# Abel Rosado

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | A glossary of plant cell structures: Current insights and future questions. Plant Cell, 2022, 34, 10-52. | 6.6 | 27 |
| 2 | Synaptotagmins at the endoplasmic reticulumâ€“plasma membrane contact sites maintain diacylglycerol homeostasis during abiotic stress. Plant Cell, 2021, 33, 2431-2453. | 6.6 | 41 |
| 3 | Geometry and cellular function of organelle membrane interfaces. Plant Physiology, 2021, 185, 650-662. | 4.8 | 12 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Multiscale Structural Analysis of Plant ERâ€“PM Contact Sites. Plant and Cell Physiology, 2017, 58, pcw224. | 3.1 | 50 |
| 10 | Stitching Organelles: Organization and Function of Specialized Membrane Contact Sites in Plants. Trends in Cell Biology, 2016, 26, 705-717. | 7.9 | 122 |
| 11 | 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 |
| 12 | Analysis of Proteinâ€“Lipid Interactions Using Purified C2 Domains. Methods in Molecular Biology, 2016, 1363, 175-187. | 0.9 | 7 |
| 13 | 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 |
| 14 | 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 |
| 15 | Molecular locks and keys: the role of small molecules in phytohormone research. Frontiers in Plant Science, 2014, 5, 709. | 3.6 | 35 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Sortin1-Hypersensitive Mutants Link Vacuolar-Trafficking Defects and Flavonoid Metabolism in Arabidopsis Vegetative Tissues. Chemistry and Biology, 2011, 18, 187-197. | 6.0 | 38 |
| 21 | Auxin-Mediated Ribosomal Biogenesis Regulates Vacuolar Trafficking inArabidopsisÂ. Plant Cell, 2010, 22, 143-158. | 6.6 | 82 |
| 22 | Understanding Plant Vacuolar Trafficking from a Systems Biology Perspective. Plant Physiology, 2010, 154, 545-550. | 4.8 | 1 |
| 23 | 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 |
| 24 | Analysis of the Arabidopsisdry2/sqe1-5mutant suggests a role for sterols in signaling. Plant Signaling and Behavior, 2009, 4, 873-874. | 2.4 | 5 |
| 25 | 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 |
| 26 | Arabidopsis Synaptotagmin 1 Is Required for the Maintenance of Plasma Membrane Integrity and Cell Viability. Plant Cell, 2009, 20, 3374-3388. | 6.6 | 206 |
| 27 | 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 |
| 28 | 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 |
| 29 | TPR Proteins in Plant Hormone Signaling. Plant Signaling and Behavior, 2006, 1, 229-230. | 2.4 | 64 |
| 30 | 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 |
| 31 | 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 |
| 32 | Regulation of K+ Transport in Tomato Roots by the TSS1 Locus. Implications in Salt Tolerance. Plant Physiology, 2004, 134, 452-459. | 4.8 | 12 |
| 33 | 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 |