediated high-affinity K+ uptake in Arabidopsis roots. Plant Physiology, 2015, 169, pp.01401.2015.	4.8	174
22	Control of vacuolar dynamics and regulation of stomatal aperture by tonoplast potassium uptake. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1806-14.	7.1	171
23	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. Plant Cell, 2004, 16, 435-449.	6.6	163
24	Functional conservation between yeast and plant endosomal Na+/H+antiporters1. FEBS Letters, 2000, 471, 224-228.	2.8	160
25	A Critical Role of Sodium Flux via the Plasma Membrane Na⁺/H⁺ Exchanger SOS1 in the Salt Tolerance of Rice. Plant Physiology, 2019, 180, 1046-1065.	4.8	149
26	How do vacuolar NHX exchangers function in plant salt tolerance?. Plant Signaling and Behavior, 2010, 5, 792-795.	2.4	147
27	Plants use calcium to resolve salt stress. Trends in Plant Science, 1998, 3, 411-412.	8.8	113
28	The dawn of plant salt tolerance genetics. Trends in Plant Science, 2000, 5, 317-319.	8.8	109
29	Expression of wheat Na+/H+ antiporter TNHXS1 and H+- pyrophosphatase TVP1 genes in tobacco from a bicistronic transcriptional unit improves salt tolerance. Plant Molecular Biology, 2012, 79, 137-155.	3.9	107
30	Functional characterization of a wheat plasma membrane Na+/H+ antiporter in yeast. Archives of Biochemistry and Biophysics, 2008, 473, 8-15.	3.0	104
31	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.	3.4	99
32	Coordinated Transport of Nitrate, Potassium, and Sodium. Frontiers in Plant Science, 2020, 11, 247.	3.6	98
33	A constitutively active form of a durum wheat Na+/H+ antiporter SOS1 confers high salt tolerance to transgenic Arabidopsis. Plant Cell Reports, 2014, 33, 277-288.	5.6	94
34	A Single Amino-Acid Substitution in the Sodium Transporter HKT1 Associated with Plant Salt Tolerance. Plant Physiology, 2016, 171, 2112-2126.	4.8	93
35	Plants and sodium ions: keeping company with the enemy. Genome Biology, 2002, 3, reviews1017.1.	9.6	83
36	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.	8.3	83

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37	Structural basis of the regulatory mechanism of the plant CIPK family of protein kinases controlling ion homeostasis and abiotic stress. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4532-41.	7.1	81
38	Mutants of the Arabidopsis thaliana Cation/H+ Antiporter AtNHX1 Conferring Increased Salt Tolerance in Yeast. Journal of Biological Chemistry, 2009, 284, 14276-14285.	3.4	71
39	The Na⁺/H⁺exchanger SOS1 controls extrusion and distribution of Na⁺in tomato plants under salinity conditions. Plant Signaling and Behavior, 2009, 4, 973-976.	2.4	65
40	K⁺ Efflux Antiporters 4, 5, and 6 Mediate pH and K⁺ Homeostasis in Endomembrane Compartments. Plant Physiology, 2018, 178, 1657-1678.	4.8	65
41	Upstream kinases of plant Sn<scp>RK</scp>s are involved in salt stress tolerance. Plant Journal, 2018, 93, 107-118.	5.7	64
42	HKT sodium and potassium transporters in <i>Arabidopsis thaliana</i> and related halophyte species. Physiologia Plantarum, 2021, 171, 546-558.	5.2	50
43	Structural Insights on the Plant Salt-Overly-Sensitive 1 (SOS1) Na+/H+ Antiporter. Journal of Molecular Biology, 2012, 424, 283-294.	4.2	49
44	Regulation of durum wheat Na+/H+ exchanger TdSOS1 by phosphorylation. Plant Molecular Biology, 2011, 76, 545-556.	3.9	48
45	The GIGANTEA-ENHANCED EM LEVEL Complex Enhances Drought Tolerance via Regulation of Abscisic Acid Synthesis. Plant Physiology, 2020, 184, 443-458.	4.8	42
46	ESCRT-I Component VPS23A Sustains Salt Tolerance by Strengthening the SOS Module in Arabidopsis. Molecular Plant, 2020, 13, 1134-1148.	8.3	37
47	Insights into the mechanisms of transport and regulation of the arabidopsis high-affinity K+ transporter HAK51. Plant Physiology, 2021, 185, 1860-1874.	4.8	32
48	Na+ and K+ Transporters in Plant Signaling. Signaling and Communication in Plants, 2011, , 65-98.	0.7	27
49	Tobacco and Arabidiopsis SLT1 mediate salt tolerance of yeast. Plant Molecular Biology, 2001, 45, 489-500.	3.9	19
50	Beyond the patchâ€‐clamp resolution: functional activity of nonelectrogenic vacuolar NHX proton/potassium antiporters and inhibition by phosphoinositides. New Phytologist, 2021, 229, 3026-3036.	7.3	18
51	Reassessing the Role of Potassium in Tomato Grown with Water Shortages. Horticulturae, 2021, 7, 20.	2.8	13
52	The Arabidopsis protein NPF6.2/NRT1.4 is a plasma membrane nitrate transporter and a target of protein kinase CIPK23. Plant Physiology and Biochemistry, 2021, 168, 239-251.	5.8	13
53	The Long and Winding Road to Halotolerance Genes. , 2002, , 505-533.		10
54	Pleiotropic effects of enhancing vacuolar K/H exchange in tomato. Physiologia Plantarum, 2018, 163, 88-102.	5.2	9

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55	Distinct Roles of N-Terminal Fatty Acid Acylation of the Salinity-Sensor Protein SOS3. Frontiers in Plant Science, 2021, 12, 691124.	3.6	8
56	Editorial: Resistance to Salinity and Water Scarcity in Higher Plants. Insights From Extremophiles and Stress-Adapted Plants: Tools, Discoveries and Future Prospects. Frontiers in Plant Science, 2019, 10, 373.	3.6	6
57	The role of PQL genes in response to salinity tolerance in Arabidopsis and barley. Plant Direct, 2021, 5, e00301.	1.9	1
58	The phosphoinositide PI(3,5)P₂ inhibits the activity of plant NHX proton/potassium antiporters: Advantages of a novel electrophysiological approach. Biomolecular Concepts, 2022, 13, 119-125.	2.2	1