

Thomas Hsiang

List of Publications by Year in descending order

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112
papers

2,453
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270111

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2708
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#	ARTICLE	IF	CITATIONS
1	Ornithine decarboxylase of the fungal pathogen <i>Colletotrichum higginsianum</i> plays an important role in regulating global metabolic pathways and virulence. <i>Environmental Microbiology</i> , 2022, 24, 1093-1116.	1.8	12
2	New Detection Method for Fungal Infection in Silver Fir Seeds. <i>Forests</i> , 2022, 13, 479.	0.9	0
3	The creeping bentgrass microbiome: Traditional culturing and sequencing results compared with metagenomic techniques. <i>Itsrsj</i> , 2022, 14, 911-915.	0.1	1
4	Identification and Observation of Infection Processes of <i>Colletotrichum</i> Species Associated with Pearl Plum Anthracnose in Guangxi, China. <i>Plant Disease</i> , 2022, 106, 3154-3165.	0.7	2
5	A secreted fungal effector suppresses rice immunity through host histone hypoacetylation. <i>New Phytologist</i> , 2022, 235, 1977-1994.	3.5	24
6	The Influence of the Provenance and Spatial Structure on the Growth of European Silver Fir (<i>Abies</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 831.	0.9	1
7	Identification and Characterization of <i>Calonectria</i> Species Associated with Plant Diseases in Southern China. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 719.	1.5	8
8	Mitochondrial prohibitin complex regulates fungal virulence via ATG24-assisted mitophagy. <i>Communications Biology</i> , 2022, 5, .	2.0	6
9	First Report of <i>Colletotrichum fructicola</i> Causing Anthracnose on <i>Pouteria campechiana</i> in China. <i>Plant Disease</i> , 2021, 105, 708-708.	0.7	8
10	Selection and screening of fungal endophytes against wheat pathogens. <i>Biological Control</i> , 2021, 154, 104511.	1.4	14
11	<i>Trichoderma asperellum</i> efficiently protects <i>Quercus robur</i> leaves against <i>Erysiphe alphitoides</i> . <i>European Journal of Plant Pathology</i> , 2021, 159, 295-308.	0.8	19
12	<i>Fusarium</i> species associated with leaf spots of mango in China. <i>Microbial Pathogenesis</i> , 2021, 150, 104736.	1.3	14
13	Evolutionary and genomic comparisons of hybrid uninucleate and nonhybrid <i>Rhizoctonia</i> fungi. <i>Communications Biology</i> , 2021, 4, 201.	2.0	16
14	iTRAQ-Based Quantitative Proteomics Reveals <i>ChAcb1</i> as a Novel Virulence Factor in <i>Colletotrichum higginsianum</i> . <i>Phytopathology</i> , 2021, 111, 1571-1582.	1.1	2
15	Insights into genomic evolution from the chromosomal and mitochondrial genomes of <i>Ustilaginoidea virens</i> . <i>Phytopathology Research</i> , 2021, 3, .	0.9	9
16	Litchi Anthracnose Caused by <i>Colletotrichum karstii</i> in Guangxi, China. <i>Plant Disease</i> , 2021, 105, 3295.	0.7	5
17	A Novel Hexose Transporter <i>ChHxt6</i> Is Required for Hexose Uptake and Virulence in <i>Colletotrichum higginsianum</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 5963.	1.8	6
18	Genome-guided investigation of anti-inflammatory sesterterpenoids with 5-15 trans-fused ring system from phytopathogenic fungi. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 5407-5417.	1.7	6

