

Yuichiro Watanabe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5812470/publications.pdf>

Version: 2024-02-01

118
papers

10,015
citations

61945

43
h-index

36008

97
g-index

123
all docs

123
docs citations

123
times ranked

9327
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of monitoring tap water hardness in Japan and its distribution patterns. <i>Scientific Reports</i> , 2021, 11, 13546.	1.6	24
2	Nonsense-Mediated mRNA Decay Deficiency Affects the Auxin Response and Shoot Regeneration in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 2000-2014.	1.5	9
3	An Early Arising Role of the MicroRNA156/529-SPL Module in Reproductive Development Revealed by the Liverwort <i>Marchantia polymorpha</i> . <i>Current Biology</i> , 2019, 29, 3307-3314.e5.	1.8	34
4	Production of the herb <i>Ruta chalepensis</i> L. expressing amyloid β -GFP fusion protein. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2019, 95, 295-302.	1.6	3
5	DWARF4 accumulation in root tips is enhanced via blue light perception by cryptochromes. <i>Plant, Cell and Environment</i> , 2019, 42, 1615-1629.	2.8	8
6	Stress granule formation is induced by a threshold temperature rather than a temperature difference in <i>Arabidopsis</i> . <i>Journal of Cell Science</i> , 2018, 131, .	1.2	27
7	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017, 171, 287-304.e15.	13.5	973
8	Light perception in aerial tissues enhances DWF4 accumulation in root tips and induces root growth. <i>Scientific Reports</i> , 2017, 7, 1808.	1.6	30
9	Profiling New Small RNA Sequences. <i>Methods in Molecular Biology</i> , 2017, 1456, 177-188.	0.4	5
10	The GYF domain protein PSIG1 dampens the induction of cell death during plant-pathogen interactions. <i>PLoS Genetics</i> , 2017, 13, e1007037.	1.5	21
11	<i>Arabidopsis</i> ; <i>AtRRP44</i> has ribonuclease activity that is required to complement the growth defect of yeast <i>rrp44</i> Mutant. <i>Plant Biotechnology</i> , 2016, 33, 77-85.	0.5	6
12	The Naming of Names: Guidelines for Gene Nomenclature in <i>Marchantia</i> . <i>Plant and Cell Physiology</i> , 2016, 57, 257-261.	1.5	60
13	Profiling and Characterization of Small RNAs in the Liverwort, <i>Marchantia polymorpha</i> , Belonging to the First Diverged Land Plants. <i>Plant and Cell Physiology</i> , 2016, 57, 359-372.	1.5	68
14	Diffuse Decapping Enzyme DCP2 Accumulates in DCP1 Foci Under Heat Stress in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 107-115.	1.5	32
15	Recovery of <i>dicer-like 1</i> -late flowering phenotype by miR172 expressed by the noncanonical DCL4-dependent biogenesis pathway. <i>Rna</i> , 2014, 20, 1320-1327.	1.6	21
16	Localization of tobacco germin-like protein 1 in leaf intercellular space. <i>Plant Physiology and Biochemistry</i> , 2014, 85, 1-8.	2.8	6
17	Dual regulation of <i>ETTIN</i> (<i>ARF3</i>) gene expression by AS1-AS2, which maintains the DNA methylation level, is involved in stabilization of leaf adaxial-abaxial partitioning in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2013, 140, 1958-1969.	1.2	91
18	<i>Arabidopsis AtRRP44A</i> Is the Functional Homolog of <i>Rrp44/Dis3</i> , an Exosome Component, Is Essential for Viability and Is Required for RNA Processing and Degradation. <i>PLoS ONE</i> , 2013, 8, e79219.	1.1	47

