# Jose J. Sanchez Serrano

## List of Publications by Year in Descending Order



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| 41 papers | 6,065 citations | 32 h-index | 41 g-index |
| 41 ext. papers | 6,775 ext. citations | 7.7 avg, IF | 5.18 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 41 | MTV proteins unveil ER- and microtubule-associated compartments in the plant vacuolar trafficking pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 9884-9895 | 11.5 | 9 |
| 40 | SEIPIN Proteins Mediate Lipid Droplet Biogenesis to Promote Pollen Transmission and Reduce Seed Dormancy. *Plant Physiology*, **2018**, 176, 1531-1546 | 6.6 | 32 |
| 39 | RIMA-Dependent Nuclear Accumulation of IYO Triggers Auxin-Irreversible Cell Differentiation in Arabidopsis. *Plant Cell*, **2017**, 29, 575-588 | 11.6 | 14 |
| 38 | Silencing of OPR3 in tomato reveals the role of OPDA in callose deposition during the activation of defense responses against Botrytis cinerea. *Plant Journal*, **2015**, 81, 304-15 | 6.9 | 63 |
| 37 | Jasmonate-dependent modifications of the pectin matrix during potato development function as a defense mechanism targeted by Dickeya dadantii virulence factors. *Plant Journal*, **2014**, 77, 418-29 | 6.9 | 17 |
| 36 | Negative control of BAK1 by protein phosphatase 2A during plant innate immunity. *EMBO Journal*, **2014**, 33, 2069-79 | 13 | 102 |
| 35 | Specialized functions of the PP2A subfamily II catalytic subunits PP2A-C3 and PP2A-C4 in the distribution of auxin fluxes and development in Arabidopsis. *Plant Journal*, **2013**, 73, 862-72 | 6.9 | 52 |
| 34 | A molecular switch for initiating cell differentiation in Arabidopsis. *Current Biology*, **2011**, 21, 999-1008 | 6.3 | 28 |
| 33 | Increasing omega-3 desaturase expression in tomato results in altered aroma profile and enhanced resistance to cold stress. *Plant Physiology*, **2010**, 153, 655-65 | 6.6 | 87 |
| 32 | Bridging the gap between plant and mammalian polyamine catabolism: a novel peroxisomal polyamine oxidase responsible for a full back-conversion pathway in Arabidopsis. *Plant Physiology*, **2008**, 147, 1845-57 | 6.6 | 160 |
| 31 | A protein phosphatase 2A catalytic subunit is a negative regulator of abscisic acid signalling. *Plant Journal*, **2007**, 51, 763-78 | 6.9 | 85 |
| 30 | Differential distribution of the lipoxygenase pathway enzymes within potato chloroplasts. *Journal of Experimental Botany*, **2007**, 58, 555-68 | 7 | 78 |
| 29 | Divergent functions of VTI12 and VTI11 in trafficking to storage and lytic vacuoles in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 3645-50 | 11.5 | 117 |
| 28 | ABA is an essential signal for plant resistance to pathogens affecting JA biosynthesis and the activation of defenses in Arabidopsis. *Plant Cell*, **2007**, 19, 1665-81 | 11.6 | 621 |
| 27 | VPEgamma exhibits a caspase-like activity that contributes to defense against pathogens. *Current Biology*, **2004**, 14, 1897-906 | 6.3 | 216 |
| 26 | JASMONATE-INSENSITIVE1 encodes a MYC transcription factor essential to discriminate between different jasmonate-regulated defense responses in Arabidopsis. *Plant Cell*, **2004**, 16, 1938-50 | 11.6 | 925 |
| 25 | Interactions Between Signaling Compounds Involved in Plant Defense. *Journal of Plant Growth Regulation*, **2003**, 22, 82-98 | 4.7 | 177 |

