Olga Mf Pontes

List of Publications by Year
in descending order

36	6,436	186265	377865
papers	citations	28 h-index	34 g-index

56	56	56	6618
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gateway-compatible vectors for plant functional genomics and proteomics. Plant Journal, 2006, 45, 616-629.	5.7	1,658
2	Plant Nuclear RNA Polymerase IV Mediates siRNA and DNA Methylation-Dependent Heterochromatin Formation. Cell, 2005, 120, 613-622.	28.9	602
3	The Arabidopsis Chromatin-Modifying Nuclear siRNA Pathway Involves a Nucleolar RNA Processing Center. Cell, 2006, 126, 79-92.	28.9	399
4	An ARGONAUTE4-Containing Nuclear Processing Center Colocalized with Cajal Bodies in Arabidopsis thaliana. Cell, 2006, 126, 93-106.	28.9	350
5	A Concerted DNA Methylation/Histone Methylation Switch Regulates rRNA Gene Dosage Control and Nucleolar Dominance. Molecular Cell, 2004, 13, 599-609.	9.7	336
6	Chromosomal locus rearrangements are a rapid response to formation of the allotetraploid Arabidopsis suecica genome. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 18240-18245.	7.1	251
7	An SNF2 Protein Associated with Nuclear RNA Silencing and the Spread of a Silencing Signal between Cells in Arabidopsis. Plant Cell, 2007, 19, 1507-1521.	6.6	251
8	An RNA polymerase II- and AGO4-associated protein acts in RNA-directed DNA methylation. Nature, 2010, 465, 106-109.	27.8	228
9	A Histone Acetyltransferase Regulates Active DNA Demethylation in Arabidopsis. Science, 2012, 336, 1445-1448.	12.6	224
10	An Effector of RNA-Directed DNA Methylation in Arabidopsis Is an ARGONAUTE 4- and RNA-Binding Protein. Cell, 2009, 137, 498-508.	28.9	220
11	Erasure of histone acetylation by Arabidopsis HDA6 mediates large-scale gene silencing in nucleolar dominance. Genes and Development, 2006, 20, 1283-1293.	5.9	219
12	VIM1, a methylcytosine-binding protein required for centromeric heterochromatinization. Genes and Development, 2007, 21, 267-277.	5.9	167
13	ROS3 is an RNA-binding protein required for DNA demethylation in Arabidopsis. Nature, 2008, 455, 1259-1262.	27.8	150
14	Multimegabase Silencing in Nucleolar Dominance Involves siRNA-Directed DNA Methylation and Specific Methylcytosine-Binding Proteins. Molecular Cell, 2008, 32, 673-684.	9.7	144
15	Mechanisms of HDA6-mediated rRNA gene silencing: suppression of intergenic Pol II transcription and differential effects on maintenance versus siRNA-directed cytosine methylation. Genes and Development, 2010, 24, 1119-1132.	5.9	143
16	NRPD4, a protein related to the RPB4 subunit of RNA polymerase II, is a component of RNA polymerases IV and V and is required for RNA-directed DNA methylation. Genes and Development, 2009, 23, 318-330.	5.9	126
17	JMJ14, a JmjC domain protein, is required for RNA silencing and cell-to-cell movement of an RNA silencing signal in Arabidopsis. Genes and Development, 2010, 24, 986-991.	5.9	116
18	siRNA and miRNA processing: new functions for Cajal bodies. Current Opinion in Genetics and Development, 2008, 18, 197-203.	3.3	103

#	Article	IF	Citations
19	A conserved transcriptional regulator is required for RNA-directed DNA methylation and plant development. Genes and Development, 2009, 23, 2717-2722.	5.9	92
20	Natural variation in nucleolar dominance reveals the relationship between nucleolus organizer chromatin topology and rRNA gene transcription in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11418-11423.	7.1	85
21	A DNA 3â€² Phosphatase Functions in Active DNA Demethylation in Arabidopsis. Molecular Cell, 2012, 45, 357-370.	9.7	81
22	Posttranscriptional gene silencing in nuclei. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 409-414.	7.1	80
23	Postembryonic Establishment of Megabase-Scale Gene Silencing in Nucleolar Dominance. PLoS ONE, 2007, 2, e1157.	2.5	69
24	RNA Polymerase V Functions in Arabidopsis Interphase Heterochromatin Organization Independently of the 24-nt siRNA-Directed DNA Methylation Pathway. Molecular Plant, 2009, 2, 700-710.	8.3	63
25	Metal A and Metal B Sites of Nuclear RNA Polymerases Pol IV and Pol V Are Required for siRNA-Dependent DNA Methylation and Gene Silencing. PLoS ONE, 2009, 4, e4110.	2.5	51
26	Heterochromatic siRNAs and DDM1 Independently Silence Aberrant 5S rDNA Transcripts in Arabidopsis. PLoS ONE, 2009, 4, e5932.	2.5	42
27	A subgroup of SGS3-like proteins act redundantly in RNA-directed DNA methylation. Nucleic Acids Research, 2012, 40, 4422-4431.	14.5	40
28	Intersection of Small RNA Pathways in Arabidopsis thaliana Sub-Nuclear Domains. PLoS ONE, 2013, 8, e65652.	2.5	40
29	DNA Topoisomerase 1Î± Promotes Transcriptional Silencing of Transposable Elements through DNA Methylation and Histone Lysine 9 Dimethylation in Arabidopsis. PLoS Genetics, 2014, 10, e1004446.	3.5	26
30	Extra views on RNA-dependent DNA methylation and MBD6-dependent heterochromatin formation in nucleolar dominance. Nucleus, 2010, 1, 254-259.	2.2	20
31	IDN2 Interacts with RPA and Facilitates DNA Double-Strand Break Repair by Homologous Recombination in Arabidopsis. Plant Cell, 2017, 29, 589-599.	6.6	19
32	Extra views on RNA-dependent DNA methylation and MBD6-dependent heterochromatin formation in nucleolar dominance. Nucleus, 2010, 1, 254-259.	2.2	15
33	The cytological and molecular role of DOMAINS REARRANGED METHYLTRANSFERASE3 in RNA-dependent DNA methylation of Arabidopsis thaliana. BMC Research Notes, 2014, 7, 721.	1.4	13
34	Heterochromatin: condense or excise. Nature Cell Biology, 2007, 9, 19-20.	10.3	12
35	Connecting the dots of RNA-directed DNA methylation in Arabidopsis thaliana. Chromosome Research, 2014, 22, 225-240.	2.2	0
36	Roles of nonâ€coding, Pol IVâ€dependent RNAs in megabaseâ€scale silencing and longâ€range heterochromatin interactions in Arabidopsis. FASEB Journal, 2008, 22, 534.3.	0.5	0