

Ryo Fujimoto

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9426642/ryo-fujimoto-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

1,596
citations

25
h-index

37
g-index

75
ext. papers

1,983
ext. citations

3.8
avg, IF

4.5
L-index

#	Paper	IF	Citations
73	Heterosis of Arabidopsis hybrids between C24 and Col is associated with increased photosynthesis capacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 7109-14	11.5	127
72	The role of epigenetics in hybrid vigour. <i>Trends in Genetics</i> , 2013 , 29, 684-90	8.5	101
71	Evolution and control of imprinted FWA genes in the genus Arabidopsis. <i>PLoS Genetics</i> , 2008 , 4, e1000048	4.8	93
70	Recent research on the mechanism of heterosis is important for crop and vegetable breeding systems. <i>Breeding Science</i> , 2018 , 68, 145-158	2	61
69	Epigenetics in plants-vernalisation and hybrid vigour. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011 , 1809, 427-37	6	50
68	Role of DNA methylation in hybrid vigor in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6704-E6711	11.5	49
67	Identification of candidate genes for Fusarium yellows resistance in Chinese cabbage by differential expression analysis. <i>Plant Molecular Biology</i> , 2014 , 85, 247-57	4.6	48
66	Self-compatibility in Brassica napus is caused by independent mutations in S-locus genes. <i>Plant Journal</i> , 2007 , 50, 391-400	6.9	48
65	Recognition specificity of self-incompatibility maintained after the divergence of Brassica oleracea and Brassica rapa. <i>Plant Journal</i> , 2002 , 29, 215-23	6.9	48
64	Commonality of self-recognition specificity of S haplotypes between Brassica oleracea and Brassica rapa. <i>Plant Molecular Biology</i> , 2003 , 52, 617-26	4.6	44
63	Genetic mapping of a fusarium wilt resistance gene in Brassica oleracea. <i>Molecular Breeding</i> , 2012 , 30, 809-818	3.4	41
62	Molecular mechanisms of epigenetic variation in plants. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 9900-22	6.3	37
61	Effects of recombination on hitchhiking diversity in the Brassica self-incompatibility locus complex. <i>Genetics</i> , 2007 , 177, 949-58	4	37
60	Suppression of gene expression of a recessive SP11/SCR allele by an untranscribed SP11/SCR allele in Brassica self-incompatibility. <i>Plant Molecular Biology</i> , 2006 , 61, 577-87	4.6	36
59	Genetic distance of inbred lines of Chinese cabbage and its relationship to heterosis. <i>Plant Gene</i> , 2016 , 5, 1-7	3.1	36
58	Comparison of the genome structure of the self-incompatibility (S) locus in interspecific pairs of S haplotypes. <i>Genetics</i> , 2006 , 173, 1157-67	4	35
57	Map-based cloning of a candidate gene conferring Fusarium yellows resistance in Brassica oleracea. <i>Theoretical and Applied Genetics</i> , 2015 , 128, 119-30	6	34