#	ARTICLE	IF	CITATIONS
19	Loss of XRN4 Function Can Trigger Cosuppression in a Sequence-Dependent Manner. <i>Plant and Cell Physiology</i> , 2012, 53, 1310-1321.	1.5	10
20	The role of decapping proteins in the miRNA accumulation in <i>Arabidopsis thaliana</i> . <i>RNA Biology</i> , 2012, 9, 644-652.	1.5	28
21	RNA Processing Bodies, Peroxisomes, Golgi Bodies, Mitochondria, and Endoplasmic Reticulum Tubule Junctions Frequently Pause at Cortical Microtubules. <i>Plant and Cell Physiology</i> , 2012, 53, 699-708.	1.5	64
22	miR165/166 and the development of land plants. <i>Development Growth and Differentiation</i> , 2012, 54, 93-99.	0.6	42
23	Production of Anti-Amyloid β Antibodies in Mice Fed Rice Expressing Amyloid β . <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 396-400.	0.6	12
24	Overview of Plant RNAi. <i>Methods in Molecular Biology</i> , 2011, 744, 1-11.	0.4	12
25	Effect of rice-expressed amyloid β in the Tg2576 Alzheimer's disease transgenic mouse model. <i>Vaccine</i> , 2011, 29, 6252-6258.	1.7	18
26	Transgenic Rice Expressing Amyloid β -peptide for Oral Immunization. <i>International Journal of Biological Sciences</i> , 2011, 7, 301-307.	2.6	24
27	NIMA-related kinases 6, 4, and 5 interact with each other to regulate microtubule organization during epidermal cell expansion in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 67, 993-1005.	2.8	41
28	Amino acid taste receptor regulates insulin secretion in pancreatic β -cell line MIN6 cells. <i>Genes To Cells</i> , 2011, 16, 608-616.	0.5	40
29	Fabrication of 3-nm Platinum Wires Using a Tobacco Mosaic Virus Template. <i>Chemistry Letters</i> , 2010, 39, 616-618.	0.7	15
30	Cloning New Small RNA Sequences. <i>Methods in Molecular Biology</i> , 2010, 631, 123-138.	0.4	2
31	Large-scale analysis of full-length cDNAs from the tomato (<i>Solanum lycopersicum</i>) cultivar Micro-Tom, a reference system for the Solanaceae genomics. <i>BMC Genomics</i> , 2010, 11, 210.	1.2	179
32	Network Modeling Reveals Prevalent Negative Regulatory Relationships between Signaling Sectors in Arabidopsis Immune Signaling. <i>PLoS Pathogens</i> , 2010, 6, e1001011.	2.1	110
33	Reduction of amyloid β -peptide accumulation in Tg2576 transgenic mice by oral vaccination. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 593-599.	1.0	20
34	Fabrication of Aligned Magnetic Nanoparticles Using Tobamoviruses. <i>Nano Letters</i> , 2010, 10, 773-776.	4.5	79
35	Processing of miRNA Precursors. <i>Methods in Molecular Biology</i> , 2010, 592, 231-241.	0.4	10
36	A dominant mutation in <i>DCL1</i> suppresses the <i>hyl1</i> mutant phenotype by promoting the processing of miRNA. <i>Rna</i> , 2009, 15, 450-458.	1.6	33

#	ARTICLE	IF	CITATIONS
37	SGS3 and RDR6 interact and colocalize in cytoplasmic SGS3/RDR6 bodies. FEBS Letters, 2009, 583, 1261-1266.	1.3	147
38	Identification of <i>Caenorhabditis elegans</i> K02H8.1 (CeMBL), a functional ortholog of mammalian MBNL proteins. Journal of Neuroscience Research, 2009, 87, 1090-1097.	1.3	11
39	Overexpression of putative transcriptional coactivator KELP interferes with cell-to-cell movement. Molecular Plant Pathology, 2009, 10, 161-173.	2.0	39
40	A NIMA-related protein kinase suppresses ectopic outgrowth of epidermal cells through its kinase activity and the association with microtubules. Plant Journal, 2008, 54, 829-844.	2.8	40
41	Criteria for Annotation of Plant MicroRNAs. Plant Cell, 2008, 20, 3186-3190.	3.1	1,158
42	The Mechanism Selecting the Guide Strand from Small RNA Duplexes is Different Among Argonaute Proteins. Plant and Cell Physiology, 2008, 49, 493-500.	1.5	464
43	In Vivo Analysis of Plant Nonsense-Mediated mRNA Decay. Methods in Enzymology, 2008, 449, 165-176.	0.4	5
44	Specific Enrichment of miRNAs in Arabidopsis thaliana Infected with Tobacco mosaic virus. DNA Research, 2007, 14, 227-233.	1.5	57
45	Improved Gateway Binary Vectors: High-Performance Vectors for Creation of Fusion Constructs in Transgenic Analysis of Plants. Bioscience, Biotechnology and Biochemistry, 2007, 71, 2095-2100.	0.6	847
46	Binding of tobamovirus replication protein with small RNA duplexes. Journal of General Virology, 2007, 88, 2347-2352.	1.3	60
47	Context Analysis of Termination Codons in mRNA that are Recognized by Plant NMD. Plant and Cell Physiology, 2007, 48, 1072-1078.	1.5	76
48	Location of a Possible miRNA Processing Site in SmD3/SmB Nuclear Bodies in Arabidopsis. Plant and Cell Physiology, 2007, 48, 1243-1253.	1.5	145
49	1P332 Genetic modification of Tobacco Mosaic Virus for application in constructing electronic devices(Bioengineering,Poster Presentations). Seibutsu Butsuri, 2007, 47, S106.	0.0	0
50	Production of dengue 2 envelope domain III in plant using TMV-based vector system. Vaccine, 2007, 25, 6646-6654.	1.7	69
51	Characterization of Arabidopsis decapping proteins AtDCP1 and AtDCP2, which are essential for post-embryonic development. FEBS Letters, 2007, 581, 2455-2459.	1.3	79
52	Effects of brefeldin A on the localization of Tobamovirus movement protein and cell-to-cell movement of the virus. Virology, 2007, 361, 133-140.	1.1	35
53	A virus-induced gene silencing approach for the suppression of nicotine content in Nicotiana benthamiana. Plant Biotechnology, 2007, 24, 295-300.	0.5	7
54	Detecting RNA/DNA Hybridization Using Double-Labeled Donor Probes With Enhanced Fluorescence Resonance Energy Transfer Signals. , 2006, 335, 43-56.		8

