

# Hidetaka Kaya

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

4,539  
citations

279798

23  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

4969  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Pair of Related Genes with Antagonistic Roles in Mediating Flowering Signals. <i>Science</i> , 1999, 286, 1960-1962.	12.6	1,192
2	Local Positive Feedback Regulation Determines Cell Shape in Root Hair Cells. <i>Science</i> , 2008, 319, 1241-1244.	12.6	486
3	FASCIATA Genes for Chromatin Assembly Factor-1 in Arabidopsis Maintain the Cellular Organization of Apical Meristems. <i>Cell</i> , 2001, 104, 131-142.	28.9	446
4	Synergistic Activation of the Arabidopsis NADPH Oxidase AtRbohD by Ca <sup>2+</sup> and Phosphorylation. <i>Journal of Biological Chemistry</i> , 2008, 283, 8885-8892.	3.4	415
5	Efficient targeted mutagenesis of rice and tobacco genomes using Cpf1 from <i>Francisella novicida</i> . <i>Scientific Reports</i> , 2016, 6, 38169.	3.3	264
6	Ca <sup>2+</sup> -Activated Reactive Oxygen Species Production by <i>Arabidopsis</i> RbohH and RbohJ Is Essential for Proper Pollen Tube Tip Growth. <i>Plant Cell</i> , 2014, 26, 1069-1080.	6.6	243
7	BRU1, a novel link between responses to DNA damage and epigenetic gene silencing in Arabidopsis. <i>Genes and Development</i> , 2004, 18, 782-793.	5.9	197
8	Increased frequency of homologous recombination and T-DNA integration in Arabidopsis CAF-1 mutants. <i>EMBO Journal</i> , 2006, 25, 5579-5590.	7.8	158
9	Protein phosphorylation is a prerequisite for the Ca <sup>2+</sup> -dependent activation of Arabidopsis NADPH oxidases and may function as a trigger for the positive feedback regulation of Ca <sup>2+</sup> and reactive oxygen species. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 398-405.	4.1	155
10	Genome editing in plants by engineered CRISPR-Cas9 recognizing NG PAM. <i>Nature Plants</i> , 2019, 5, 14-17.	9.3	154
11	Highly specific targeted mutagenesis in plants using <i>Staphylococcus aureus</i> Cas9. <i>Scientific Reports</i> , 2016, 6, 26871.	3.3	112
12	A low temperature-inducible protein AtSRC2 enhances the ROS-producing activity of NADPH oxidase AtRbohF. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2775-2780.	4.1	84
13	Chromatin assembly factor 1 ensures the stable maintenance of silent chromatin states in Arabidopsis. <i>Genes To Cells</i> , 2006, 11, 153-162.	1.2	81
14	The CBL-interacting protein kinase CIPK26 is a novel interactor of Arabidopsis NADPH oxidase AtRbohF that negatively modulates its ROS-producing activity in a heterologous expression system. <i>Journal of Biochemistry</i> , 2013, 153, 191-195.	1.7	69
15	Comparative analysis of the reactive oxygen species-producing enzymatic activity of Arabidopsis NADPH oxidases. <i>Plant Journal</i> , 2019, 98, 291-300.	5.7	56
16	FE, a phloem-specific Myb-related protein, promotes flowering through transcriptional activation of FLOWERING LOCUS T and FLOWERING LOCUS T INTERACTING PROTEIN 1. <i>Plant Journal</i> , 2015, 83, 1059-1068.	5.7	53
17	An adenine base editor with expanded targeting scope using SpCas9-NGv1 in rice. <i>Plant Biotechnology Journal</i> , 2019, 17, 1476-1478.	8.3	52
18	Apoplasmic ROS production upon pollination by RbohH and RbohJ in Arabidopsis. <i>Plant Signaling and Behavior</i> , 2015, 10, e989050.	2.4	48

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19	A Split <i>Staphylococcus aureus</i> Cas9 as a Compact Genome-Editing Tool in Plants. <i>Plant and Cell Physiology</i> , 2017, 58, 643-649.	3.1	43
20	Cell-cycle-dependent regulation of oxidative stress responses and Ca <sup>2+</sup> permeable channels NtTPC1A/B in tobacco BY-2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 1259-1267.	2.1	38
21	hosoba toge toge , a Syndrome Caused by a Large Chromosomal Deletion Associated with a T-DNA Insertion in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2000, 41, 1055-1066.	3.1	37
22	Reactive oxygen species production and activation mechanism of the rice NADPH oxidase OsRbohB. <i>Journal of Biochemistry</i> , 2012, 152, 37-43.	1.7	36
23	Transient activity of the florigen complex during the floral transition in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2019, 146, .	2.5	35
24	Identification of three kinds of mutually related composite elements conferring S phase-specific transcriptional activation. <i>Plant Journal</i> , 1999, 18, 611-623.	5.7	21
25	Cooperation of two distinct cis-acting elements is necessary for the S phase-specific activation of the wheat histone H3 promoter. <i>Plant Journal</i> , 1997, 11, 1219-1225.	5.7	17
26	The flowering-time gene <i>FT</i> and regulation of flowering in <i>Arabidopsis</i> . <i>Journal of Plant Research</i> , 1998, 111, 277-281.	2.4	14
27	A Simple Heat Treatment Increases SpCas9-Mediated Mutation Efficiency in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2021, 62, 1676-1686.	3.1	14
28	DNA Methylation Affects the Efficiency of Transcription Activator-Like Effector Nucleases-Mediated Genome Editing in Rice. <i>Frontiers in Plant Science</i> , 2017, 8, 302.	3.6	10
29	Deletion of TLS polymerases promotes homologous recombination in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2018, 13, e1483673.	2.4	3
30	Knockout of Tobacco Homologs of <i>Arabidopsis</i> Multi-Antibiotic Resistance 1 Gene Confers a Limited Resistance to Aminoglycoside Antibiotics. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2006.	4.1	3
31	Quantitative Analysis for ROS-Producing Activity and Regulation of Plant NADPH Oxidases in HEK293T Cells. <i>Methods in Molecular Biology</i> , 2022, , 107-122.	0.9	3