

Kousuke Hanada

List of Publications by Year in descending order

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57
papers

6,714
citations

117453

34
h-index

138251

58
g-index

60
all docs

60
docs citations

60
times ranked

9880
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Physcomitrella</i> Genome Reveals Evolutionary Insights into the Conquest of Land by Plants. <i>Science</i> , 2008, 319, 64-69.	6.0	1,712
2	Importance of Lineage-Specific Expansion of Plant Tandem Duplicates in the Adaptive Response to Environmental Stimuli. <i>Plant Physiology</i> , 2008, 148, 993-1003.	2.3	415
3	Evolutionary History and Stress Regulation of Plant Receptor-Like Kinase/Pelle Genes. <i>Plant Physiology</i> , 2009, 150, 12-26.	2.3	340
4	An evolutionary view of functional diversity in family 1 glycosyltransferases. <i>Plant Journal</i> , 2011, 66, 182-193.	2.8	335
5	A comparison of the molecular clock of hepatitis C virus in the United States and Japan predicts that hepatocellular carcinoma incidence in the United States will increase over the next two decades. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15584-15589.	3.3	307
6	Integrative Annotation of 21,037 Human Genes Validated by Full-Length cDNA Clones. <i>PLoS Biology</i> , 2004, 2, e162.	2.6	290
7	Tuning water-use efficiency and drought tolerance in wheat using abscisic acid receptors. <i>Nature Plants</i> , 2019, 5, 153-159.	4.7	203
8	A Large Variation in the Rates of Synonymous Substitution for RNA Viruses and Its Relationship to a Diversity of Viral Infection and Transmission Modes. <i>Molecular Biology and Evolution</i> , 2004, 21, 1074-1080.	3.5	192
9	sORF finder: a program package to identify small open reading frames with high coding potential. <i>Bioinformatics</i> , 2010, 26, 399-400.	1.8	185
10	Phytochrome controls alternative splicing to mediate light responses in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18781-18786.	3.3	182
11	Small open reading frames associated with morphogenesis are hidden in plant genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2395-2400.	3.3	178
12	Genome-wide suppression of aberrant mRNA-like noncoding RNAs by NMD in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2453-2458.	3.3	165
13	Two glycosyltransferases involved in anthocyanin modification delineated by transcriptome independent component analysis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2012, 69, 154-167.	2.8	164
14	A large number of novel coding small open reading frames in the intergenic regions of the <i>Arabidopsis thaliana</i> genome are transcribed and/or under purifying selection. <i>Genome Research</i> , 2007, 17, 632-640.	2.4	157
15	The Origin and Evolution of Porcine Reproductive and Respiratory Syndrome Viruses. <i>Molecular Biology and Evolution</i> , 2005, 22, 1024-1031.	3.5	151
16	Distinct Characteristics of Indole-3-Acetic Acid and Phenylacetic Acid, Two Common Auxins in Plants. <i>Plant and Cell Physiology</i> , 2015, 56, 1641-1654.	1.5	142
17	Light Controls Protein Localization through Phytochrome-Mediated Alternative Promoter Selection. <i>Cell</i> , 2017, 171, 1316-1325.e12.	13.5	99
18	Large-Scale, Lineage-Specific Expansion of a Bric-a-Brac/Tramtrack/Broad Complex Ubiquitin-Ligase Gene Family in Rice. <i>Plant Cell</i> , 2007, 19, 2329-2348.	3.1	96

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19	The Functional Role of Pack-MULEs in Rice Inferred from Purifying Selection and Expression Profile. <i>Plant Cell</i> , 2009, 21, 25-38.	3.1	91
20	Human cytomegalovirus glycoprotein N (gpUL73-gN) genomic variants: identification of a novel subgroup, geographical distribution and evidence of positive selective pressure. <i>Journal of General Virology</i> , 2003, 84, 647-655.	1.3	90
21	AtPep3 is a hormone-like peptide that plays a role in the salinity stress tolerance of plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5810-5815.	3.3	89
22	Evolutionary Persistence of Functional Compensation by Duplicate Genes in Arabidopsis. <i>Genome Biology and Evolution</i> , 2009, 1, 409-414.	1.1	81
23	The Nonsynonymous/Synonymous Substitution Rate Ratio versus the Radical/Conservative Replacement Rate Ratio in the Evolution of Mammalian Genes. <i>Molecular Biology and Evolution</i> , 2007, 24, 2235-2241.	3.5	77
24	Functional Compensation of Primary and Secondary Metabolites by Duplicate Genes in Arabidopsis thaliana. <i>Molecular Biology and Evolution</i> , 2011, 28, 377-382.	3.5	76
25	Hormone-like peptides and small coding genes in plant stress signaling and development. <i>Current Opinion in Plant Biology</i> , 2019, 51, 88-95.	3.5	76
26	Transcriptomic analysis of rice in response to iron deficiency and excess. <i>Rice</i> , 2014, 7, 18.	1.7	74
27	A Genome Scan for Genes Underlying Microgeographic-Scale Local Adaptation in a Wild Arabidopsis Species. <i>PLoS Genetics</i> , 2015, 11, e1005361.	1.5	63
28	Tissue-Specific Transcriptome Analysis Reveals Cell Wall Metabolism, Flavonol Biosynthesis and Defense Responses are Activated in the Endosperm of Germinating Arabidopsis thaliana Seeds. <i>Plant and Cell Physiology</i> , 2012, 53, 16-27.	1.5	58
29	The RNA-binding protein FPA regulates flg22-triggered defense responses and transcription factor activity by alternative polyadenylation. <i>Scientific Reports</i> , 2013, 3, 2866.	1.6	58
30	The H-Invitational Database (H-InvDB), a comprehensive annotation resource for human genes and transcripts. <i>Nucleic Acids Research</i> , 2007, 36, D793-D799.	6.5	57
31	Molecular evolutionary analyses implicate injection treatment for schistosomiasis in the initial hepatitis C epidemics in Japan. <i>Journal of Hepatology</i> , 2005, 42, 47-53.	1.8	53
32	Increased Expression and Protein Divergence in Duplicate Genes Is Associated with Morphological Diversification. <i>PLoS Genetics</i> , 2009, 5, e1000781.	1.5	50
33	Molecular Evolution and Functional Characterization of a Bifunctional Decarboxylase Involved in Lycopodium Alkaloid Biosynthesis. <i>Plant Physiology</i> , 2016, 171, 2432-2444.	2.3	50
34	Origin and evolution of genes related to ABA metabolism and its signaling pathways. <i>Journal of Plant Research</i> , 2011, 124, 455-465.	1.2	39
35	Evola: Ortholog database of all human genes in H-InvDB with manual curation of phylogenetic trees. <i>Nucleic Acids Research</i> , 2007, 36, D787-D792.	6.5	33
36	Identification of endogenous small peptides involved in rice immunity through transcriptomics and proteomics-based screening. <i>Plant Biotechnology Journal</i> , 2020, 18, 415-428.	4.1	33