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| 24 | ETHYLENE RESPONSE FACTOR1 integrates signals from ethylene and jasmonate pathways in plant defense. *Plant Cell*, **2003**, 15, 165-78 | 11.6 | 913 |
| 23 | Targeted expression of human serum albumin to potato tubers. *Transgenic Research*, **2002**, 11, 337-46 | 3.3 | 69 |
| 22 | Lipoxygenase H1 gene silencing reveals a specific role in supplying fatty acid hydroperoxides for aliphatic aldehyde production. *Journal of Biological Chemistry*, **2002**, 277, 416-23 | 5.4 | 70 |
| 21 | Physiological response of Colorado potato beetle and beet armyworm larvae to depletion of wound-inducible proteinase inhibitors in transgenic potato plants. *Journal of Insect Physiology*, **2001**, 47, 1291-1300 | 2.4 | 19 |
| 20 | Hydroperoxide lyase depletion in transgenic potato plants leads to an increase in aphid performance. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 8139-44 | 11.5 | 218 |
| 19 | Oxylipin profiling reveals the preferential stimulation of the 9-lipoxygenase pathway in elicitor-treated potato cells. *Journal of Biological Chemistry*, **2001**, 276, 6267-73 | 5.4 | 125 |
| 18 | Antisense-mediated depletion of a potato lipoxygenase reduces wound induction of proteinase inhibitors and increases weight gain of insect pests. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 1146-51 | 11.5 | 147 |
| 17 | Molecular biology of jasmonic acid biosynthesis in plants. *Plant Physiology and Biochemistry*, **1999**, 37, 373-380 | 5.4 | 53 |
| 16 | Cross-talk between wound signalling pathways determines local versus systemic gene expression in Arabidopsis thaliana. *Plant Journal*, **1999**, 20, 135-142 | 6.9 | 180 |
| 15 | Antisense-mediated depletion of potato leaf omega3 fatty acid desaturase lowers linolenic acid content and reduces gene activation in response to wounding. *FEBS Journal*, **1999**, 262, 283-90 | | 23 |
| 14 | Jasmonic acid-dependent and -independent wound signal transduction pathways are differentially regulated by Ca2+/calmodulin in Arabidopsis thaliana. *Molecular Genetics and Genomics*, **1998**, 258, 412-9 | | 98 |
| 13 | Reversible protein phosphorylation regulates jasmonic acid-dependent and -independent wound signal transduction pathways in Arabidopsis thaliana. *Plant Journal*, **1998**, 13, 153-65 | 6.9 | 134 |
| 12 | Jasmonic acid-dependent and -independent signaling pathways control wound-induced gene activation in Arabidopsis thaliana. *Plant Physiology*, **1997**, 115, 817-26 | 6.6 | 191 |
| 11 | Abscisic acid and jasmonic acid activate wound-inducible genes in potato through separate, organ-specific signal transduction pathways. *Plant Journal*, **1997**, 11, 773-82 | 6.9 | 82 |
| 10 | Characterization of three potato lipoxygenases with distinct enzymatic activities and different organ-specific and wound-regulated expression patterns. *Journal of Biological Chemistry*, **1996**, 271, 21012-9 | 5.4 | 162 |
| 9 | Identification of potato nuclear proteins binding to the distal promoter region of the proteinase inhibitor II gene. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 7205-9 | 11.5 | 13 |
| 8 | Gene expression during tuber development in potato plants. *FEBS Letters*, **1990**, 268, 334-8 | 3.8 | 59 |
| 7 | Nuclear proteins binding to a cauliflower mosaic virus 35S truncated promoter. *Molecular Genetics and Genomics*, **1989**, 217, 209-14 | | 33 |

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| 6 | Abscisic acid is involved in the wound-induced expression of the proteinase inhibitor II gene in potato and tomato. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 9851-5 | 11.5 | 259 |
| 5 | Systemic induction of proteinase-inhibitor-II gene expression in potato plants by wounding. *Planta*, **1988**, 174, 84-9 | 4.7 | 124 |
| 4 | Nucleotide sequence of proteinase inhibitor II encoding cDNA of potato (Solanum tuberosum) and its mode of expression. *Molecular Genetics and Genomics*, **1986**, 203, 15-20 | | 81 |
| 3 | Primary structure of a proteinase inhibitor II gene from potato (Solanum tuberosum). *Nucleic Acids Research*, **1986**, 14, 5641-50 | 20.1 | 90 |
| 2 | Disease Symptoms on Plants by Non-Phytopathogenic Bacteria. *Journal of Phytopathology*, **1982**, 104, 309-315 | 1.8 | 1 |
| 1 | DNA from Agrobacterium rhizogenes in transferred to and expressed in axenic hairy root plant tissues. *Molecular Genetics and Genomics*, **1982**, 186, 16-22 | | 138 |