#	ARTICLE	IF	CITATIONS
55	In Planta production of immunogenic poliovirus peptide using tobacco mosaic virus-based vector system. <i>Journal of Bioscience and Bioengineering</i> , 2006, 101, 398-402.	1.1	23
56	A New <i>Tobamovirus</i> -resistance Gene, <i>Hk</i> , in <i>Capsicum annum</i> . <i>Journal of the Japanese Society for Horticultural Science</i> , 2005, 74, 289-294.	0.4	12
57	UPF3 suppresses aberrant spliced mRNA in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2005, 43, 530-540.	2.8	125
58	klavier (<i>klv</i>), A novel hypernodulation mutant of <i>Lotus japonicus</i> affected in vascular tissue organization and floral induction. <i>Plant Journal</i> , 2005, 44, 505-515.	2.8	114
59	Catalog of Micro-Tom tomato responses to common fungal, bacterial, and viral pathogens. <i>Journal of General Plant Pathology</i> , 2005, 71, 8-22.	0.6	46
60	An extraction method for tobacco mosaic virus movement protein localizing in plasmodesmata. <i>Protoplasma</i> , 2005, 225, 85-92.	1.0	7
61	Activation of SIPK in response to UV-C irradiation: utility of a glutathione-S transferase-tagged plant MAP kinase by transient expression with agroinfiltration. <i>Plant Biotechnology</i> , 2005, 22, 7-12.	0.5	5
62	The interaction between DCL1 and HYL1 is important for efficient and precise processing of pri-miRNA in plant microRNA biogenesis. <i>Rna</i> , 2005, 12, 206-212.	1.6	413
63	Tobacco mosaic virus infection spreads cell to cell as intact replication complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6291-6296.	3.3	280
64	Expression of Amyloid- β 40 and β 42 Peptides in <i>Capsicum annum</i> var. <i>angulosum</i> for Oral Immunization. <i>Assay and Drug Development Technologies</i> , 2004, 2, 383-388.	0.6	9
65	From The Cover: <i>Arabidopsis</i> micro-RNA biogenesis through Dicer-like 1 protein functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12753-12758.	3.3	889
66	Use of an Attenuated Strain of Tobamovirus for Early Detection of Virus-Induced Gene Silencing. <i>Plant Biotechnology</i> , 2004, 21, 135-142.	0.5	11
67	Expression of Amyloid- β 40 and β 42 Peptides in <i>Capsicum annum</i> var. <i>angulosum</i> for Oral Immunization. <i>Assay and Drug Development Technologies</i> , 2004, 2, 383-388.	0.6	3
68	A TMV-Cg mutant with a truncated coat protein induces cell death resembling the hypersensitive response in <i>Arabidopsis</i> . <i>Molecules and Cells</i> , 2004, 17, 334-9.	1.0	5
69	Cross-protection in <i>Arabidopsis</i> against crucifer tobamovirus Cg by an attenuated strain of the virus. <i>Molecular Plant Pathology</i> , 2003, 4, 259-269.	2.0	24
70	RNA Helicase Domain of Tobamovirus Replicase Executes Cell-to-Cell Movement Possibly through Collaboration with Its Nonconserved Region. <i>Journal of Virology</i> , 2003, 77, 12357-12362.	1.5	65
71	Establishment of a monoclonal antibody for human LXRalpha: Detection of LXRalpha protein expression in human macrophages. <i>Nuclear Receptor</i> , 2003, 1, 1.	10.0	24
72	ã, ã,ãf«ã,1ãf TMã,ã,ãf1/4ã«ã,ã,æœ%oç”éã1/4ãã©ç TMoçã/4. <i>Kagaku To Seibutsu</i> , 2003, 41, 183-189.	0.0	0