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19	Identification and characterization of <i>Colletotrichum</i> species associated with anthracnose disease of banana. <i>Plant Pathology</i> , 2021, 70, 1827-1837.	1.2	10
20	<i>Dothistroma septosporum</i> Not Detected in <i>Pinus sylvestris</i> Seed Trees from Investigated Stands in Southern Poland. <i>Forests</i> , 2021, 12, 1323.	0.9	2
21	Control of <i>Fusarium</i> head blight using the endophytic fungus, <i>Simplicillium lamellicola</i> , and its effect on the growth of <i>Triticum aestivum</i> . <i>Biological Control</i> , 2021, 160, 104684.	1.4	13
22	Two novel aliphatic unsaturated alcohols isolated from a pathogenic fungus <i>Fusarium proliferatum</i> . <i>Synthetic and Systems Biotechnology</i> , 2021, 6, 446-451.	1.8	3
23	Identification and Characterization of Pestalotioid Fungi Causing Leaf Spots on Mango in Southern China. <i>Plant Disease</i> , 2020, 104, 1207-1213.	0.7	22
24	In vitro antifungal activity of dimethyl trisulfide against <i>Colletotrichum gloeosporioides</i> from mango. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 4.	1.7	17
25	Leaf spot of <i>Polygonatum odoratum</i> caused by <i>Colletotrichum spaethianum</i> . <i>Journal of General Plant Pathology</i> , 2020, 86, 157-161.	0.6	9
26	The strange mitochondrial genomes of <i>Metschnikowia</i> yeasts. <i>Current Biology</i> , 2020, 30, R800-R801.	1.8	5
27	Molecular networking assisted discovery and biosynthesis elucidation of the antimicrobial spiroketals epicospirocins. <i>Chemical Communications</i> , 2020, 56, 10171-10174.	2.2	9
28	Chemical Composition and Attractant Activity of Volatiles from <i>Rhus potaninii</i> to The Spring Aphid <i>Kaburagia rhusicola</i> . <i>Molecules</i> , 2020, 25, 3412.	1.7	2
29	Delineating yeast species with genome average nucleotide identity: a calibration of ANI with haplontic, heterothallic <i>Metschnikowia</i> species. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 2097-2106.	0.7	27
30	<i>Colletotrichum neurubicola</i> sp. nov., a new leaf anthracnose pathogen of raspberry from northeast China. <i>Mycological Progress</i> , 2020, 19, 947-955.	0.5	3
31	Detection of Fungi and Oomycetes by Volatiles Using E-Nose and SPME-GC/MS Platforms. <i>Molecules</i> , 2020, 25, 5749.	1.7	29
32	Interactions between <i>Phytophthora cactorum</i> , <i>Armillaria gallica</i> and <i>Betula pendula</i> Roth. Seedlings Subjected to Defoliation. <i>Forests</i> , 2020, 11, 1107.	0.9	14
33	Distribution, identification and characterization of <i>Colletotrichum lineola</i> and <i>C. panacicola</i> causing anthracnose on ginseng in northeast China. <i>Crop Protection</i> , 2020, 137, 105265.	1.0	8
34	ChCDC25 Regulates Infection-Related Morphogenesis and Pathogenicity of the Crucifer Anthracnose Fungus <i>Colletotrichum higginsianum</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 763.	1.5	9
35	Genome-based mining of new antimicrobial meroterpenoids from the phytopathogenic fungus <i>Bipolaris sorokiniana</i> strain 11134. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3835-3846.	1.7	18
36	First molecular detection of <i>Lecanosticta acicola</i> from Poland on <i>Pinus mugo</i> . <i>Forest Pathology</i> , 2020, 50, e12589.	0.5	5

