

Ryo Fujimoto

List of Publications by Year in Descending Order

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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	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
72	Chinese Cabbage (<i>Brassica rapa</i> L. var. <i>pekinensis</i>) Breeding: Application of Molecular Technology 2021 , 59-94		1
71	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
70	Development of a New DNA Marker for <i>Fusarium</i> Yellows Resistance in Vegetables. <i>Plants</i> , 2021 , 10,	4.5	2
69	Characterization of Histone H3 Lysine 4 and 36 Tri-methylation in <i>L.</i> <i>Frontiers in Plant Science</i> , 2021 , 12, 659634	6.2	3
68	The transcriptional response to salicylic acid plays a role in <i>Fusarium</i> yellows resistance in <i>Brassica rapa</i> L. <i>Plant Cell Reports</i> , 2021 , 40, 605-619	5.1	4
67	Genetics of Clubroot and <i>Fusarium</i> Wilt Disease Resistance in <i>Brassica</i> Vegetables: The Application of Marker Assisted Breeding for Disease Resistance. <i>Plants</i> , 2020 , 9,	4.5	18
66	The Importance of Genetic and Epigenetic Research in the <i>Brassica</i> Vegetables in the Face of Climate Change 2020 , 161-255		5
65	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
64	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
63	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
62	Allele specific DNA marker for <i>fusarium</i> resistance gene in. <i>Breeding Science</i> , 2019 , 69, 308-315	2	3
61	Long noncoding RNAs in <i>Brassica rapa</i> L. following vernalization. <i>Scientific Reports</i> , 2019 , 9, 9302	4.9	19
60	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
59	Comparison of Cold Responses for Orthologs of Cabbage Vernalization-related Genes. <i>Horticulture Journal</i> , 2019 , 88, 462-470	1.1	3
58	The frontier of self-incompatibility study in Brassicaceae and its use in breeding field. <i>Ikushugaku Kenkyu</i> , 2019 , 21, 61-68	0.1	
57	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

56	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
55	Epigenetic regulation of agronomical traits in Brassicaceae. <i>Plant Cell Reports</i> , 2018 , 37, 87-101	5.1	21
54	Genome-wide characterization of DNA methylation, small RNA expression, and histone H3 lysine nine di-methylation in Brassica rapa L. <i>DNA Research</i> , 2018 , 25, 511-520	4.5	15
53	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
52	The production and characterization of a introgressed by repeated backcrossing to an F. <i>Breeding Science</i> , 2018 , 68, 316-325	2	8
51	Genome-Wide Analysis of Parent-of-Origin Allelic Expression in Endosperms of Brassicaceae Species, Brassica rapa. <i>Plant and Cell Physiology</i> , 2018 , 59, 2590-2601	4.9	5
50	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
49	Genetic and Epigenetic Regulation of Vernalization in Brassicaceae 2018 ,		1
48	Hybrid Vigor: Importance of Epigenetic Processes and Consequences for Breeding. <i>Advances in Botanical Research</i> , 2018 , 88, 247-275	2.2	6
47	Assessment of DNA markers for seed contamination testing and selection of disease resistance in cabbage. <i>Euphytica</i> , 2017 , 213, 1	2.1	8
46	QTL mapping for tuberous stem formation of kohlrabi (Brassica oleracea var. gongylodes L.). <i>Molecular Breeding</i> , 2017 , 37, 1	3.4	0
45	Comparison of transcriptome profiles by Fusarium oxysporum inoculation between Fusarium yellows resistant and susceptible lines in Brassica rapa L. <i>Plant Cell Reports</i> , 2017 , 36, 1841-1854	5.1	14
44	IntroMap: a signal analysis based method for the detection of genomic introgressions. <i>BMC Genetics</i> , 2017 , 18, 101	2.6	3
43	Towards network construction between basic and applied researchers in Brassicaceae. <i>Ikushugaku Kenkyu</i> , 2017 , 19, 21-29	0.1	
42	Research on genome diversity and hybrid vigour in Brassicaceae. <i>Ikushugaku Kenkyu</i> , 2017 , 19, 116-123	0.1	1
41	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
40	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
39	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

