

Andrzej Tomasz Wierzbicki

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,827
citations

516710

16
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

2910
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncoding Transcription by RNA Polymerase Pol IVb/Pol V Mediates Transcriptional Silencing of Overlapping and Adjacent Genes. <i>Cell</i> , 2008, 135, 635-648.	28.9	645
2	RNA polymerase V transcription guides ARGONAUTE4 to chromatin. <i>Nature Genetics</i> , 2009, 41, 630-634.	21.4	410
3	Subunit Compositions of the RNA-Silencing Enzymes Pol IV and Pol V Reveal Their Origins as Specialized Forms of RNA Polymerase II. <i>Molecular Cell</i> , 2009, 33, 192-203.	9.7	225
4	Control of Chromatin Structure by Long Noncoding RNA. <i>Trends in Cell Biology</i> , 2015, 25, 623-632.	7.9	221
5	An Effector of RNA-Directed DNA Methylation in Arabidopsis Is an ARGONAUTE 4- and RNA-Binding Protein. <i>Cell</i> , 2009, 137, 498-508.	28.9	220
6	A SWI/SNF Chromatin-Remodeling Complex Acts in Noncoding RNA-Mediated Transcriptional Silencing. <i>Molecular Cell</i> , 2013, 49, 298-309.	9.7	178
7	The role of long non-coding RNA in transcriptional gene silencing. <i>Current Opinion in Plant Biology</i> , 2012, 15, 517-522.	7.1	151
8	Spatial and functional relationships among Pol V-associated loci, Pol IV-dependent siRNAs, and cytosine methylation in the <i>Arabidopsis</i> epigenome. <i>Genes and Development</i> , 2012, 26, 1825-1836.	5.9	137
9	A Dicer-Independent Route for Biogenesis of siRNAs that Direct DNA Methylation in Arabidopsis. <i>Molecular Cell</i> , 2016, 61, 222-235.	9.7	134
10	RNA-directed DNA methylation requires stepwise binding of silencing factors to long non-coding RNA. <i>Plant Journal</i> , 2014, 79, 181-191.	5.7	83
11	Long Noncoding RNAs in Plants. <i>Annual Review of Plant Biology</i> , 2021, 72, 245-271.	18.7	83
12	Long non-coding RNA produced by RNA polymerase V determines boundaries of heterochromatin. <i>ELife</i> , 2016, 5, .	6.0	76
13	Independent Chromatin Binding of ARGONAUTE4 and SPT5L/KTF1 Mediates Transcriptional Gene Silencing. <i>PLoS Genetics</i> , 2011, 7, e1002120.	3.5	62
14	RNA polymerase V targets transcriptional silencing components to promoters of protein-coding genes. <i>Plant Journal</i> , 2013, 73, 179-189.	5.7	61
15	Long-range control of gene expression via RNA-directed DNA methylation. <i>PLoS Genetics</i> , 2017, 13, e1006749.	3.5	33
16	Analysis of long non-coding RNAs produced by a specialized RNA polymerase in <i>Arabidopsis thaliana</i> . <i>Methods</i> , 2013, 63, 160-169.	3.8	31
17	Broad noncoding transcription suggests genome surveillance by RNA polymerase V. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30799-30804.	7.1	22
18	The immune repressor BIR1 contributes to antiviral defense and undergoes transcriptional and post-transcriptional regulation during viral infections. <i>New Phytologist</i> , 2019, 224, 421-438.	7.3	16

#	ARTICLE	IF	CITATIONS
19	Evolutionary History and Activity of RNase H1-Like Proteins in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2020, 61, 1107-1119.	3.1	12
20	High-resolution map of plastid-encoded <i>scp</i> RNA polymerase binding patterns demonstrates a major role of transcription in chloroplast gene expression. <i>Plant Journal</i> , 2022, 111, 1139-1151.	5.7	9
21	Silencing: new faces of Morpheus™ molecule. <i>EMBO Journal</i> , 2010, 29, 279-280.	7.8	4
22	Buried in PEAT™ discovery of a new silencing complex with opposing activities. <i>EMBO Journal</i> , 2018, 37, .	7.8	4
23	Reinforcement of transcriptional silencing by a positive feedback between DNA methylation and non-coding transcription. <i>Nucleic Acids Research</i> , 2021, 49, 9799-9808.	14.5	4