Mario A Arteaga-Vazquez

List of Publications by Year
in descending order

38 papers	3,408 citations	331670 21 h-index	434195 31 g-index
46 all docs	46 docs citations	46 times ranked	4478 citing authors

#	Article	IF	Citations
1	Insights into Land Plant Evolution Garnered from the Marchantia polymorpha Genome. Cell, 2017, 171, 287-304.e15.	28.9	973
2	Control of female gamete formation by a small RNA pathway in Arabidopsis. Nature, 2010, 464, 628-632.	27.8	574
3	Architecture and evolution of a minute plant genome. Nature, 2013, 498, 94-98.	27.8	293
4	Distinct size distribution of endogenous siRNAs in maize: Evidence from deep sequencing in the <i>mop1-1</i> mutant. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14958-14963.	7.1	208
5	Embryo and Endosperm Inherit Distinct Chromatin and Transcriptional States from the Female Gametes in <i>Arabidopsis</i> Â Â. Plant Cell, 2010, 22, 307-320.	6.6	160
6	A Family of MicroRNAs Present in Plants and Animals. Plant Cell, 2007, 18, 3355-3369.	6.6	138
7	A SCARECROW-RETINOBLASTOMA Protein Network Controls Protective Quiescence in the Arabidopsis Root Stem Cell Organizer. PLoS Biology, 2013, 11, e1001724.	5.6	137
8	Paramutation in maize: RNA mediated trans-generational gene silencing. Current Opinion in Genetics and Development, 2010, 20, 156-163.	3.3	121
9	A Dominant Mutation in mediator of paramutation2, One of Three Second-Largest Subunits of a Plant-Specific RNA Polymerase, Disrupts Multiple siRNA Silencing Processes. PLoS Genetics, 2009, 5, e1000725.	3.5	96
10	RNA-mediated <i>trans</i> -communication can establish paramutation at the <i>b1</i> locus in maize. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12986-12991.	7.1	83
11	Ancient Origin and Recent Innovations of RNA Polymerase IV and V. Molecular Biology and Evolution, 2015, 32, 1788-1799.	8.9	77
12	Identification of miRNAs and Their Targets in the Liverwort<i>Marchantia polymorpha</i>by Integrating RNA-Seq and Degradome Analyses. Plant and Cell Physiology, 2016, 57, 339-358.	3.1	70
13	The Naming of Names: Guidelines for Gene Nomenclature in<i>Marchantia</i>. Plant and Cell Physiology, 2016, 57, 257-261.	3.1	60
14	Specific Tandem Repeats Are Sufficient for Paramutation-Induced Trans-Generational Silencing. PLoS Genetics, 2013, 9, e1003773.	3.5	48
15	Marchantia liverworts as a proxy to plantsâ€™ basal microbiomes. Scientific Reports, 2018, 8, 12712.	3.3	46
16	Non-coding RNAs in the plant response to abiotic stress. Planta, 2012, 236, 943-958.	3.2	44
17	A spatial dissection of the Arabidopsis floral transcriptome by MPSS. BMC Plant Biology, 2008, 8, 43.	3.6	35
18	Transcriptional analysis of the Arabidopsis ovule by massively parallel signature sequencing. Journal of Experimental Botany, 2012, 63, 3829-3842.	4.8	31

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19	Transcriptional landscapes of Axolotl (Ambystoma mexicanum). Developmental Biology, 2018, 433, 227-239.	2.0	31
20	Vision, challenges and opportunities for a Plant Cell Atlas. ELife, 2021, 10, .	6.0	31
21	Negative regulation of conserved RSL class I bHLH transcription factors evolved independently among land plants. ELife, 2018, 7, .	6.0	31
22	Biotic stress in plants: life lessons from your parents and grandparents. Frontiers in Genetics, 2012, 3, 256.	2.3	22
23	Mechanisms underlying the enhanced biomass and abiotic stress tolerance phenotype of an Arabidopsis MIOX overâ€expresser. Plant Direct, 2019, 3, e00165.	1.9	18
24	Transcriptional and Morpho-Physiological Responses of Marchantia polymorpha upon Phosphate Starvation. International Journal of Molecular Sciences, 2020, 21, 8354.	4.1	17
25	Loss of CG methylation in Marchantia polymorpha causes disorganization of cell division and reveals unique DNA methylation regulatory mechanisms of non-CG methylation. Plant and Cell Physiology, 2018, 59, 2421-2431.	3.1	15
26	The small RNAâ€mediated gene silencing machinery is required in Arabidopsis for stimulation of growth, systemic disease resistance, and suppression of the nitrileâ€specifier gene <i>NSP4</i> by <i>Trichoderma atroviride</i>. Plant Journal, 2022, 109, 873-890.	5.7	13
27	Postâ€mating gene expression of <scp>Mexican</scp> fruit fly females: disentangling the effects of the male accessory glands. Insect Molecular Biology, 2021, 30, 480-496.	2.0	10
28	The Role of microRNAs in Animal Cell Reprogramming. Stem Cells and Development, 2016, 25, 1035-1049.	2.1	8
29	<scp>DNA</scp> methylation in <i>Marchantia polymorpha</i>. New Phytologist, 2019, 223, 575-581.	7.3	8
30	Land Plant Evolution: Listen to Your Elders. Current Biology, 2016, 26, R26-R29.	3.9	4
31	MicroRNAs Sequencing for Understanding the Genetic Regulation of Plant Genomes. , 2016, , .		3
32	Physiological stabilization, community characterization, and nitrogen degradation dynamics in an anammox consortium from estuarine sediments. Water Environment Research, 2021, 93, 636-644.	2.7	1
33	Phosphate Starvation Triggers Transcriptional Changes in the Biosynthesis and Signaling Pathways of Phytohormones in Marchantia polymorphaÂ. Biology and Life Sciences Forum, 2021, 4, 89.	0.6	1
34	miRNAs analysis during prickly pear development. Acta Horticulturae, 2016, , 99-104.	0.2	0
35	Evolution of the Metabolic Network Leading to Ascorbate Synthesis and Degradation Using Marchantia polymorpha as a Model System. , 2017, , 417-430.		0
36	Aspects of Epigenetic Regulation in Cereals. Advances in Botanical Research, 2018, , 361-386.	1.1	0

#	Article	IF	Citations
37	Novel tephritid-specific features revealed from cytological and transcriptomic analysis of Anastrepha ludens embryonic development. Insect Biochemistry and Molecular Biology, 2020, 122, 103412.	2.7	0
38	A New Massive (omics) Analysis for Fruit Development and Other Important Traits in Prickly Pear (Opuntia spp). , 0, , .		0