

# Tsutomu Arie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4599947/publications.pdf>

Version: 2024-02-01

106  
papers

3,390  
citations

147801

31  
h-index

168389

53  
g-index

109  
all docs

109  
docs citations

109  
times ranked

3257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentiation of the Pea Wilt Pathogen <i>Fusarium oxysporum</i> f. sp. <i>pisi</i> from Other Isolates of <i>Fusarium</i> Species by PCR. <i>Microbes and Environments</i> , 2022, 37, n/a.	1.6	0
2	Phylogenomic Analysis of a 55.1-kb 19-Gene Dataset Resolves a Monophyletic <i>Fusarium</i> that Includes the <i>Fusarium solani</i> Species Complex. <i>Phytopathology</i> , 2021, 111, 1064-1079.	2.2	107
3	Spray Application of Nonpathogenic Fusaria onto Rice Flowers Controls Bakanae Disease (Caused by) Tj ETQq1 1 0.784314 rsgBT /Over	3.1	17
4	Antifungal activity of bacteria isolated from Japanese frog skin against plant pathogenic fungi. <i>Biological Control</i> , 2021, 153, 104498.	3.0	4
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	A pair of effectors encoded on a conditionally dispensable chromosome of <i>Fusarium oxysporum</i> suppress host-specific immunity. <i>Communications Biology</i> , 2021, 4, 707.	4.4	23
7	Identification of a Proline-Kinked Amphipathic $\alpha$ -Helix Downstream from the Methyltransferase Domain of a Potexvirus Replicase and Its Role in Virus Replication and Perinuclear Complex Formation. <i>Journal of Virology</i> , 2021, 95, e0190620.	3.4	6
8	Acibenzolar-S-methyl-mediated restriction of loading of plantago asiatica mosaic virus into vascular tissues of <i>Nicotiana benthamiana</i> . <i>Virus Research</i> , 2021, 306, 198585.	2.2	3
9	Mutations Found in the Asc1 Gene That Confer Susceptibility to the AAL-Toxin in Ancestral Tomatoes from Peru and Mexico. <i>Plants</i> , 2021, 10, 47.	3.5	2
10	Unique Terminal Regions and Specific Deletions of the Segmented Double-Stranded RNA Genome of <i>Alternaria Alternata</i> Virus 1, in the Proposed Family <i>Alternaviridae</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 773062.	3.5	14
11	Population Structure of Double-Stranded RNA Mycoviruses That Infect the Rice Blast Fungus <i>Magnaporthe oryzae</i> in Japan. <i>Frontiers in Microbiology</i> , 2020, 11, 593784.	3.5	9
12	Potential of Octanol and Octanal from <i>Heracleum sosnowskyi</i> Fruits for the Control of <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> . <i>Sustainability</i> , 2020, 12, 9334.	3.2	2
13	A new era in plant pathology in Japan: incorporation of the Phytopathological Society of Japan and research reform directed by genomic studies. <i>Journal of General Plant Pathology</i> , 2020, 86, 519-522.	1.0	1
14	High-Quality Draft Genome Sequence of <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Strain 160527, a Causal Agent of Panama Disease. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	18
15	<i>Magnaporthe oryzae</i> chrysovirus 1 strain D confers growth inhibition to the host fungus and exhibits multifunctional viral structural proteins. <i>Virology</i> , 2019, 535, 241-254.	2.4	25
16	Acibenzolar-S-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
17	Induction of resistance to diseases in plant by aerial ultrasound irradiation. <i>Journal of Pesticide Sciences</i> , 2019, 44, 41-47.	1.4	4
18	Single crossover-mediated targeted nucleotide substitution and knock-in strategies with CRISPR/Cas9 system in the rice blast fungus. <i>Scientific Reports</i> , 2019, 9, 7427.	3.3	28

