Abel Rosado

List of Publications by Year
in descending order

33 papers	1,944 citations	279798 23 h-index	395702 33 g-index
37 all docs	37 docs citations	37 times ranked	2596 citing authors

#	Article	IF	Citations
1	Arabidopsis Synaptotagmin 1 Is Required for the Maintenance of Plasma Membrane Integrity and Cell Viability. Plant Cell, 2009, 20, 3374-3388.	6.6	206
2	The Arabidopsis Synaptotagmin1 Is Enriched in Endoplasmic Reticulum-Plasma Membrane Contact Sites and Confers Cellular Resistance to Mechanical Stresses. Plant Physiology, 2015, 168, 132-143.	4.8	150
3	Staying Tight: Plasmodesmal Membrane Contact Sites and the Control of Cell-to-Cell Connectivity in Plants. Annual Review of Plant Biology, 2016, 67, 337-364.	18.7	143
4	Stitching Organelles: Organization and Function of Specialized Membrane Contact Sites in Plants. Trends in Cell Biology, 2016, 26, 705-717.	7.9	122
5	Identification of the Arabidopsis dry2/sqe1â€5 mutant reveals a central role for sterols in drought tolerance and regulation of reactive oxygen species. Plant Journal, 2009, 59, 63-76.	5.7	114
6	Arabidopsis ribosomal proteins control developmental programs through translational regulation of auxin response factors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19537-19544.	7.1	99
7	The Arabidopsis Tetratricopeptide Repeat-Containing Protein TTL1 Is Required for Osmotic Stress Responses and Abscisic Acid Sensitivity. Plant Physiology, 2006, 142, 1113-1126.	4.8	97
8	Ionic stress enhances ERâ€“PM connectivity via phosphoinositide-associated SYT1 contact site expansion in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1420-1429.	7.1	95
9	Auxin-Mediated Ribosomal Biogenesis Regulates Vacuolar Trafficking inArabidopsisÂ. Plant Cell, 2010, 22, 143-158.	6.6	82
10	TheSUD1Gene Encodes a Putative E3 Ubiquitin Ligase and Is a Positive Regulator of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Activity inArabidopsisÂ Â. Plant Cell, 2013, 25, 728-743.	6.6	78
11	TPR Proteins in Plant Hormone Signaling. Plant Signaling and Behavior, 2006, 1, 229-230.	2.4	64
12	Arabidopsis Squalene Epoxidase 3 (SQE3) Complements SQE1 and Is Important for Embryo Development and Bulk Squalene Epoxidase Activity. Molecular Plant, 2015, 8, 1090-1102.	8.3	59
13	MODIFIED VACUOLE PHENOTYPE1 Is an Arabidopsis Myrosinase-Associated Protein Involved in Endomembrane Protein Trafficking Â Â. Plant Physiology, 2009, 152, 120-132.	4.8	57
14	From shaping organelles to signalling platforms: the emerging functions of plant ERâ€“PM contact sites. Current Opinion in Plant Biology, 2017, 40, 89-96.	7.1	55
15	Multiscale Structural Analysis of Plant ERâ€“PM Contact Sites. Plant and Cell Physiology, 2017, 58, pcw224.	3.1	50
16	The Arabidopsis TETRATRICOPEPTIDE THIOREDOXIN-LIKE Gene Family Is Required for Osmotic Stress Tolerance and Male Sporogenesis Â Â Â. Plant Physiology, 2012, 158, 1252-1266.	4.8	49
17	ABA Alleviates Uptake and Accumulation of Zinc in Grapevine (Vitis vinifera L.) by Inducing Expression of ZIP and Detoxification-Related Genes. Frontiers in Plant Science, 2019, 10, 872.	3.6	46
18	Synaptotagmins at the endoplasmic reticulumâ€“plasma membrane contact sites maintain diacylglycerol homeostasis during abiotic stress. Plant Cell, 2021, 33, 2431-2453.	6.6	41

#	Article	IF	Citations
19	Sortin1-Hypersensitive Mutants Link Vacuolar-Trafficking Defects and Flavonoid Metabolism in Arabidopsis Vegetative Tissues. Chemistry and Biology, 2011, 18, 187-197.	6.0	38
20	Molecular locks and keys: the role of small molecules in phytohormone research. Frontiers in Plant Science, 2014, 5, 709.	3.6	35
21	Rare earth elements induce cytoskeleton-dependent and PI4P-associated rearrangement of SYT1/SYT5 endoplasmic reticulumâ€“plasma membrane contact site complexes in Arabidopsis. Journal of Experimental Botany, 2020, 71, 3986-3998.	4.8	34
22	Genetic and genome-wide transcriptomic analyses identify co-regulation of oxidative response and hormone transcript abundance with vitamin C content in tomato fruit. BMC Genomics, 2012, 13, 187.	2.8	33
23	Sticking With It: ER-PM Membrane Contact Sites as a Coordinating Nexus for Regulating Lipids and Proteins at the Cell Cortex. Frontiers in Cell and Developmental Biology, 2020, 8, 675.	3.7	32
24	A glossary of plant cell structures: Current insights and future questions. Plant Cell, 2022, 34, 10-52.	6.6	27
25	ABA- and ethylene-mediated responses in osmotically stressed tomato are regulated by the TSS2 and TOS1 loci. Journal of Experimental Botany, 2006, 57, 3327-3335.	4.8	22
26	Application of the gene dosage balance hypothesis to auxin-related ribosomal mutants in Arabidopsis. Plant Signaling and Behavior, 2010, 5, 450-452.	2.4	20
27	Overexpression, Purification, and Characterization of Glutaminase-Interacting Protein, a PDZ-Domain Protein from Human Brain. Protein Expression and Purification, 2001, 23, 411-418.	1.3	13
28	Regulation of K+ Transport in Tomato Roots by the TSS1 Locus. Implications in Salt Tolerance. Plant Physiology, 2004, 134, 452-459.	4.8	12
29	Geometry and cellular function of organelle membrane interfaces. Plant Physiology, 2021, 185, 650-662.	4.8	12
30	Isolation and characterization of shs1, a sugar-hypersensitive and ABA-insensitive mutant with multiple stress responses. Plant Molecular Biology, 2007, 65, 295-309.	3.9	10
31	Analysis of Proteinâ€“Lipid Interactions Using Purified C2 Domains. Methods in Molecular Biology, 2016, 1363, 175-187.	0.9	7
32	Analysis of the Arabidopsisdry2/sqe1-5mutant suggests a role for sterols in signaling. Plant Signaling and Behavior, 2009, 4, 873-874.	2.4	5
33	Understanding Plant Vacuolar Trafficking from a Systems Biology Perspective. Plant Physiology, 2010, 154, 545-550.	4.8	1