

Toshiyuki Fukuhara

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,563
citations

236925

25
h-index

206112

48
g-index

63
all docs

63
docs citations

63
times ranked

2120
citing authors

#	ARTICLE	IF	CITATIONS
1	Specific interactions between Dicer-like proteins and HYL1/DRB- family dsRNA-binding proteins in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2005, 57, 173-188.	3.9	259
2	Nuclear import of CaMV P6 is required for infection and suppression of the RNA silencing factor DRB4. <i>EMBO Journal</i> , 2008, 27, 2102-2112.	7.8	173
3	Plant dicer-like proteins: double-stranded RNA-cleaving enzymes for small RNA biogenesis. <i>Journal of Plant Research</i> , 2017, 130, 33-44.	2.4	119
4	The dsRNA-binding protein DRB4 interacts with the Dicer-like protein DCL4 in vivo and functions in the trans-acting siRNA pathway. <i>Plant Molecular Biology</i> , 2007, 63, 777-785.	3.9	114
5	<i>Arabidopsis</i> C-terminal domain phosphatase-like 1 and 2 are essential Ser-5-specific C-terminal domain phosphatases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14539-14544.	7.1	108
6	A novel mycovirus associated with four double-stranded RNAs affects host fungal growth in <i>Alternaria alternata</i> . <i>Virus Research</i> , 2009, 140, 179-187.	2.2	108
7	Mycoviruses related to chrysovirus affect vegetative growth in the rice blast fungus <i>Magnaporthe oryzae</i> . <i>Journal of General Virology</i> , 2010, 91, 3085-3094.	2.9	107
8	Molecular characterization of a novel mycovirus in <i>Alternaria alternata</i> manifesting two-sided effects: Down-regulation of host growth and up-regulation of host plant pathogenicity. <i>Virology</i> , 2018, 519, 23-32.	2.4	93
9	Bell pepper endornavirus: molecular and biological properties, and occurrence in the genus <i>Capsicum</i> . <i>Journal of General Virology</i> , 2011, 92, 2664-2673.	2.9	92
10	Virus Latency and the Impact on Plants. <i>Frontiers in Microbiology</i> , 2019, 10, 2764.	3.5	81
11	Specific requirement of DRB4, a dsRNA-binding protein, for the in vitro dsRNA-cleaving activity of <i>Arabidopsis</i> Dicer-like 4. <i>Rna</i> , 2011, 17, 750-760.	3.5	78
12	The wide distribution of endornaviruses, large double-stranded RNA replicons with plasmid-like properties. <i>Archives of Virology</i> , 2006, 151, 995-1002.	2.1	75
13	Distinct substrate specificities of <i>Arabidopsis</i> DCL3 and DCL4. <i>Nucleic Acids Research</i> , 2014, 42, 1845-1856.	14.5	74
14	ICTV Virus Taxonomy Profile: Endornaviridae. <i>Journal of General Virology</i> , 2019, 100, 1204-1205.	2.9	72
15	Molecular characterization of two evolutionarily distinct endornaviruses co-infecting common bean (<i>Phaseolus vulgaris</i>). <i>Journal of General Virology</i> , 2013, 94, 220-229.	2.9	69
16	Phylogenetic analysis of some large double-stranded RNA replicons from plants suggests they evolved from a defective single-stranded RNA virus. <i>Microbiology (United Kingdom)</i> , 2000, 81, 227-233.	1.8	61
17	A simple and rapid method to purify viral dsRNA from plant and fungal tissue. <i>Journal of General Plant Pathology</i> , 2015, 81, 103-107.	1.0	58
18	Double-stranded RNA in rice: A novel RNA replicon in plants. <i>Molecular Genetics and Genomics</i> , 1995, 248, 364-369.	2.4	54