#	ARTICLE	IF	CITATIONS
19	&lt;i>Fusarium</i> diseases of cultivated plants, control, diagnosis, and molecular and genetic studies. Journal of Pesticide Sciences, 2019, 44, 275-281.	1.4	75
20	Differences in infectivity and pathogenicity of two Plantago asiatica mosaic virus isolates in lilies. European Journal of Plant Pathology, 2019, 153, 813-823.	1.7	10
21	Molecular characterization of a novel mycovirus in Alternaria alternata manifesting two-sided effects: Down-regulation of host growth and up-regulation of host plant pathogenicity. Virology, 2018, 519, 23-32.	2.4	93
22	Panama disease of banana occurred in Miyakojima Island, Okinawa, Japan. Journal of General Plant Pathology, 2018, 84, 165-168.	1.0	6
23	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
24	N&eacute;terminal region of cysteine&eacute;rich protein (CRP) in carlaviruses is involved in the determination of symptom types. Molecular Plant Pathology, 2018, 19, 180-190.	4.2	29
25	Cytological karyotyping of Fusarium oxysporum by the germ tube burst method (GTBM). Journal of General Plant Pathology, 2018, 84, 254-261.	1.0	5
26	A putative RNA silencing component protein FoQde-2 is involved in virulence of the tomato wilt fungus Fusarium oxysporum f. sp. lycopersici. Journal of General Plant Pathology, 2018, 84, 395-398.	1.0	6
27	Sequencing of individual chromosomes of plant pathogenic Fusarium oxysporum. Fungal Genetics and Biology, 2017, 98, 46-51.	2.1	12
28	A mobile pathogenicity chromosome in Fusarium oxysporum for infection of multiple cucurbit species. Scientific Reports, 2017, 7, 9042.	3.3	115
29	Novel loop-mediated isothermal amplification (LAMP) assay with a universal QProbe can detect SNPs determining races in plant pathogenic fungi. Scientific Reports, 2017, 7, 4253.	3.3	36
30	Rapid sex identification method of spinach (Spinacia oleracea L.) in the vegetative stage using loop-mediated isothermal amplification. Planta, 2017, 245, 221-226.	3.2	6
31	Genome sequence of a novel mitovirus identified in the phytopathogenic fungus Alternaria arborescens. Archives of Virology, 2016, 161, 2627-2631.	2.1	21
32	Detection of Magnaporthe oryzae chrysovirus 1 in Japan and establishment of a rapid, sensitive and direct diagnostic method based on reverse transcription loop-mediated isothermal amplification. Archives of Virology, 2016, 161, 317-326.	2.1	13
33	Genome sequence of a novel victorivirus identified in the phytopathogenic fungus Alternaria arborescens. Archives of Virology, 2016, 161, 1701-1704.	2.1	25
34	Detection of cabbage yellows fungus Fusarium oxysporum f. sp. conglutinans in soil by PCR and real-time PCR. Journal of General Plant Pathology, 2016, 82, 240-247.	1.0	10
35	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
36	A new biotype of <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> race 2 emerged by a transposon-driven mutation of avirulence gene <i>AVR1</i> . FEMS Microbiology Letters, 2016, 363, fnw132.	1.8	17

