

# Hidetoshi Saze

## List of Publications by Year in descending order

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39  
papers

3,057  
citations

331670

21  
h-index

434195

31  
g-index

41  
all docs

41  
docs citations

41  
times ranked

3237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maintenance of CpG methylation is essential for epigenetic inheritance during plant gametogenesis. <i>Nature Genetics</i> , 2003, 34, 65-69.	21.4	455
2	Erasure of CpG methylation in <i>Arabidopsis</i> alters patterns of histone H3 methylation in heterochromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8823-8827.	7.1	290
3	Control of Genic DNA Methylation by a JmjC Domain-Containing Protein in <i>Arabidopsis thaliana</i> . <i>Science</i> , 2008, 319, 462-465.	12.6	268
4	Control of FWA gene silencing in <i>Arabidopsis thaliana</i> by SINE-related direct repeats. <i>Plant Journal</i> , 2006, 49, 38-45.	5.7	219
5	Heritable epigenetic mutation of a transposon-flanked <i>Arabidopsis</i> gene due to lack of the chromatin-remodeling factor DDM1. <i>EMBO Journal</i> , 2007, 26, 3641-3652.	7.8	205
6	An <i>Arabidopsis</i> JmjC domain protein protects transcribed genes from DNA methylation at CHG sites. <i>EMBO Journal</i> , 2009, 28, 1078-1086.	7.8	203
7	DNA Methylation in Plants: Relationship to Small RNAs and Histone Modifications, and Functions in Transposon Inactivation. <i>Plant and Cell Physiology</i> , 2012, 53, 766-784.	3.1	177
8	Epigenetic Control of Defense Signaling and Priming in Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 1201.	3.6	139
9	Autocatalytic differentiation of epigenetic modifications within the <i>Arabidopsis</i> genome. <i>EMBO Journal</i> , 2010, 29, 3496-3506.	7.8	127
10	Differentiation of epigenetic modifications between transposons and genes. <i>Current Opinion in Plant Biology</i> , 2011, 14, 81-87.	7.1	115
11	A Stress-Activated Transposon in <i>Arabidopsis</i> Induces Transgenerational Abscisic Acid Insensitivity. <i>Scientific Reports</i> , 2016, 6, 23181.	3.3	106
12	Epigenetic memory transmission through mitosis and meiosis in plants. <i>Seminars in Cell and Developmental Biology</i> , 2008, 19, 527-536.	5.0	88
13	Epigenetic regulation of intragenic transposable elements impacts gene transcription in <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> , 2015, 43, 3911-3921.	14.5	86
14	Mechanism for full-length RNA processing of <i>Arabidopsis</i> genes containing intragenic heterochromatin. <i>Nature Communications</i> , 2013, 4, 2301.	12.8	82
15	DNA Methylation within Transcribed Regions. <i>Plant Physiology</i> , 2015, 168, 1219-1225.	4.8	64
16	miR2118-dependent U-rich phasiRNA production in rice anther wall development. <i>Nature Communications</i> , 2020, 11, 3115.	12.8	62
17	Genome-Wide Negative Feedback Drives Transgenerational DNA Methylation Dynamics in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2015, 11, e1005154.	3.5	56
18	Epigenetic inheritance and plant evolution. <i>Population Ecology</i> , 2020, 62, 17-27.	1.2	55

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19	Thioredoxin-Mediated Reductive Activation of a Protein Kinase for the Regulatory Phosphorylation of C4-form Phosphoenolpyruvate Carboxylase from Maize. <i>Plant and Cell Physiology</i> , 2001, 42, 1295-1302.	3.1	52
20	Epigenetic regulation of spurious transcription initiation in Arabidopsis. <i>Nature Communications</i> , 2020, 11, 3224.	12.8	35
21	RNAi-independent <i>de novo</i> DNA methylation revealed in Arabidopsis mutants of chromatin remodeling gene <i>DDM1</i> . <i>Plant Journal</i> , 2012, 70, 750-758.	5.7	34
22	<i>De novo</i> genome assembly and <i>in natura</i> epigenomics reveal salinity-induced DNA methylation in the mangrove tree <i>Bruguiera gymnorhiza</i> . <i>New Phytologist</i> , 2022, 233, 2094-2110.	7.3	25
23	Transcriptional regulation of genes bearing intronic heterochromatin in the rice genome. <i>PLoS Genetics</i> , 2020, 16, e1008637.	3.5	23
24	Negative regulation of DNA methylation in plants. <i>Epigenetics</i> , 2008, 3, 122-124.	2.7	21
25	Transgenerational inheritance of induced changes in the epigenetic state of chromatin in plants. <i>Genes and Genetic Systems</i> , 2012, 87, 145-152.	0.7	20
26	Epigenetic Regulation of Intronic Transgenes in Arabidopsis. <i>Scientific Reports</i> , 2017, 7, 45166.	3.3	18
27	Epigenetic regulation of intragenic transposable elements: a two-edged sword. <i>Journal of Biochemistry</i> , 2018, 164, 323-328.	1.7	12
28	Crystallization and preliminary X-ray diffraction studies of C4-form phosphoenolpyruvate carboxylase from maize. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1937-1938.	2.5	5
29	The First De Novo Transcriptome Assembly and Transcriptomic Dynamics of the Mangrove Tree <i>Rhizophora stylosa</i> Griff. (Rhizophoraceae). <i>International Journal of Molecular Sciences</i> , 2021, 22, 11964.	4.1	5
30	Epigenetic regulation of ecotype-specific expression of the heat-activated transposon ONSEN. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	5
31	De Novo Transcriptome Assembly, Functional Annotation, and Transcriptome Dynamics Analyses Reveal Stress Tolerance Genes in Mangrove Tree ( <i>Bruguiera gymnorhiza</i> ). <i>International Journal of Molecular Sciences</i> , 2021, 22, 9874.	4.1	3
32	Development of a male specific genetic marker for <i>Garcinia subelliptica</i> Merr. tree. <i>Journal of Forest Research</i> , 2021, 26, 222-229.	1.4	2
33	Rice Histone Propionylation and Generation of Chemically Derivatized Synthetic H3 and H4 Peptides for Identification of Acetylation Sites and Quantification. <i>Methods in Molecular Biology</i> , 2020, 2093, 81-92.	0.9	0
34	Transcriptional regulation of genes bearing intronic heterochromatin in the rice genome. , 2020, 16, e1008637.		0
35	Transcriptional regulation of genes bearing intronic heterochromatin in the rice genome. , 2020, 16, e1008637.		0
36	Transcriptional regulation of genes bearing intronic heterochromatin in the rice genome. , 2020, 16, e1008637.		0

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37	Transcriptional regulation of genes bearing intronic heterochromatin in the rice genome. , 2020, 16, e1008637.		0
38	Transcriptional regulation of genes bearing intronic heterochromatin in the rice genome. , 2020, 16, e1008637.		0
39	Transcriptional regulation of genes bearing intronic heterochromatin in the rice genome. , 2020, 16, e1008637.		0