56	Molecular and cellular characteristics of hybrid vigour in a commercial hybrid of Chinese cabbage. <i>BMC Plant Biology</i> , 2016 , 16, 45	5.3	34
55	Characterization of DNA methyltransferase genes in Brassica rapa. <i>Genes and Genetic Systems</i> , 2006 , 81, 235-42	1.4	33
54	High diversity due to balancing selection in the promoter region of the Medea gene in Arabidopsis lyrata. <i>Current Biology</i> , 2007 , 17, 1885-9	6.3	30
53	An alloplasmic male-sterile line of Brassica oleracea harboring the mitochondria from Diplotaxis muralis expresses a novel chimeric open reading frame, orf72. <i>Plant and Cell Physiology</i> , 2006 , 47, 549-53	4.9	29
52	Gene conversion from SLG to SRK resulting in self-compatibility in Brassica rapa. <i>FEBS Letters</i> , 2006 , 580, 425-30	3.8	29
51	Comparison of Positions of QTLs Conferring Resistance to <i>Xanthomonas campestris</i> pv. <i>Xanthomonas campestris</i> in Brassica oleracea. <i>American Journal of Plant Sciences</i> , 2013 , 04, 11-20	0.5	29
50	Accumulation of quantitative trait loci conferring broad-spectrum clubroot resistance in Brassica oleracea. <i>Molecular Breeding</i> , 2013 , 32, 889-900	3.4	28
49	Epigenetic variation in the FWA gene within the genus Arabidopsis. <i>Plant Journal</i> , 2011 , 66, 831-43	6.9	26
48	The role of FLOWERING LOCUS C in vernalization of Brassica: the importance of vernalization research in the face of climate change. <i>Crop and Pasture Science</i> , 2018 , 69, 30	2.2	25
47	Changes in the Proteome of Xylem Sap in Brassica oleracea in Response to Fusarium oxysporum Stress. <i>Frontiers in Plant Science</i> , 2016 , 7, 31	6.2	25
46	Production of high yield short duration Brassica napus by interspecific hybridization between B. oleracea and B. rapa. <i>Breeding Science</i> , 2014 , 63, 495-502	2	23
45	Hypomethylation and transcriptional reactivation of retrotransposon-like sequences in ddm1 transgenic plants of Brassica rapa. <i>Plant Molecular Biology</i> , 2008 , 66, 463-73	4.6	22
44	Epigenetic regulation of agronomical traits in Brassicaceae. <i>Plant Cell Reports</i> , 2018 , 37, 87-101	5.1	21
43	Development of primer sets that can verify the enrichment of histone modifications, and their application to examining vernalization-mediated chromatin changes in Brassica rapa L. <i>Genes and Genetic Systems</i> , 2016 , 91, 1-10	1.4	20
42	Long noncoding RNAs in Brassica rapa L. following vernalization. <i>Scientific Reports</i> , 2019 , 9, 9302	4.9	19
41	Genome wide gene expression in artificially synthesized amphidiploids of Arabidopsis. <i>Plant Molecular Biology</i> , 2011 , 77, 419-31	4.6	19
40	Genetics of Clubroot and Fusarium Wilt Disease Resistance in Brassica Vegetables: The Application of Marker Assisted Breeding for Disease Resistance. <i>Plants</i> , 2020 , 9,	4.5	18
39	The importance of reproductive barriers and the effect of allopolyploidization on crop breeding. <i>Breeding Science</i> , 2016 , 66, 333-49	2	18

38	Analysis of target sequences of DDM1s in <i>Brassica rapa</i> by MSAP. <i>Plant Cell Reports</i> , 2011 , 30, 81-8	5.1	16
37	Multiple mechanisms and challenges for the application of allopolyploidy in plants. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 8696-721	6.3	16
36	Self-Incompatibility. <i>Advances in Botanical Research</i> , 2007 , 139-154	2.2	16
35	Genome-wide characterization of DNA methylation, small RNA expression, and histone H3 lysine nine di-methylation in <i>Brassica rapa</i> L. <i>DNA Research</i> , 2018 , 25, 511-520	4.5	15
34	The role of FRIGIDA and FLOWERING LOCUS C genes in flowering time of <i>Brassica rapa</i> leafy vegetables. <i>Scientific Reports</i> , 2019 , 9, 13843	4.9	14
33	Comparison of transcriptome profiles by <i>Fusarium oxysporum</i> inoculation between <i>Fusarium</i> yellows resistant and susceptible lines in <i>Brassica rapa</i> L. <i>Plant Cell Reports</i> , 2017 , 36, 1841-1854	5.1	14
32	Identification of DNA methylated regions by using methylated DNA immunoprecipitation sequencing in <i>Brassica rapa</i> . <i>Crop and Pasture Science</i> , 2018 , 69, 107	2.2	12
31	Genetic characterization of inbred lines of Chinese cabbage by DNA markers; towards the application of DNA markers to breeding of F1 hybrid cultivars. <i>Data in Brief</i> , 2016 , 6, 229-37	1.2	12
30	The histone modification H3 lysine 27 tri-methylation has conserved gene regulatory roles in the triplicated genome of <i>Brassica rapa</i> L. <i>DNA Research</i> , 2019 , 26, 433-443	4.5	12
29	A comparison of transcriptome and epigenetic status between closely related species in the genus <i>Arabidopsis</i> . <i>Gene</i> , 2012 , 506, 301-9	3.8	10
28	Assessment of DNA markers for seed contamination testing and selection of disease resistance in cabbage. <i>Euphytica</i> , 2017 , 213, 1	2.1	8
27	The production and characterization of a introgressed by repeated backcrossing to an F. <i>Breeding Science</i> , 2018 , 68, 316-325	2	8
26	The pattern of amplification and differentiation of Ty1-copia and Ty3-gypsy retrotransposons in Brassicaceae species. <i>Genes and Genetic Systems</i> , 2008 , 83, 13-22	1.4	8
25	Genome re-sequencing, SNP analysis, and genetic mapping of the parental lines of a commercial F hybrid cultivar of Chinese cabbage. <i>Breeding Science</i> , 2018 , 68, 375-380	2	7
24	Genome Triplication Leads to Transcriptional Divergence of Genes During Vernalization in the Genus. <i>Frontiers in Plant Science</i> , 2020 , 11, 619417	6.2	6
23	Hybrid Vigor: Importance of Epigenetic Processes and Consequences for Breeding. <i>Advances in Botanical Research</i> , 2018 , 88, 247-275	2.2	6
22	Genome-Wide Analysis of Parent-of-Origin Allelic Expression in Endosperms of Brassicaceae Species, <i>Brassica rapa</i> . <i>Plant and Cell Physiology</i> , 2018 , 59, 2590-2601	4.9	5
21	The Importance of Genetic and Epigenetic Research in the Brassica Vegetables in the Face of Climate Change 2020 , 161-255		5