#	ARTICLE	IF	CITATIONS
37	Tailor-made CRISPR/Cas system for highly efficient targeted gene replacement in the rice blast fungus. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2543-2549.	3.3	166
38	A detection method based on reverse transcription loop-mediated isothermal amplification for a genetically heterogeneous plantago asiatica mosaic virus. <i>Journal of General Plant Pathology</i> , 2015, 81, 297-303.	1.0	9
39	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
40	Tailor-made TALEN system for highly efficient targeted gene replacement in the rice blast fungus. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1335-1342.	3.3	36
41	Site-specific DNA double-strand break generated by I-SceI endonuclease enhances ectopic homologous recombination in <i>Pyricularia oryzae</i> . <i>FEMS Microbiology Letters</i> , 2014, 352, 221-229.	1.8	15
42	Experimental evidence of a pathogenic change caused by homologous recombination between endogenous and introduced dysfunctional Avr-Pita genes in <i>Pyricularia oryzae</i> . <i>Journal of General Plant Pathology</i> , 2014, 80, 153-157.	1.0	3
43	A dsRNA mycovirus, <i>Magnaporthe oryzae</i> chrysovirus 1-B, suppresses vegetative growth and development of the rice blast fungus. <i>Virology</i> , 2014, 448, 265-273.	2.4	65
44	The Tomato Wilt Fungus <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> shares Common Ancestors with Nonpathogenic <i>F. oxysporum</i> isolated from Wild Tomatoes in the Peruvian Andes. <i>Microbes and Environments</i> , 2014, 29, 200-210.	1.6	41
45	The effect of chemicals on somatic homologous recombination in the rice blast fungus: its possible application for detection of mycotoxins. <i>Mycotoxins</i> , 2014, 64, 141-146.	0.2	1
46	<i>Fusarium proliferatum</i> , an additional bulb rot pathogen of Chinese chive. <i>Journal of General Plant Pathology</i> , 2013, 79, 431-434.	1.0	5
47	Construction of a system for exploring mitotic homologous recombination in the genome of <i>Pyricularia oryzae</i> . <i>Journal of General Plant Pathology</i> , 2013, 79, 422-430.	1.0	12
48	An avirulence gene homologue in the tomato wilt fungus <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> race 1 functions as a virulence gene in the cabbage yellows fungus <i>F. oxysporum</i> f. sp. <i>conglutinans</i> . <i>Journal of General Plant Pathology</i> , 2013, 79, 412-421.	1.0	27
49	Heterotrimeric G protein $\beta^2$ subunit GPB1 and MAP kinase MPK1 regulate hyphal growth and female fertility in <i>Fusarium sacchari</i> . <i>Mycoscience</i> , 2013, 54, 148-157.	0.8	3
50	Mode of action of <i>Talaromyces</i> sp. KNB422, a biocontrol agent against rice seedling diseases. <i>Journal of Pesticide Sciences</i> , 2012, 37, 56-61.	1.4	9
51	Characterization of <i>Magnaporthe oryzae</i> Chrysovirus 1 Structural Proteins and Their Expression in <i>Saccharomyces cerevisiae</i>. <i>Journal of Virology</i> , 2012, 86, 8287-8295.	3.4	63
52	Rice false smut pathogen, <i>Ustilagoidea virens</i> , invades through small gap at the apex of a rice spikelet before heading. <i>Journal of General Plant Pathology</i> , 2012, 78, 255-259.	1.0	93
53	Use of fluorescent proteins to visualize interactions between the Bakanae disease pathogen <i>Gibberella fujikuroi</i> and the biocontrol agent <i>Talaromyces</i> sp. KNB-422. <i>Journal of General Plant Pathology</i> , 2012, 78, 54-61.	1.0	31
54	A Genetic Mechanism for Emergence of Races in <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> : Inactivation of Avirulence Gene AVR1 by Transposon Insertion. <i>PLoS ONE</i> , 2012, 7, e44101.	2.5	47

#	ARTICLE	IF	CITATIONS
55	GMC oxidoreductase, a highly expressed protein in a potent biocontrol agent <i>Fusarium oxysporum</i> Cong:1-2, is dispensable for biocontrol activity. <i>Journal of General and Applied Microbiology</i> , 2011, 57, 207-217.	0.7	19
56	Contrasting Codon Usage Patterns and Purifying Selection at the Mating Locus in Putatively Asexual <i>Alternaria</i> Fungal Species. <i>PLoS ONE</i> , 2011, 6, e20083.	2.5	22
57	Transgenic rice plants that over-express the mannose-binding rice lectin have enhanced resistance to rice blast. <i>Journal of General Plant Pathology</i> , 2011, 77, 85-92.	1.0	11
58	Real-time PCR for differential determination of the tomato wilt fungus, <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> , and its races. <i>Journal of General Plant Pathology</i> , 2010, 76, 116-121.	1.0	37
59	Population dynamics and pathogenic races of rice blast fungus, <i>Magnaporthe oryzae</i> in the Mekong Delta in Vietnam. <i>Journal of General Plant Pathology</i> , 2010, 76, 177-182.	1.0	33
60	Phylogeny and phytopathogenicity mechanisms of soilborne <i>Fusarium oxysporum</i> . <i>Journal of General Plant Pathology</i> , 2010, 76, 403-405.	1.0	14
61	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.	2.8	179
62	Resistant and Susceptible Responses in Tomato to Cyst Nematode are Differentially Regulated by Salicylic Acid. <i>Plant and Cell Physiology</i> , 2010, 51, 1524-1536.	3.1	99
63	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
64	Expression specificity of CBP1 is regulated by transcriptional repression during vegetative growth of <i>Magnaporthe oryzae</i> . <i>Journal of General and Applied Microbiology</i> , 2010, 56, 437-445.	0.7	3
65	Inhibition of histone deacetylase causes reduction of appressorium formation in the rice blast fungus <i>Magnaporthe oryzae</i> . <i>Journal of General and Applied Microbiology</i> , 2009, 55, 489-498.	0.7	45
66	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
67	Variation and Phylogeny of <i>Fusarium oxysporum</i> Isolates Based on Nucleotide Sequences of Polygalacturonase Genes. <i>Microbes and Environments</i> , 2009, 24, 113-120.	1.6	22
68	The prospects of plant activators through biological features. <i>Journal of Pesticide Sciences</i> , 2009, 34, 324-325.	1.4	0
69	Biocontrol activity in a nonpathogenic REM1 mutant of <i>Fusarium oxysporum</i> f. sp. <i>conglutinans</i> and characterization of its disrupted gene. <i>Journal of Pesticide Sciences</i> , 2008, 33, 234-242.	1.4	6
70	Novel mating type-dependent transcripts at the mating type locus in <i>Magnaporthe oryzae</i> . <i>Gene</i> , 2007, 403, 6-17.	2.2	22
71	Mode of action of <i>Trichoderma asperellum</i> SKT-1, a biocontrol agent against <i>Gibberella fujikuroi</i> . <i>Journal of Pesticide Sciences</i> , 2007, 32, 222-228.	1.4	34
72	Tomato as a model plant for plant-pathogen interactions. <i>Plant Biotechnology</i> , 2007, 24, 135-147.	1.0	62

