

Jose Luis Reyes

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

4,991
citations

159585

30
h-index

197818

49
g-index

51
all docs

51
docs citations

51
times ranked

5696
citing authors

#	ARTICLE	IF	CITATIONS
1	ABA induction of miR159 controls transcript levels of two MYB factors during Arabidopsis seed germination. <i>Plant Journal</i> , 2007, 49, 592-606.	5.7	689
2	Expression of artificial microRNAs in transgenic <i>Arabidopsis thaliana</i> confers virus resistance. <i>Nature Biotechnology</i> , 2006, 24, 1420-1428.	17.5	519
3	The <i>GIGANTEA</i> -Regulated MicroRNA172 Mediates Photoperiodic Flowering Independent of <i>CONSTANS</i> in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2007, 19, 2736-2748.	6.6	438
4	Prediction and identification of <i>Arabidopsis thaliana</i> microRNAs and their mRNA targets. <i>Genome Biology</i> , 2004, 5, R65.	9.6	367
5	microRNA-directed cleavage of <i>ATHB15</i> mRNA regulates vascular development in <i>Arabidopsis</i> inflorescence stems. <i>Plant Journal</i> , 2005, 42, 84-94.	5.7	334
6	Conserved and novel miRNAs in the legume <i>Phaseolus vulgaris</i> in response to stress. <i>Plant Molecular Biology</i> , 2009, 70, 385-401.	3.9	235
7	Essential role of MYB transcription factor: PvPHR1 and microRNA: PvmiR399 in phosphorus-deficiency signalling in common bean roots. <i>Plant, Cell and Environment</i> , 2008, 31, 1834-1843.	5.7	178
8	Post-transcriptional gene regulation of salinity and drought responses by plant microRNAs. <i>Plant, Cell and Environment</i> , 2010, 33, 481-489.	5.7	177
9	MicroRNA expression profile in common bean (<i>Phaseolus vulgaris</i>) under nutrient deficiency stresses and manganese toxicity. <i>New Phytologist</i> , 2010, 187, 805-818.	7.3	174
10	Functional Analysis of the Group 4 Late Embryogenesis Abundant Proteins Reveals Their Relevance in the Adaptive Response during Water Deficit in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2010, 154, 373-390.	4.8	173
11	Hydrophilins from distant organisms can protect enzymatic activities from water limitation effects in vitro. <i>Plant, Cell and Environment</i> , 2005, 28, 709-718.	5.7	153
12	The Micro-RNA172c-APETALA2-1 Node as a Key Regulator of the Common Bean- <i>Rhizobium etli</i> Nitrogen Fixation Symbiosis. <i>Plant Physiology</i> , 2015, 168, 273-291.	4.8	134
13	Functional dissection of Hydrophilins during <i>in vitro</i> freeze protection. <i>Plant, Cell and Environment</i> , 2008, 31, 1781-1790.	5.7	125
14	Regulation of Copper Homeostasis and Biotic Interactions by MicroRNA 398b in Common Bean. <i>PLoS ONE</i> , 2014, 9, e84416.	2.5	109
15	Identification and characterization of microRNAs in <i>Phaseolus vulgaris</i> by high-throughput sequencing. <i>BMC Genomics</i> , 2012, 13, 83.	2.8	106
16	Late embryogenesis abundant proteins. <i>Plant Signaling and Behavior</i> , 2011, 6, 586-589.	2.4	99
17	The C-terminal region of hPrp8 interacts with the conserved GU dinucleotide at the 5' splice site. <i>Rna</i> , 1999, 5, 167-179.	3.5	87
18	RcDhn5, a cold acclimation-responsive dehydrin from <i>Rhododendron catawbiense</i> rescues enzyme activity from dehydration effects in vitro and enhances freezing tolerance in <i>RcDhn5</i> overexpressing <i>Arabidopsis</i> plants. <i>Physiologia Plantarum</i> , 2008, 134, 583-597.	5.2	78