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19	Salt-Tolerant ATPase Activity in the Plasma Membrane of the Marine Angiosperm <i>Zostera marina</i> L.. <i>Plant and Cell Physiology</i> , 2002, 43, 1137-1145.	3.1	53
20	Endornaviruses: persistent dsRNA viruses with symbiotic properties in diverse eukaryotes. <i>Virus Genes</i> , 2019, 55, 165-173.	1.6	50
21	Enigmatic double-stranded RNA in Japonica rice. <i>Plant Molecular Biology</i> , 1993, 21, 1121-1130.	3.9	44
22	Rapid detection of <i>Magnaporthe oryzae</i> chrysovirus 1-A from fungal colonies on agar plates and lesions of rice blast. <i>Journal of General Plant Pathology</i> , 2015, 81, 97-102.	1.0	38
23	Knock-down of OsDCL2 in Rice Negatively Affects Maintenance of the Endogenous dsRNA Virus, <i>Oryza sativa</i> Endornavirus. <i>Plant and Cell Physiology</i> , 2010, 51, 58-67.	3.1	35
24	Molecular Characterization of Two Endogenous Double-stranded RNAs in Rice and Their Inheritance by Interspecific Hybrids. <i>Journal of Biological Chemistry</i> , 1999, 274, 6882-6888.	3.4	32
25	Unusual inheritance of evolutionarily-related double-stranded RNAs in interspecific hybrid between rice plants <i>Oryza sativa</i> and <i>Oryza rufipogon</i> . <i>Plant Molecular Biology</i> , 1999, 39, 1127-1136.	3.9	30
26	Environmental RNA interference in two-spotted spider mite, <i>Tetranychus urticae</i> , reveals dsRNA processing requirements for efficient RNAi response. <i>Scientific Reports</i> , 2020, 10, 19126.	3.3	27
27	The presence of double-stranded RNAs in <i>Alternaria alternata</i> Japanese pear pathotype is associated with morphological changes. <i>Journal of General Plant Pathology</i> , 2011, 77, 248-252.	1.0	25
28	<i>Magnaporthe oryzae</i> chrysovirus 1 strain D confers growth inhibition to the host fungus and exhibits multiform viral structural proteins. <i>Virology</i> , 2019, 535, 241-254.	2.4	25
29	Effect of asymptomatic infection with southern tomato virus on tomato plants. <i>Archives of Virology</i> , 2020, 165, 11-20.	2.1	25
30	Double-stranded RNA replicons associated with chloroplasts of a green alga, <i>Bryopsis cinicola</i> . <i>Plant Molecular Biology</i> , 2003, 51, 991-999.	3.9	24
31	The Unusual Structure of a Novel RNA Replicon in Rice. <i>Journal of Biological Chemistry</i> , 1995, 270, 18147-18149.	3.4	23
32	Cortex glia clear dead young neurons via Drpr/dCed-6/Shark and Crk/Mbc/dCed-12 signaling pathways in the developing <i>Drosophila</i> optic lobe. <i>Developmental Biology</i> , 2019, 453, 68-85.	2.0	22
33	Disturbance of floral colour pattern by activation of an endogenous pararetrovirus, petunia vein clearing virus, in aged petunia plants. <i>Plant Journal</i> , 2020, 103, 497-511.	5.7	22
34	Molecular characterization of a single mitochondria-associated double-stranded RNA in the green alga <i>Bryopsis</i> . <i>Plant Molecular Biology</i> , 1998, 36, 717-724.	3.9	21
35	RNA-Dependent RNA Polymerase Activity Associated with Endogenous Double-Stranded RNA in Rice. <i>Plant and Cell Physiology</i> , 2001, 42, 197-203.	3.1	21
36	Two Novel Endornaviruses Co-infecting a <i>Phytophthora</i> Pathogen of <i>Asparagus officinalis</i> Modulate the Developmental Stages and Fungicide Sensitivities of the Host Oomycete. <i>Frontiers in Microbiology</i> , 2021, 12, 633502.	3.5	20