20	Gene Expression Analysis in Response to Vernalization in Chinese Cabbage (<i>Brassica rapa</i> L.). <i>Horticulture Journal</i> , 2020 , 89, 268-277	1.1	5
19	The transcriptional response to salicylic acid plays a role in Fusarium yellows resistance in <i>Brassica rapa</i> L. <i>Plant Cell Reports</i> , 2021 , 40, 605-619	5.1	4
18	Allele specific DNA marker for fusarium resistance gene in. <i>Breeding Science</i> , 2019 , 69, 308-315	2	3
17	IntroMap: a signal analysis based method for the detection of genomic introgressions. <i>BMC Genetics</i> , 2017 , 18, 101	2.6	3
16	Comparison of Cold Responses for Orthologs of Cabbage Vernalization-related Genes. <i>Horticulture Journal</i> , 2019 , 88, 462-470	1.1	3
15	Genome-wide analysis of long noncoding RNAs, 24-nt siRNAs, DNA methylation and H3K27me3 marks in <i>Brassica rapa</i> . <i>PLoS ONE</i> , 2021 , 16, e0242530	3.7	3
14	Characterization of Histone H3 Lysine 4 and 36 Tri-methylation in L. <i>Frontiers in Plant Science</i> , 2021 , 12, 659634	6.2	3
13	Development of a New DNA Marker for Fusarium Yellows Resistance in Vegetables. <i>Plants</i> , 2021 , 10,	4.5	2
12	Inflorescence abnormalities occur with overexpression of <i>Arabidopsis lyrata</i> FT in the <i>fwa</i> mutant of <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2011 , 181, 496-503	5.3	1
11	Chinese Cabbage (<i>Brassica rapa</i> L. var. <i>pekinensis</i>) Breeding: Application of Molecular Technology 2021 , 59-94		1
10	Research on genome diversity and hybrid vigour in Brassicaceae. <i>Ikushugaku Kenkyu</i> , 2017 , 19, 116-123	0.1	1
9	Breeding for Disease Resistance in Brassica Vegetables Using DNA Marker Selection		1
8	Genetic and Epigenetic Regulation of Vernalization in Brassicaceae 2018 ,		1
7	Transcriptional Association between mRNAs and Their Paired Natural Antisense Transcripts Following <i>Fusarium oxysporum</i> Inoculation in <i>Brassica rapa</i> L.. <i>Horticulturae</i> , 2022 , 8, 17	2.5	1
6	QTL mapping for tuberous stem formation of kohlrabi (<i>Brassica oleracea</i> var. <i>gongylodes</i> L.). <i>Molecular Breeding</i> , 2017 , 37, 1	3.4	0
5	Plant traits regulated by epigenetic mechanisms. <i>Ikushugaku Kenkyu</i> , 2010 , 12, 123-131	0.1	
4	Recent molecular biological studies on Brassica self-incompatibility and future perspectives. <i>Ikushugaku Kenkyu</i> , 2008 , 10, 1-9	0.1	
3	Towards network construction between basic and applied researchers in Brassicaceae. <i>Ikushugaku Kenkyu</i> , 2017 , 19, 21-29	0.1	

2 Correlative gene/genome system in plant breeding. *Ikushugaku Kenkyu*, **2014**, 16, 79-85 0.1

1 The frontier of self-incompatibility study in Brassicaceae and its use in breeding field. *Ikushugaku Kenkyu*, **2019**, 21, 61-68 0.1