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37	Health Assessment and Genetic Structure of Monumental Norway Spruce Trees during A Bark Beetle (<i>Ips typographus</i> L.) Outbreak in the BiaÅ,owieÅ Forest District, Poland. <i>Forests</i> , 2020, 11, 647.	0.9	19
38	Catching speciation in the actâ€”act 2: <i>Metschnikowia lacustris</i> sp. nov., a sister species to <i>Metschnikowia dekortorum</i> . <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 753-762.	0.7	6
39	The yeast community of <i>Conotelus</i> sp. (Coleoptera: Nitidulidae) in Brazilian passionfruit flowers (<scp> <i>Passiflora edulis</i> </scp>) and description of <i>Metschnikowia amazonensis</i> sp. nov., a largeâ€”spored clade yeast. <i>Yeast</i> , 2020, 37, 253-260.	0.8	17
40	Acetyl-coenzyme A synthetase gene <i>ChAcs1</i> is essential for lipid metabolism, carbon utilization and virulence of the hemibiotrophic fungus <i>Colletotrichum higginsianum</i> . <i>Molecular Plant Pathology</i> , 2019, 20, 107-123.	2.0	15
41	Brocaeloid D, a novel compound isolated from a wheat pathogenic fungus, <i>Microdochium majus</i> 99049. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 173-179.	1.8	6
42	Antifungal effects of dimethyl trisulfide against <i>Colletotrichum gloeosporioides</i> infection on mango. <i>Journal of Phytopathology</i> , 2019, 167, 445-450.	0.5	5
43	A Loop-Mediated Isothermal Amplification Assay for Rapid Detection of <i>Pectobacterium aroidearum</i> that Causes Soft Rot in Konjac. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1937.	1.8	18
44	Genome- and MS-based mining of antibacterial chlorinated chromones and xanthenes from the phytopathogenic fungus <i>Bipolaris sorokiniana</i> strain 11134. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5167-5181.	1.7	18
45	<i>Colletotrichum</i> species associated with mango in southern China. <i>Scientific Reports</i> , 2019, 9, 18891.	1.6	47
46	Biocontrol potential of a <i>Bacillus subtilis</i> strain BJ-1 against the rice blast fungus <i>Magnaporthe oryzae</i> . <i>Canadian Journal of Plant Pathology</i> , 2019, 41, 47-59.	0.8	43
47	<i>Metschnikowia</i> mating genomics. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1935-1953.	0.7	11
48	Identification and Characterization of <i>Colletotrichum</i> Species Associated with Mango Anthracnose in Guangxi, China. <i>Plant Disease</i> , 2018, 102, 1283-1289.	0.7	51
49	A Putative Zn2Cys6 Transcription Factor Is Associated With Isoprothiolane Resistance in <i>Magnaporthe oryzae</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2608.	1.5	24
50	<i>Colletotrichum higginsianum</i> as a Model for Understanding Hostâ€”Pathogen Interactions: A Review. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2142.	1.8	53
51	Pathogenicity Genes in <i>Ustilagoidea virescens</i> Revealed by a Predicted Proteinâ€”Protein Interaction Network. <i>Journal of Proteome Research</i> , 2017, 16, 1193-1206.	1.8	22
52	A genomic comparison of putative pathogenicity-related gene families in five members of the Ophiostomatales with different lifestyles. <i>Fungal Biology</i> , 2017, 121, 234-252.	1.1	9
53	Multifaceted Roles of the Ras Guanine-Nucleotide Exchange Factor <i>ChRgf</i> in Development, Pathogenesis, and Stress Responses of <i>Colletotrichum higginsianum</i> . <i>Phytopathology</i> , 2017, 107, 433-443.	1.1	21
54	PCR Markers Derived from Comparative Genomics for Detection and Identification of the Rice Pathogen <i>Ustilagoidea virescens</i> in Plant Tissues. <i>Plant Disease</i> , 2017, 101, 1515-1521.	0.7	13

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55	Resistance to Dicarboximide Fungicides in a Canadian Population of <i>Microdochium nivale</i> . <i>Itsj</i> , 2017, 13, 133-138.	0.1	9
56	A Novel MFS Transporter Gene ChMfs1 Is Important for Hyphal Morphology, Conidiation, and Pathogenicity in <i>Colletotrichum higginsianum</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1953.	1.5	31
57	Draft Genome Sequence of <i>Salmacisia buchloana</i> (Basidiomycota), Which Induces Hermaphroditism in Dioecious Buffalograss. <i>Genome Announcements</i> , 2017, 5, .	0.8	3
58	Use of Random T-DNA Mutagenesis in Identification of Gene UvPRO1, A Regulator of Conidiation, Stress Response, and Virulence in <i>Ustilaginoidea virens</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 2086.	1.5	57
59	Phylogenetic Analysis of the Synnema-Producing Genus <i>Synnemapestaloides</i> . <i>Journal of Fungi (Basel)</i> , Tj ETQq1 1 0,784314 rgBT /Overl	1.5	2
60	A stable phylogeny of the large-spored <i>Metschnikowia</i> clade. <i>Yeast</i> , 2016, 33, 261-275.	0.8	41
61	Ecology and Physiology. , 2016, , 23-53.		2
62	Snow Mold Fungi. , 2016, , 55-94.		0
63	Snow Mold. , 2016, , .		8
64	A HOPS protein, CmVps39, is required for vacuolar morphology, autophagy, growth, conidiogenesis and mycoparasitic functions of <i>Coniothyrium minitans</i> . <i>Environmental Microbiology</i> , 2016, 18, 3785-3797.	1.8	19
65	Comparison of different sequencing and assembly strategies for a repeat-rich fungal genome, <i>Ophiocordyceps sinensis</i> . <i>Journal of Microbiological Methods</i> , 2016, 128, 1-6.	0.7	23
66	Differential expression profiling of the early response to <i>Ustilaginoidea virens</i> between false smut resistant and susceptible rice varieties. <i>BMC Genomics</i> , 2015, 16, 955.	1.2	56
67	Chemical management of <i>Volutella</i> leaf and stem blight of boxwood. <i>European Journal of Plant Pathology</i> , 2015, 142, 107-115.	0.8	2
68	Specific adaptation of <i>Ustilaginoidea virens</i> in occupying host florets revealed by comparative and functional genomics. <i>Nature Communications</i> , 2014, 5, 3849.	5.8	202
69	<i>Pseudonectria buxi</i> causing leaf and stem blight on <i>Buxus</i> in Canada. <i>European Journal of Plant Pathology</i> , 2014, 138, 763-773.	0.8	23
70	Comparative bacterial genomics: defining the minimal core genome. <i>Antonie Van Leeuwenhoek</i> , 2013, 103, 385-398.	0.7	14
71	Identification of virulence genes in the crucifer anthracnose fungus <i>Colletotrichum higginsianum</i> by insertional mutagenesis. <i>Microbial Pathogenesis</i> , 2013, 64, 6-17.	1.3	50
72	Multigene differences between <i>Microdochium nivale</i> and <i>Microdochium majus</i> . <i>Botany</i> , 2013, 91, 99-106.	0.5	27