38	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
37	The importance of reproductive barriers and the effect of allopolyploidization on crop breeding. <i>Breeding Science</i> , 2016 , 66, 333-49	2	18
36	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
35	Genetic distance of inbred lines of Chinese cabbage and its relationship to heterosis. <i>Plant Gene</i> , 2016 , 5, 1-7	3.1	36
34	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
33	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
32	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
31	Correlative gene/genome system in plant breeding. <i>Ikushugaku Kenkyu</i> , 2014 , 16, 79-85	0.1	
30	Accumulation of quantitative trait loci conferring broad-spectrum clubroot resistance in Brassica oleracea. <i>Molecular Breeding</i> , 2013 , 32, 889-900	3.4	28
29	The role of epigenetics in hybrid vigour. <i>Trends in Genetics</i> , 2013 , 29, 684-90	8.5	101
28	Comparison of Positions of QTLs Conferring Resistance to <i>Xanthomonas campestris</i> pv. <i>campestris</i> in Brassica oleracea. <i>American Journal of Plant Sciences</i> , 2013 , 04, 11-20	0.5	29
27	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
26	Genetic mapping of a fusarium wilt resistance gene in Brassica oleracea. <i>Molecular Breeding</i> , 2012 , 30, 809-818	3.4	41
25	A comparison of transcriptome and epigenetic status between closely related species in the genus Arabidopsis. <i>Gene</i> , 2012 , 506, 301-9	3.8	10
24	Molecular mechanisms of epigenetic variation in plants. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 9900-22	6.3	37
23	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
22	Epigenetics in plants-vernalisation and hybrid vigour. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011 , 1809, 427-37	6	50
21	Inflorescence abnormalities occur with overexpression of Arabidopsis lyrata FT in the fwa mutant of Arabidopsis thaliana. <i>Plant Science</i> , 2011 , 181, 496-503	5.3	1

20	Epigenetic variation in the FWA gene within the genus Arabidopsis. <i>Plant Journal</i> , 2011 , 66, 831-43	6.9	26
19	Genome wide gene expression in artificially synthesized amphidiploids of Arabidopsis. <i>Plant Molecular Biology</i> , 2011 , 77, 419-31	4.6	19
18	Analysis of target sequences of DDM1s in Brassica rapa by MSAP. <i>Plant Cell Reports</i> , 2011 , 30, 81-8	5.1	16
17	Plant traits regulated by epigenetic mechanisms. <i>Ikushugaku Kenkyu</i> , 2010 , 12, 123-131	0.1	
16	Evolution and control of imprinted FWA genes in the genus Arabidopsis. <i>PLoS Genetics</i> , 2008 , 4, e1000048	4.8	93
15	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
14	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
13	Recent molecular biological studies on Brassica self-incompatibility and future perspectives. <i>Ikushugaku Kenkyu</i> , 2008 , 10, 1-9	0.1	
12	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
11	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
10	Effects of recombination on hitchhiking diversity in the Brassica self-incompatibility locus complex. <i>Genetics</i> , 2007 , 177, 949-58	4	37
9	Self-Incompatibility. <i>Advances in Botanical Research</i> , 2007 , 139-154	2.2	16
8	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
7	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
6	Gene conversion from SLG to SRK resulting in self-compatibility in Brassica rapa. <i>FEBS Letters</i> , 2006 , 580, 425-30	3.8	29
5	Characterization of DNA methyltransferase genes in Brassica rapa. <i>Genes and Genetic Systems</i> , 2006 , 81, 235-42	1.4	33
4	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
3	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

2	Recognition specificity of self-incompatibility maintained after the divergence of <i>Brassica oleracea</i> and <i>Brassica rapa</i> . <i>Plant Journal</i> , 2002 , 29, 215-23	6.9	48
1	Breeding for Disease Resistance in Brassica Vegetables Using DNA Marker Selection		1