

# Daisuke Miki

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

3,226  
citations

201674

27  
h-index

345221

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3991  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three highly conserved hydrophobic residues in the predicted $\alpha$ -helix of rice NLR protein Pit contribute to its localization and immune induction. <i>Plant, Cell and Environment</i> , 2022, , .	5.7	2
2	Roles of DEMETER in regulating DNA methylation in vegetative tissues and pathogen resistance. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 691-706.	8.5	26
3	CRISPR/Cas9-Based Genome Editing Toolbox for <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2021, 2200, 121-146.	0.9	14
4	Gene Targeting Facilitated by Engineered Sequence-Specific Nucleases: Potential Applications for Crop Improvement. <i>Plant and Cell Physiology</i> , 2021, 62, 752-765.	3.1	6
5	Genome-wide distribution and functions of the AAE complex in epigenetic regulation in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2021, 63, 707-722.	8.5	18
6	Gene targeting in <i>Arabidopsis</i> via an all-in-one strategy that uses a translational enhancer to aid Cas9 expression. <i>Plant Biotechnology Journal</i> , 2020, 18, 892-894.	8.3	23
7	DNA demethylases are required for myo-inositol-mediated mutualism between plants and beneficial rhizobacteria. <i>Nature Plants</i> , 2020, 6, 983-995.	9.3	48
8	Histone acetylation recruits the SWR1 complex to regulate active DNA demethylation in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16641-16650.	7.1	73
9	The genome of broomcorn millet. <i>Nature Communications</i> , 2019, 10, 436.	12.8	130
10	DNA demethylase ROS1 negatively regulates the imprinting of <i>DOGL4</i> and seed dormancy in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9962-E9970.	7.1	46
11	Four putative SWI2/SNF2 chromatin remodelers have dual roles in regulating DNA methylation in <i>Arabidopsis</i> . <i>Cell Discovery</i> , 2018, 4, 55.	6.7	22
12	CRISPR/Cas9-mediated gene targeting in <i>Arabidopsis</i> using sequential transformation. <i>Nature Communications</i> , 2018, 9, 1967.	12.8	178
13	The developmental regulator PKL is required to maintain correct DNA methylation patterns at RNA-directed DNA methylation loci. <i>Genome Biology</i> , 2017, 18, 103.	8.8	44
14	Efficient Generation of diRNAs Requires Components in the Posttranscriptional Gene Silencing Pathway. <i>Scientific Reports</i> , 2017, 7, 301.	3.3	34
15	A pair of transposon-derived proteins function in a histone acetyltransferase complex for active DNA demethylation. <i>Cell Research</i> , 2017, 27, 226-240.	12.0	80
16	SAC3B, a central component of the mRNA export complex TREX-2, is required for prevention of epigenetic gene silencing in <i>Arabidopsis</i> . <i>Nucleic Acids Research</i> , 2017, 45, 181-197.	14.5	21
17	The Methyl-CpG-Binding Protein MBD7 Facilitates Active DNA Demethylation to Limit DNA Hyper-Methylation and Transcriptional Gene Silencing. <i>Molecular Cell</i> , 2015, 57, 971-983.	9.7	112
18	Involvement of Multiple Gene-Silencing Pathways in a Paramutation-like Phenomenon in <i>Arabidopsis</i> . <i>Cell Reports</i> , 2015, 11, 1160-1167.	6.4	13

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19	<i>Arabidopsis</i> EDM2 promotes IBM1 distal polyadenylation and regulates genome DNA methylation patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 527-532.	7.1	102
20	Regulation of Active DNA Demethylation by an $\hat{\pm}$ -Crystallin Domain Protein in <i>Arabidopsis</i> . <i>Molecular Cell</i> , 2014, 55, 361-371.	9.7	44
21	Insights into the Localization and Function of the Membrane Trafficking Regulator GNOM ARF-GEF at the Golgi Apparatus in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 3062-3076.	6.6	121
22	Overproduction of stomatal lineage cells in <i>Arabidopsis</i> mutants defective in active DNA demethylation. <i>Nature Communications</i> , 2014, 5, 4062.	12.8	90
23	A Pre-mRNA-Splicing Factor Is Required for RNA-Directed DNA Methylation in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2013, 9, e1003779.	3.5	58
24	Sulfamethazine Suppresses Epigenetic Silencing in <i>Arabidopsis</i> by Impairing Folate Synthesis. <i>Plant Cell</i> , 2012, 24, 1230-1241.	6.6	77
25	A DNA 3 $\hat{\epsilon}$ 2 Phosphatase Functions in Active DNA Demethylation in <i>Arabidopsis</i> . <i>Molecular Cell</i> , 2012, 45, 357-370.	9.7	81
26	A Histone Acetyltransferase Regulates Active DNA Demethylation in <i>Arabidopsis</i> . <i>Science</i> , 2012, 336, 1445-1448.	12.6	224
27	An RNA polymerase II- and AGO4-associated protein acts in RNA-directed DNA methylation. <i>Nature</i> , 2010, 465, 106-109.	27.8	228
28	Knock-down of OsDCL2 in Rice Negatively Affects Maintenance of the Endogenous dsRNA Virus, <i>Oryza sativa</i> Endornavirus. <i>Plant and Cell Physiology</i> , 2010, 51, 58-67.	3.1	35
29	Analysis of the Rac/Rop Small GTPase Family in Rice: Expression, Subcellular Localization and Role in Disease Resistance. <i>Plant and Cell Physiology</i> , 2010, 51, 585-595.	3.1	113
30	DNA Replication Factor C1 Mediates Genomic Stability and Transcriptional Gene Silencing in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 2336-2352.	6.6	72
31	ROS3 is an RNA-binding protein required for DNA demethylation in <i>Arabidopsis</i> . <i>Nature</i> , 2008, 455, 1259-1262.	27.8	150
32	Small interfering RNA (siRNA) targeting of endogenous promoters induces DNA methylation, but not necessarily gene silencing, in rice. <i>Plant Journal</i> , 2008, 53, 65-77.	5.7	65
33	<i>De novo</i> DNA methylation induced by siRNA targeted to endogenous transcribed sequences is gene-specific and <i>OsMet1</i> -independent in rice. <i>Plant Journal</i> , 2008, 56, 539-549.	5.7	29
34	RNAi-mediated Silencing of OsGEN-L (OsGEN-like), a New Member of the RAD2/XPG Nuclease Family, Causes Male Sterility by Defect of Microspore Development in Rice. <i>Plant and Cell Physiology</i> , 2005, 46, 699-715.	3.1	75
35	RNA Silencing of Single and Multiple Members in a Gene Family of Rice. <i>Plant Physiology</i> , 2005, 138, 1903-1913.	4.8	270
36	Simple RNAi Vectors for Stable and Transient Suppression of Gene Function in Rice. <i>Plant and Cell Physiology</i> , 2004, 45, 490-495.	3.1	502