#	ARTICLE	IF	CITATIONS
73	Control efficacy of validamycin A against Fusarium wilt correlated with the severity of phytotoxic necrosis formed on tomato tissues. <i>Journal of Pesticide Sciences</i> , 2007, 32, 83-88.	1.4	15
74	Genetic diversity of <i>Fusarium oxysporum</i> f. sp. <i>spinaciae</i> in Japan based on phylogenetic analyses of rDNA-IGS and MAT1 sequences. <i>Journal of General Plant Pathology</i> , 2007, 73, 353-359.	1.0	13
75	FCD1 encoding protein homologous to cellobiose: Quinone oxidoreductase in <i>Fusarium oxysporum</i> . <i>Gene</i> , 2006, 382, 100-110.	2.2	8
76	Beta-Cyanoalanine Synthase as a Molecular Marker for Induced Resistance by Fungal Glycoprotein Elicitor and Commercial Plant Activators. <i>Phytopathology</i> , 2006, 96, 908-916.	2.2	47
77	PCR-based differentiation of <i>Fusarium oxysporum</i> ff. sp. <i>lycopersici</i> and <i>radicis-lycopersici</i> and races of <i>F. oxysporum</i> f. sp. <i>lycopersici</i> . <i>Journal of General Plant Pathology</i> , 2006, 72, 273-283.	1.0	101
78	A simple method for a mini-preparation of fungal DNA. <i>Journal of General Plant Pathology</i> , 2006, 72, 348-350.	1.0	103
79	Catalog of Micro-Tom tomato responses to common fungal, bacterial, and viral pathogens. <i>Journal of General Plant Pathology</i> , 2005, 71, 8-22.	1.0	46
80	Possible roles and functions of LPL1 gene encoding lysophospholipase during early infection by <i>Magnaporthe grisea</i> . <i>Journal of General Plant Pathology</i> , 2005, 71, 253-262.	1.0	5
81	Three evolutionary lineages of tomato wilt pathogen, <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> , based on sequences of IGS, MAT1, and pg1, are each composed of isolates of a single mating type and a single or closely related vegetative compatibility group. <i>Journal of General Plant Pathology</i> , 2005, 71, 263-272.	1.0	72
82	Foliar Spray of Validamycin A or Validoxyamine A Controls Tomato Fusarium Wilt. <i>Phytopathology</i> , 2005, 95, 1209-1216.	2.2	64
83	Cloning of the pathogenicity-related gene FPD1 in <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> . <i>Journal of General Plant Pathology</i> , 2004, 70, 16-20.	1.0	35
84	Contribution of Receptor-Research toward Pesticide Sciences. <i>Journal of Pesticide Sciences</i> , 2004, 29, 265-266.	1.4	0
85	Targeted Gene Disruption of the Neuronal Calcium Sensor 1 Homologue in Rice Blast Fungus, <i>Magnaporthe grisea</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 651-653.	1.3	16
86	Isolation and analysis of genes from phytopathogenic fungi. <i>Progress in Biotechnology</i> , 2002, , 61-74.	0.2	3
87	Mating-Type Genes from Asexual Phytopathogenic Ascomycetes <i>Fusarium oxysporum</i> and <i>Alternaria alternata</i> . <i>Molecular Plant-Microbe Interactions</i> , 2000, 13, 1330-1339.	2.6	150
88	Haematocin, a New Antifungal Diketopiperazine Produced by <i>Nectria haematococca</i> Berk. et Br. (880701a-1) Causing <i>Nectria</i> Blight Disease on Ornamental Plants.. <i>Journal of Antibiotics</i> , 2000, 53, 45-49.	2.0	18
89	Mating Type Genes of Ascomycetes. <i>Journal of Pesticide Sciences</i> , 2000, 25, 44-50.	1.4	0
90	Molecular Organization of Mating Type Loci in Heterothallic, Homothallic, and Asexual <i>Gibberella/Fusarium</i> Species. <i>Fungal Genetics and Biology</i> , 2000, 31, 7-20.	2.1	231