#	ARTICLE	IF	CITATIONS
73	Defective Tobamovirus Movement Protein Lacking Wild-Type Phosphorylation Sites Can Be Complemented by Substitutions Found in Revertants. <i>Journal of Virology</i> , 2003, 77, 1452-1461.	1.5	27
74	Construction of a Tobamovirus Vector That Can Systemically Spread and Express Foreign Gene Products in Solanaceous Plants.. <i>Plant Biotechnology</i> , 2003, 20, 129-136.	0.5	11
75	Expression and purification of a neuropeptide nocistatin using two related plant viral vectors. <i>Gene</i> , 2002, 289, 69-79.	1.0	26
76	Tobamovirus Replicase Coding Region Is Involved in Cell-to-Cell Movement. <i>Journal of Virology</i> , 2001, 75, 8831-8836.	1.5	101
77	In vitro phosphorylation of the movement protein of tomato mosaic tobamovirus by a cellular kinase. <i>Journal of General Virology</i> , 2000, 81, 2095-2102.	1.3	43
78	Phosphorylation and/or Presence of Serine 37 in the Movement Protein of Tomato Mosaic Tobamovirus Is Essential for Intracellular Localization and Stability In Vivo. <i>Journal of Virology</i> , 1999, 73, 6831-6840.	1.5	85
79	The Movement Protein of Tomato Mosaic Tobamovirus Induces Tubular Structures in Tomato Protoplasts.. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1999, 65, 612-615.	0.1	2
80	Application of the Human Hepatitis B Virus Core Antigen from Transgenic Tobacco Plants for Serological Diagnosis. <i>Vox Sanguinis</i> , 1998, 74, 148-155.	0.7	39
81	Characterization of a Pepper Mild Mottle Tobamovirus Strain Capable of Overcoming the L3 Gene-Mediated Resistance, Distinct from the Resistance-Breaking Italian Isolate. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 327-331.	1.4	84
82	Application of the Human Hepatitis B Virus Core Antigen from Transgenic Tobacco Plants for Serological Diagnosis. <i>Vox Sanguinis</i> , 1998, 74, 148-155.	0.7	10
83	Identification of the TMV Replicase Sequence That Activates the N Gene-Mediated Hypersensitive Response. <i>Molecular Plant-Microbe Interactions</i> , 1997, 10, 709-715.	1.4	132
84	A Single Amino Acid Substitution in the Virus-Encoded Replicase of Tomato Mosaic Tobamovirus Alters Host Specificity. <i>Molecular Plant-Microbe Interactions</i> , 1997, 10, 1015-1018.	1.4	16
85	Nucleotide Sequence of the Japanese Isolate of Pepper Mild Mottle Tobamovirus (TMV-P) RNA.. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1997, 63, 373-376.	0.1	38
86	Plant BioTechniques Series(5). Use of Green Fluorescent Protein as a Molecular Tag of Protein Movement In vivo.. <i>Plant Biotechnology</i> , 1997, 14, 127-130.	0.5	26
87	The complete sequence of a Singapore isolate of odontoglossum ringspot virus and comparison with other tobamoviruses. <i>Gene</i> , 1996, 171, 155-161.	1.0	37
88	Mapping of Host Range Restriction of the Rakkyo Strain of Tobacco Mosaic Virus in <i>Nicotiana tabacum</i> cv. Bright Yellow. <i>Virology</i> , 1996, 226, 198-204.	1.1	21
89	Complete nucleotide sequence and synthesis of infectious in vitro transcripts from a full-length cDNA clone of a rakkyo strain of tobacco mosaic virus. <i>Archives of Virology</i> , 1996, 141, 885-900.	0.9	16
90	Distribution of tobamovirus movement protein in infected cells and implications for cell-to-cell spread of infection. <i>Plant Journal</i> , 1996, 10, 1079-1088.	2.8	143