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73	Genetic structure of a population of <i>Rhizoctonia solani</i> AG 2-2 IIB from <i>Agrostis stolonifera</i> revealed by inter-simple sequence repeat (ISSR) markers. <i>Canadian Journal of Plant Pathology</i> , 2013, 35, 476-481.	0.8	6
74	<i>Fusarium</i> wilt of <i>Coleus forskohlii</i> caused by <i>Fusarium oxysporum</i> in China. <i>Canadian Journal of Plant Pathology</i> , 2012, 34, 310-314.	0.8	6
75	Effects of volatile substances of <i>Streptomyces globisporus</i> JK-1 on control of <i>Botrytis cinerea</i> on tomato fruit. <i>Biological Control</i> , 2012, 61, 113-120.	1.4	136
76	A biologist's guide to de novo genome assembly using next-generation sequence data: A test with fungal genomes. <i>Journal of Microbiological Methods</i> , 2011, 86, 368-375.	0.7	33
77	Cold-induced responses in annual bluegrass genotypes with differential resistance to pink snow mold (<i>Microdochium nivale</i>). <i>Plant Science</i> , 2011, 180, 111-119.	1.7	16
78	Suppression of <i>Magnaporthe oryzae</i> by culture filtrates of <i>Streptomyces globisporus</i> JK-1. <i>Biological Control</i> , 2011, 58, 139-148.	1.4	91
79	Effect of SS-toxin, a metabolite of <i>Stemphylium solani</i> , on H ⁺ -ATPase activity and standard redox system in plasma membranes from seedlings leaves of garlic (<i>Allium sativum</i>). <i>European Journal of Plant Pathology</i> , 2010, 127, 419-425.	0.8	3
80	Fumigant activity of volatiles of <i>Streptomyces globisporus</i> JK-1 against <i>Penicillium italicum</i> on <i>Citrus microcarpa</i> . <i>Postharvest Biology and Technology</i> , 2010, 58, 157-165.	2.9	135
81	Induced systemic resistance against three foliar diseases of <i>Agrostis stolonifera</i> by (2 <i>R</i> ,3 <i>R</i>)-butanediol or an isoparaffin mixture. <i>Annals of Applied Biology</i> , 2010, 157, 179-189.	1.3	68
82	Isolation, Purification, and Biological Activity of a Phytotoxin Produced by <i>Stemphylium solani</i> . <i>Plant Disease</i> , 2010, 94, 1231-1237.	0.7	26
83	Integrated control of garlic leaf blight caused by <i>Stemphylium solani</i> in China. <i>Canadian Journal of Plant Pathology</i> , 2010, 32, 135-145.	0.8	8
84	Genetic Diversity for Pink Snow Mold Resistance in Greens-type Annual Bluegrass. <i>Crop Science</i> , 2009, 49, 589-599.	0.8	16
85	Host range and phytotoxicity of <i>Stemphylium solani</i> , causing leaf blight of garlic (<i>Allium sativum</i>) in China. <i>European Journal of Plant Pathology</i> , 2009, 124, 21-30.	0.8	24
86	Issues in Comparative Fungal Genomics. <i>Applied Mycology and Biotechnology</i> , 2006, , 99-122.	0.3	0
87	Comparison of the Yeast Proteome to Other Fungal Genomes to Find Core Fungal Genes. <i>Journal of Molecular Evolution</i> , 2005, 60, 475-483.	0.8	53
88	Recent progress, developments, and issues in comparative fungal genomics. <i>Canadian Journal of Plant Pathology</i> , 2004, 26, 19-30.	0.8	7
89	Comparative analysis of expressed sequence tags from <i>Malva pusilla</i> , <i>Sorghum bicolor</i> , and <i>Medicago truncatula</i> infected with <i>Colletotrichum</i> species. <i>Plant Science</i> , 2004, 167, 481-489.	1.7	16
90	Distinguishing plant and fungal sequences in ESTs from infected plant tissues. <i>Journal of Microbiological Methods</i> , 2003, 54, 339-351.	0.7	18

