

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	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
2	Endornaviruses (Endornaviridae). , 2021, , 388-395.		0
3	Complete genomic sequence of a novel phytopathogenic Burkholderia phage isolated from fallen leaf compost. <i>Archives of Virology</i> , 2021, 166, 313-316.	2.1	6
4	Frequent asymptomatic infection with tobacco ringspot virus on melon fruit. <i>Virus Research</i> , 2021, 293, 198266.	2.2	9
5	Two Novel Endornaviruses Co-infecting a Phytophthora 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
6	Isolation and Characterization of a Novel Jumbo Phage from Leaf Litter Compost and Its Suppressive Effect on Rice Seedling Rot Diseases. <i>Viruses</i> , 2021, 13, 591.	3.3	6
7	Unique Terminal Regions and Specific Deletions of the Segmented Double-Stranded RNA Genome of <i>Alternaria Alternata</i> Virus 1, in the Proposed Family Alternaviridae. <i>Frontiers in Microbiology</i> , 2021, 12, 773062.	3.5	14
8	Cucumber Mosaic Virus Infection in <i>Arabidopsis</i> : A Conditional Mutualistic Symbiont?. <i>Frontiers in Microbiology</i> , 2021, 12, 770925.	3.5	3
9	Effect of asymptomatic infection with southern tomato virus on tomato plants. <i>Archives of Virology</i> , 2020, 165, 11-20.	2.1	25
10	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
11	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
12	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
13	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
14	<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
15	Acibenzolar- <i>S</i> -Methyl Restricts Infection of <i>Nicotiana benthamiana</i> by <i>Plantago Asiatica</i> Mosaic Virus at Two Distinct Stages. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1475-1486.	2.6	17
16	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
17	Long DCL4-substrate dsRNAs efficiently induce RNA interference in plant cells. <i>Scientific Reports</i> , 2019, 9, 6920.	3.3	10
18	Virus Latency and the Impact on Plants. <i>Frontiers in Microbiology</i> , 2019, 10, 2764.	3.5	81

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19	Endornaviruses: persistent dsRNA viruses with symbiotic properties in diverse eukaryotes. <i>Virus Genes</i> , 2019, 55, 165-173.	1.6	50
20	ICTV Virus Taxonomy Profile: Endornaviridae. <i>Journal of General Virology</i> , 2019, 100, 1204-1205.	2.9	72
21	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
22	Infection by <i>Magnaporthe oryzae</i> chrysovirus 1 strain A triggers reduced virulence and pathogenic race conversion of its host fungus, <i>Magnaporthe oryzae</i> . <i>Journal of General Plant Pathology</i> , 2018, 84, 92-103.	1.0	18
23	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. <i>Plant and Cell Physiology</i> , 2018, 59, 2228-2238.	3.1	11
24	Post-Translational Regulation of the Dicing Activities of Arabidopsis DICER-LIKE 3 and 4 by Inorganic Phosphate and the Redox State. <i>Plant and Cell Physiology</i> , 2017, 58, pcw226.	3.1	15
25	Double-stranded RNA-binding protein DRB3 negatively regulates anthocyanin biosynthesis by modulating PAP1 expression in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 2017, 130, 45-55.	2.4	9
26	Molecular and biological properties of an endornavirus infecting winged bean (<i>Psophocarpus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.6	12
27	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
28	Suppressive effects of mycoviral proteins encoded by <i>Magnaporthe oryzae</i> chrysovirus 1 strain A on conidial germination of the rice blast fungus. <i>Virus Research</i> , 2016, 223, 10-19.	2.2	10
29	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
30	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
31	Distinct substrate specificities of Arabidopsis DCL3 and DCL4. <i>Nucleic Acids Research</i> , 2014, 42, 1845-1856.	14.5	74
32	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
33	Detection of Long and Short Double-Stranded RNAs. <i>Methods in Molecular Biology</i> , 2011, 744, 129-144.	0.9	7
34	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
35	An Arabidopsis RNase III-like protein, AtRTL2, cleaves double-stranded RNA in vitro. <i>Journal of Plant Research</i> , 2011, 124, 405-414.	2.4	17
36	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

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37	Specific requirement of DRB4, a dsRNA-binding protein, for the in vitro dsRNA-cleaving activity of Arabidopsis Dicer-like 4. <i>Rna</i> , 2011, 17, 750-760.	3.5	78
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	<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
47	Integrin-like protein at the invaginated plasma membrane of epidermal cells in mature leaves of the marine angiosperm <i>Zostera marina</i> L.. <i>Planta</i> , 2004, 220, 271-277.	3.2	10
48	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
49	Inheritance of <i>Oryza sativa</i> endornavirus in F1 and F2 hybrids between japonica and indica rice.. <i>Genes and Genetic Systems</i> , 2003, 78, 229-234.	0.7	17
50	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
51	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
52	The expression of a Vp1-like gene and seed dormancy in <i>Mesembryanthemum crystallinum</i> .. <i>Genes and Genetic Systems</i> , 2000, 75, 203-209.	0.7	7
53	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
54	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

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55	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
56	Double-Stranded RNA in Rice. <i>Journal of Plant Research</i> , 1999, 112, 131-138.	2.4	17
57	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
58	Double-stranded RNA in rice: A novel RNA replicon in plants. <i>Molecular Genetics and Genomics</i> , 1995, 248, 364-369.	2.4	54
59	The Unusual Structure of a Novel RNA Replicon in Rice. <i>Journal of Biological Chemistry</i> , 1995, 270, 18147-18149.	3.4	23
60	Enigmatic double-stranded RNA in Japonica rice. <i>Plant Molecular Biology</i> , 1993, 21, 1121-1130.	3.9	44