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37	Genetic Stability of Human T Lymphotropic Virus Type I despite Antiviral Pressures by CTLs. <i>Journal of Immunology</i> , 2007, 178, 5966-5972.	0.4	24
38	Radical amino acid change versus positive selection in the evolution of viral envelope proteins. <i>Gene</i> , 2006, 385, 83-88.	1.0	23
39	Genetic variation of the prevailing porcine respiratory and reproductive syndrome viruses occurring on a pig farm upon vaccination. <i>Archives of Virology</i> , 2006, 151, 2269-2276.	0.9	22
40	PosMed-plus: An Intelligent Search Engine that Inferentially Integrates Cross-Species Information Resources for Molecular Breeding of Plants. <i>Plant and Cell Physiology</i> , 2009, 50, 1249-1259.	1.5	17
41	Degree of Functional Divergence in Duplicates Is Associated with Distinct Roles in Plant Evolution. <i>Molecular Biology and Evolution</i> , 2021, 38, 1447-1459.	3.5	17
42	ARTADE2DB: Improved Statistical Inferences for Arabidopsis Gene Functions and Structure Predictions by Dynamic Structure-Based Dynamic Expression (DSDE) Analyses. <i>Plant and Cell Physiology</i> , 2011, 52, 254-264.	1.5	15
43	A Highly Specific Genome-Wide Association Study Integrated with Transcriptome Data Reveals the Contribution of Copy Number Variations to Specialized Metabolites in <i>Arabidopsis thaliana</i> Accessions. <i>Molecular Biology and Evolution</i> , 2017, 34, 3111-3122.	3.5	14
44	Mutant selection in the self-incompatible plant radish (<i>Raphanus sativus</i> L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.9	14
45	Toward genome-wide metabolotyping and elucidation of metabolic system: metabolic profiling of large-scale bioresources. <i>Journal of Plant Research</i> , 2010, 123, 291-298.	1.2	13
46	Drought stress differentially regulates the expression of small open reading frames (sORFs) in <i>Arabidopsis</i> roots and shoots. <i>Plant Signaling and Behavior</i> , 2016, 11, e1215792.	1.2	13
47	Which plant trait explains the variations in relative growth rate and its response to elevated carbon dioxide concentration among <i>Arabidopsis thaliana</i> ecotypes derived from a variety of habitats?. <i>Oecologia</i> , 2016, 180, 865-876.	0.9	13
48	Increasing genetic diversity of hepatitis C virus in haemophiliacs with human immunodeficiency virus coinfection. <i>Journal of General Virology</i> , 2007, 88, 2513-2519.	1.3	9
49	Substantial expression of novel small open reading frames in <i>Oryza sativa</i>. <i>Plant Signaling and Behavior</i> , 2014, 9, e27848.	1.2	9
50	Functional divergence of duplicate genes several million years after gene duplication in <i>Arabidopsis</i> . <i>DNA Research</i> , 2018, 25, 327-339.	1.5	9
51	Positive selective sweeps of epigenetic mutations regulating specialized metabolites in plants. <i>Genome Research</i> , 2021, 31, 1060-1068.	2.4	9
52	A reduction in selective immune pressure during the course of chronic hepatitis C correlates with diminished biochemical evidence of hepatic inflammation. <i>Virology</i> , 2007, 361, 27-33.	1.1	8
53	Contribution of Functional Divergence Through Copy Number Variations to the Inter-Species and Intra-Species Diversity in Specialized Metabolites. <i>Frontiers in Plant Science</i> , 2019, 10, 1567.	1.7	7
54	Positional correlation analysis improves reconstruction of full-length transcripts and alternative isoforms from noisy array signals or short reads. <i>Bioinformatics</i> , 2012, 28, 929-937.	1.8	6

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55	Enhanced growth rate under elevated CO ₂ conditions was observed for transgenic lines of genes identified by intraspecific variation analyses in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2022, 110, 333-345.	2.0	4
56	Effect of small coding genes on the circadian rhythms under elevated CO ₂ conditions in plants. <i>Plant Molecular Biology</i> , 2020, 104, 55-65.	2.0	2
57	Dephosphorylation of clustered phosphoserine residues in human Grb14 by protein phosphatase 1 and its effect on insulin receptor complex formation. <i>Journal of Peptide Science</i> , 2019, 25, e3207.	0.8	1