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19	Polarized Gene Expression Determines Woronin Body Formation at the Leading Edge of the Fungal Colony. <i>Molecular Biology of the Cell</i> , 2005, 16, 2651-2659.	2.1	76
20	Characterization of small RNAs derived from Citrus exocortis viroid (CEVd) in infected tomato plants. <i>Virology</i> , 2007, 367, 135-146.	2.4	74
21	Phylogenetic Relationships of Platyhelminthes Based on 18S Ribosomal Gene Sequences. <i>Molecular Phylogenetics and Evolution</i> , 1998, 10, 1-10.	2.7	63
22	The Unstructured N-terminal Region of Arabidopsis Group 4 Late Embryogenesis Abundant (LEA) Proteins Is Required for Folding and for Chaperone-like Activity under Water Deficit. <i>Journal of Biological Chemistry</i> , 2016, 291, 10893-10903.	3.4	61
23	Genome-wide identification of the Phaseolus vulgaris sRNAome using small RNA and degradome sequencing. <i>BMC Genomics</i> , 2015, 16, 423.	2.8	49
24	Group 1 LEA proteins, an ancestral plant protein group, are also present in other eukaryotes, and in the archaea and bacteria domains. <i>Molecular Genetics and Genomics</i> , 2013, 288, 503-517.	2.1	47
25	Non-coding RNAs in the plant response to abiotic stress. <i>Planta</i> , 2012, 236, 943-958.	3.2	44
26	The Legume miR1514a modulates a NAC transcription factor transcript to trigger phasiRNA formation in response to drought. <i>Journal of Experimental Botany</i> , 2017, 68, erw380.	4.8	40
27	Two Common Bean Genotypes with Contrasting Response to Phosphorus Deficiency Show Variations in the microRNA 399-Mediated PvPHO2 Regulation within the PvPHR1 Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2013, 14, 8328-8344.	4.1	37
28	First step in pre-miRNAs processing by human Dicer. <i>Acta Pharmacologica Sinica</i> , 2009, 30, 1177-1185.	6.1	35
29	Group 4 late embryogenesis abundant proteins as a model to study intrinsically disordered proteins in plants. <i>Plant Signaling and Behavior</i> , 2017, 12, e1343777.	2.4	35
30	A birds'â€œeye view of the activity and specificity of the <scp>mRNA m⁶</scp> methyltransferase complex. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1618.	6.4	34
31	A Group 6 Late Embryogenesis Abundant Protein from Common Bean Is a Disordered Protein with Extended Helical Structure and Oligomer-forming Properties. <i>Journal of Biological Chemistry</i> , 2014, 289, 31995-32009.	3.4	33
32	A dicistronic precursor encoding miR398 and the legumeâ€œspecific miR2119 coregulates CSD1 and ADH1 mRNAs in response to water deficit. <i>Plant, Cell and Environment</i> , 2019, 42, 133-144.	5.7	29
33	Small RNA differential expression and regulation in TuxpeÃ±o maize embryogenic callus induction and establishment. <i>Plant Physiology and Biochemistry</i> , 2018, 122, 78-89.	5.8	22
34	Gene Silencing of Argonaute5 Negatively Affects the Establishment of the Legume-Rhizobia Symbiosis. <i>Genes</i> , 2017, 8, 352.	2.4	19
35	The Phaseolus vulgaris miR159a precursor encodes a second differentially expressed microRNA. <i>Plant Molecular Biology</i> , 2012, 80, 103-115.	3.9	17
36	The Class II Trehalose 6-phosphate Synthase Gene PvTPS9 Modulates Trehalose Metabolism in Phaseolus vulgaris Nodules. <i>Frontiers in Plant Science</i> , 2016, 7, 1589.	3.6	16

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37	Northern Blot Analysis of microRNAs and Other Small RNAs in Plants. <i>Methods in Molecular Biology</i> , 2019, 1932, 121-129.	0.9	14
38	A general method of protein purification for recombinant unstructured non-acidic proteins. <i>Protein Expression and Purification</i> , 2011, 80, 47-51.	1.3	13
39	Insights into the function of the phasiRNA-triggering miR1514 in response to stress in legumes. <i>Plant Signaling and Behavior</i> , 2017, 12, e1284724.	2.4	10
40	Cloning of Stress-Responsive MicroRNAs and other Small RNAs from Plants. <i>Methods in Molecular Biology</i> , 2010, 639, 239-251.	0.9	9
41	MicroRNA Zma-miR528 Versatile Regulation on Target mRNAs during Maize Somatic Embryogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5310.	4.1	9
42	Origin and Evolutionary Dynamics of the miR2119 and ADH1 Regulatory Module in Legumes. <i>Genome Biology and Evolution</i> , 2020, 12, 2355-2369.	2.5	7
43	Early events leading to water deficit responses in the liverwort <i>Marchantia polymorpha</i> . <i>Environmental and Experimental Botany</i> , 2020, 178, 104172.	4.2	6
44	The canonical RdDM pathway mediates the control of seed germination timing under salinity. <i>Plant Journal</i> , 2021, 105, 691-707.	5.7	4
45	Determining the Protective Activity of IDPs Under Partial Dehydration and Freeze-Thaw Conditions. <i>Methods in Molecular Biology</i> , 2020, 2141, 519-528.	0.9	3
46	Interactions between light and carbon signaling pathways in <i>Arabidopsis</i> . <i>Genome Biology</i> , 2004, 5, 213.	9.6	1
47	Determining Abundance of MicroRNAs and Other Small RNAs in Legumes. <i>Methods in Molecular Biology</i> , 2013, 1069, 81-92.	0.9	1
48	Signaling by MicroRNAs in Response to Abiotic Stress. , 2013, , 51-67.		1
49	The key role of small RNAs in the making of a leaf. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 393-400.	0.8	1
50	Methylation of Subtelomeric Chromatin Modifies the Expression of the lncRNA TERRA, Disturbing Telomere Homeostasis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3271.	4.1	1