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37	Infection by Magnaporthe oryzae chrysovirus 1 strain A triggers reduced virulence and pathogenic race conversion of its host fungus, Magnaporthe oryzae. Journal of General Plant Pathology, 2018, 84, 92-103.	1.0	18
38	Double-Stranded RNA in Rice. Journal of Plant Research, 1999, 112, 131-138.	2.4	17
39	Inheritance of Oryza sativa endornavirus in F1 and F2 hybrids between japonica and indica rice.. Genes and Genetic Systems, 2003, 78, 229-234.	0.7	17
40	An Arabidopsis RNase III-like protein, AtRTL2, cleaves double-stranded RNA in vitro. Journal of Plant Research, 2011, 124, 405-414.	2.4	17
41	Acibenzolar- <i>S</i> -Methyl Restricts Infection of <i>Nicotiana benthamiana</i> by Plantago Asiatica Mosaic Virus at Two Distinct Stages. Molecular Plant-Microbe Interactions, 2019, 32, 1475-1486.	2.6	17
42	Post-Translational Regulation of the Dicing Activities of Arabidopsis DICER-LIKE 3 and 4 by Inorganic Phosphate and the Redox State. Plant and Cell Physiology, 2017, 58, pcw226.	3.1	15
43	Unique Terminal Regions and Specific Deletions of the Segmented Double-Stranded RNA Genome of Alternaria Alternata Virus 1, in the Proposed Family Alternaviridae. Frontiers in Microbiology, 2021, 12, 773062.	3.5	14
44	Molecular and biological properties of an endornavirus infecting winged bean (Psophocarpus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.6	12
45	Size Distribution of Small Interfering RNAs in Various Organs at Different Developmental Stages is Primarily Determined by the Dicing Activity of Dicer-Like Proteins in Plants. Plant and Cell Physiology, 2018, 59, 2228-2238.	3.1	11
46	Integrin-like protein at the invaginated plasma membrane of epidermal cells in mature leaves of the marine angiosperm Zostera marina L.. Planta, 2004, 220, 271-277.	3.2	10
47	Suppressive effects of mycoviral proteins encoded by Magnaporthe oryzae chrysovirus 1 strain A on conidial germination of the rice blast fungus. Virus Research, 2016, 223, 10-19.	2.2	10
48	Long DCL4-substrate dsRNAs efficiently induce RNA interference in plant cells. Scientific Reports, 2019, 9, 6920.	3.3	10
49	Double-stranded RNA-binding protein DRB3 negatively regulates anthocyanin biosynthesis by modulating PAP1 expression in Arabidopsis thaliana. Journal of Plant Research, 2017, 130, 45-55.	2.4	9
50	Frequent asymptomatic infection with tobacco ringspot virus on melon fruit. Virus Research, 2021, 293, 198266.	2.2	9
51	The expression of a Vp1-like gene and seed dormancy in Mesembryanthemum crystallinum.. Genes and Genetic Systems, 2000, 75, 203-209.	0.7	7
52	Detection of Long and Short Double-Stranded RNAs. Methods in Molecular Biology, 2011, 744, 129-144.	0.9	7
53	Complete genomic sequence of a novel phytopathogenic Burkholderia phage isolated from fallen leaf compost. Archives of Virology, 2021, 166, 313-316.	2.1	6
54	Isolation and Characterization of a Novel Jumbo Phage from Leaf Litter Compost and Its Suppressive Effect on Rice Seedling Rot Diseases. Viruses, 2021, 13, 591.	3.3	6

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55	Biochemical characterization of the dicing activity of Dicer-like 2 in the model filamentous fungus <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2021, 146, 103488.	2.1	3
56	Dicer monitoring in a model filamentous fungus host, <i>Cryphonectria parasitica</i> . <i>Current Research in Virological Science</i> , 2020, 1, 100001.	3.5	3
57	Cucumber Mosaic Virus Infection in <i>Arabidopsis</i> : A Conditional Mutualistic Symbiont?. <i>Frontiers in Microbiology</i> , 2021, 12, 770925.	3.5	3
58	Diurnal expression of five protein phosphatase type 2C genes in the common ice plant, <i>Mesembryanthemum crystallinum</i> . <i>Functional Plant Biology</i> , 2007, 34, 581.	2.1	2
59	Nuclear body formation by <i>Arabidopsis</i> CPL1-RCF3 complex requires single-stranded RNA-binding domains. <i>Plant Gene</i> , 2020, 22, 100224.	2.3	0
60	Endornaviruses (Endornaviridae)., 2021, , 388-395.		0