#	ARTICLE	IF	CITATIONS
91	Specific Detection of the Rakkyo Strain of Tobacco Mosaic Virus by Reverse Transcription and Polymerase Chain Reaction.. Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1996, 62, 513-516.	0.1	0
92	Systemic production of foreign peptides on the particle surface of tobacco mosaic virus. FEBS Letters, 1995, 359, 247-250.	1.3	93
93	Resistance against multiple plant viruses in plants mediated by a double stranded-RNA specific ribonuclease. FEBS Letters, 1995, 372, 165-168.	1.3	73
94	A New Tobacco Mosaic Virus Vector and its Use for the Systemic Production of Angiotensin-I-Converting Enzyme Inhibitor in Transgenic Tobacco and Tomato. Nature Biotechnology, 1993, 11, 930-932.	9.4	132
95	New Virus-Resistant Traits Endowed by Transgenes.. Radioisotopes, 1993, 42, 135-136.	0.1	0
96	Time Course Analysis of Immunolocalization of Coat Protein and Replicase Proteins in Protoplasts Inoculated with Tobacco Mosaic Virus.. Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1993, 59, 143-154.	0.1	1
97	In vivo phosphorylation of the 30-kDa protein of tobacco mosaic virus. FEBS Letters, 1992, 313, 181-184.	1.3	65
98	Cis-acting elements for in trans complementation of replication-defective mutant of tobacco mosaic virus. Virology, 1992, 191, 454-458.	1.1	15
99	Reinvestigation of intracellular localization of the 30K protein in tobacco protoplasts infected with tobacco mosaic virus RNA. Virology, 1992, 187, 809-813.	1.1	19
100	Isolation and analysis of cDNAs encoding small GTP-binding proteins of Arabidopsis thaliana. Gene, 1991, 108, 259-264.	1.0	61
101	Replication of TMV-L and Lta1 RNAs and their recombinants in TMV-resistant Tm-1 tomato protoplasts. Virology, 1991, 183, 99-105.	1.1	25
102	Trans complementation of virus-encoded replicase components of tobacco mosaic virus. Virology, 1991, 185, 580-584.	1.1	23
103	Production of enkephalin in tobacco protoplasts using tobacco mosaic virus RNA vector. FEBS Letters, 1990, 269, 73-76.	1.3	59
104	Structure and Functions of Tobacco Mosaic Virus RNA. , 1990, , 23-38.		4
105	Mutational analysis of the coat protein gene of tobacco mosaic virus in relation to hypersensitive response in tobacco plants with the Nâ€² gene. Virology, 1989, 173, 11-20.	1.1	60
106	Replication of chimeric tobacco mosaic viruses which carry heterologous combinations of replicase genes and 3â€² noncoding regions. Virology, 1988, 164, 290-293.	1.1	49
107	Two concomitant base substitutions in the putative replicase genes of tobacco mosaic virus confer the ability to overcome the effects of a tomato resistance gene, <i>Tm-1</i>. EMBO Journal, 1988, 7, 1575-1581.	3.5	158
108	Attenuated strains of tobacco mosaic virus. Journal of Molecular Biology, 1987, 194, 699-704.	2.0	61

#	ARTICLE	IF	CITATIONS
109	Characterization of Tm-1 gene action on replication of common isolates and a resistance-breaking isolate of TMV. <i>Virology</i> , 1987, 161, 527-532.	1.1	56
110	Infection of tobacco protoplasts with in vitro transcribed tobacco mosaic virus RNA using an improved electroporation method. <i>FEBS Letters</i> , 1987, 219, 65-69.	1.3	108
111	Function of the 30 kd protein of tobacco mosaic virus: involvement in cell-to-cell movement and dispensability for replication. <i>EMBO Journal</i> , 1987, 6, 2557-2563.	3.5	265
112	In Vitro viral RNA synthesis by a subcellular fraction of TMV-inoculated tobacco protoplasts. <i>Virology</i> , 1986, 149, 64-73.	1.1	35
113	Subcellular localization of the 30K protein in TMV-inoculated tobacco protoplasts. <i>Virology</i> , 1986, 152, 414-420.	1.1	25
114	Preparation of antibodies that react with the large non-structural proteins of tobacco mosaic virus by using <i>Escherichia coli</i> expressed fragments. <i>Molecular Genetics and Genomics</i> , 1986, 205, 82-89.	2.4	16
115	Identification of the 30K protein of TMV by immunoprecipitation with antibodies directed against a synthetic peptide. <i>Virology</i> , 1984, 132, 71-78.	1.1	35
116	Synthesis of TMV-specific RNAs and proteins at the early stage of infection in tobacco protoplasts: Transient expression of the 30K protein and its mRNA. <i>Virology</i> , 1984, 133, 18-24.	1.1	124
117	The initiation site for transcription of the TMV 30-kDa protein messenger RNA. <i>FEBS Letters</i> , 1984, 173, 247-250.	1.3	36
118	Virus multiplication in tobacco protoplasts inoculated with tobacco mosaic virus rna encapsulated in large unilamellar vesicle liposomes. <i>Virology</i> , 1982, 120, 478-480.	1.1	52