#	ARTICLE	IF	CITATIONS
91	Assessment of <i>Gibberella fujikuroi</i> mating type by PCR. <i>Mycoscience</i> , 1999, 40, 311-314.	0.8	16
92	Subcellular distribution and translocation of radionuclides in plants. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2023-2027.	4.3	18
93	Control of clubroot of crucifers by <i>Phoma glomerata</i> and its product epoxydon. , 1999, 55, 602-604.		18
94	Characterization of the antigenic determinant on <i>Fusarium oxysporum</i> recognized by a genus-specific monoclonal antibody.. <i>Journal of General and Applied Microbiology</i> , 1998, 44, 43-47.	0.7	8
95	Immunological Detection of endoPolygalacturonase Secretion by <i>Fusarium oxysporum</i> in Plant Tissue and Sequencing of Its Encoding Gene.. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1998, 64, 7-15.	0.1	22
96	Immunology-based Diagnostics for Soilborne Diseases. <i>Journal of Pesticide Sciences</i> , 1998, 23, 349-356.	1.4	0
97	4-Allyl-2-azetidinone and <i>Penicillium simplicissimum</i> ; Cooperate to Control Soilborne <i>Fusarium</i> Diseases. <i>Journal of Pesticide Sciences</i> , 1997, 22, 113-118.	1.4	2
98	Gel Penetrate-blotted Immunobinding Assay, a Novel Method for Serological Detection of <i>Fusarium</i> spp. in Soil. <i>Journal of Pesticide Sciences</i> , 1997, 22, 321-325.	1.4	7
99	A Novel Transformation System for <i>Pyricularia oryzae</i> : Adhesion of Regenerating Fungal Protoplasts to Collagen-coated Dishes. <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 1177-1180.	1.3	28
100	Detection of <i>Fusarium</i> spp. in Plants with Monoclonal Antibody.. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1995, 61, 311-317.	0.1	18
101	A New Disease of <i>Phalaenopsis</i> and <i>Doritaenopsis</i> Caused by <i>Nectria haematococca</i> .. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1992, 58, 452-455.	0.1	4
102	Production and Partial Characterization of Monoclonal Antibodies against <i>Fusarium oxysporum</i> 860926a.. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1991, 57, 696-701.	0.1	9
103	Biological control of fusarium wilt of bottle gourd by mix-cropping with welsh onion or Chinese chive inoculated with <i>Pseudomonas gladioli</i> .. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1987, 53, 531-539.	0.1	14
104	Stem blight, a new disease of <i>exacum</i> by <i>Nectria gliocladioides</i> Smalley et Hansen.. <i>Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan</i> , 1987, 53, 570-575.	0.1	3
105	Fusariosis in rubber tree: pathogenic, morphological, and molecular characterization of the causal agent. <i>European Journal of Plant Pathology</i> , 0, , 1.	1.7	0
106	<i>Ophiosphaerella agrostidis</i> causes leaf-sheath rot of <i>Zingiber mioga</i> . <i>Journal of General Plant Pathology</i> , 0, , 1.	1.0	0