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91	Colletotrichum gloeosporioides infection induces differential expression of glutathione S-transferase genes in Malva pusilla. Functional Plant Biology, 2003, 30, 821.	1.1	10
92	Population structure and mating-type genes of Colletotrichum graminicola from Agrostis palustris. Canadian Journal of Microbiology, 2002, 48, 427-436.	0.8	30
93	Title is missing!. European Journal of Plant Pathology, 2001, 107, 571-581.	0.8	33
94	Activation of Defense Responses to Fusarium Infection in Asparagus densiflorus. European Journal of Plant Pathology, 2001, 107, 473-483.	0.8	30
95	Clonal and sexual propagation in Botrytis elliptica. Mycological Research, 2001, 105, 833-842.	2.5	18
96	Hemibiotrophic infection and identity of the fungus, Colletotrichum destructivum, causing anthracnose of tobacco. Mycological Research, 2001, 105, 1340-1347.	2.5	40
97	Role of Ice Nucleation and Antifreeze Activities in Pathogenesis and Growth of Snow Molds. Phytopathology, 2000, 90, 354-361.	1.1	69
98	Occurrence of <i>Kabatina juniperi</i> in Ontario and genetic analysis using RAPD markers. Canadian Journal of Plant Pathology, 2000, 22, 79-88.	0.8	4
99	Biology and Management of Typhula Snow Molds of Turfgrass. Plant Disease, 1999, 83, 788-798.	0.7	72
100	Relative virulence of isolates of Sclerotinia homoeocarpa with varying sensitivity to propiconazole. European Journal of Plant Pathology, 1998, 104, 163-169.	0.8	17
101	Genetic diversity of Microdochium nivale isolates from turfgrass. Mycological Research, 1998, 102, 559-567.	2.5	57
102	The mating system of Daedalopsis confragosa. Mycologia, 1998, 90, 82-84.	0.8	0
103	Estimating benzimidazole residues in thatch and turfgrass by bioassay. Pest Management Science, 1996, 46, 139-143.	0.7	8
104	Effect of a Wetting Agent on Adsorption, Movement and Uptake of Benomyl Applied to Creeping Bentgrass. Journal of Turfgrass Management, 1996, 1, 77-89.	0.1	0
105	Core Cultivation and Efficacy of Benomyl Applied to Creeping Bentgrass. Agronomy Journal, 1995, 87, 272-275.	0.9	6
106	Bioassays for benomyl adsorption and persistence in soil. Soil Biology and Biochemistry, 1994, 26, 317-324.	4.2	25
107	Growth and Virulence of Fungicide-Resistant Isolates of Three Species of Botrytis. Canadian Journal of Plant Pathology, 1991, 13, 226-231.	0.8	23
108	Physiological specialization of Heterobasidion annosum on conifer hosts. Canadian Journal of Botany, 1989, 67, 2396-2400.	1.2	9

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109	Variation in rust virulence and host resistance of <i>Melampsora</i> on black cottonwood. <i>Canadian Journal of Plant Pathology</i> , 1985, 7, 247-252.	0.8	12
110	Non-conventional fungicides to control dollar spot disease. <i>Itsrsj</i> , 0, , .	0.1	0
111	ChSch9 is required for infection-related morphogenesis and pathogenicity in <i>Colletotrichum higginsianum</i> . <i>Canadian Journal of Plant Pathology</i> , 0, , 1-15.	0.8	2
112	Resistance to the DMI fungicide propiconazole in Canadian populations of <i>Microdochium nivale</i> . <i>Itsrsj</i> , 0, , .	0.1	1