Jia-Tao Xie

List of Publications by Year
in descending order

119 papers	6,225 citations	81900 39 h-index	76900 74 g-index
120 all docs	120 docs citations	120 times ranked	4174 citing authors

#	Article	IF	Citations
1	A geminivirus-related DNA mycovirus that confers hypovirulence to a plant pathogenic fungus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8387-8392.	7.1	472
2	Taxonomy of the order Mononegavirales: update 2016. Archives of Virology, 2016, 161, 2351-2360.	2.1	407
3	New Insights into Mycoviruses and Exploration for the Biological Control of Crop Fungal Diseases. Annual Review of Phytopathology, 2014, 52, 45-68.	7.8	366
4	Extracellular transmission of a DNA mycovirus and its use as a natural fungicide. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1452-1457.	7.1	243
5	A ceratoâ€platanin protein SsCP1 targets plant PR1 and contributes to virulence of <i>Sclerotinia sclerotiorum</i>. New Phytologist, 2018, 217, 739-755.	7.3	211
6	ICTV Virus Taxonomy Profile: Partitiviridae. Journal of General Virology, 2018, 99, 17-18.	2.9	202
7	Widespread Horizontal Gene Transfer from Double-Stranded RNA Viruses to Eukaryotic Nuclear Genomes. Journal of Virology, 2010, 84, 11876-11887.	3.4	200
8	Fungal negative-stranded RNA virus that is related to bornaviruses and nyaviruses. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12205-12210.	7.1	198
9	A Small Secreted Virulence-Related Protein Is Essential for the Necrotrophic Interactions of Sclerotinia sclerotiorum with Its Host Plants. PLoS Pathogens, 2016, 12, e1005435.	4.7	180
10	A Secretory Protein of Necrotrophic Fungus Sclerotinia sclerotiorum That Suppresses Host Resistance. PLoS ONE, 2013, 8, e53901.	2.5	157
11	Fungal DNA virus infects a mycophagous insect and utilizes it as a transmission vector. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12803-12808.	7.1	143
12	A Novel Partitivirus That Confers Hypovirulence on Plant Pathogenic Fungi. Journal of Virology, 2014, 88, 10120-10133.	3.4	133
13	Comparative genomic and transcriptional analyses of the carbohydrate-active enzymes and secretomes of phytopathogenic fungi reveal their significant roles during infection and development. Scientific Reports, 2015, 5, 15565.	3.3	117
14	A 2-kb Mycovirus Converts a Pathogenic Fungus into a Beneficial Endophyte for Brassica Protection and Yield Enhancement. Molecular Plant, 2020, 13, 1420-1433.	8.3	113
15	A novel mycovirus closely related to hypoviruses that infects the plant pathogenic fungus Sclerotinia sclerotiorum. Virology, 2011, 418, 49-56.	2.4	111
16	Widespread Horizontal Gene Transfer from Circular Single-stranded DNA Viruses to Eukaryotic Genomes. BMC Evolutionary Biology, 2011, 11, 276.	3.2	109
17	Virome Characterization of a Collection of S. sclerotiorum from Australia. Frontiers in Microbiology, 2017, 8, 2540.	3.5	106
18	Novel Secretory Protein Ss-Caf1 of the Plant-Pathogenic Fungus <i>Sclerotinia sclerotiorum</i> Is Required for Host Penetration and Normal Sclerotial Development. Molecular Plant-Microbe Interactions, 2014, 27, 40-55.	2.6	105

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19	Evolutionary genomics of mycovirus-related dsRNA viruses reveals cross-family horizontal gene transfer and evolution of diverse viral lineages. BMC Evolutionary Biology, 2012, 12, 91.	3.2	104
20	Widespread Endogenization of Densoviruses and Parvoviruses in Animal and Human Genomes. Journal of Virology, 2011, 85, 9863-9876.	3.4	94
21	Antifungal substances produced by Penicillium oxalicum strain PY-1â€"potential antibiotics against plant pathogenic fungi. World Journal of Microbiology and Biotechnology, 2008, 24, 909-915.	3.6	85
22	Molecular characterizations of two mitoviruses co-infecting a hyovirulent isolate of the plant pathogenic fungus Sclerotinia sclerotiorum. Virology, 2012, 428, 77-85.	2.4	85
23	A mitovirus related to plant mitochondrial gene confers hypovirulence on the phytopathogenic fungus Sclerotinia sclerotiorum. Virus Research, 2015, 197, 127-136.	2.2	83
24	Virus-mediated suppression of host non-self recognition facilitates horizontal transmission of heterologous viruses. PLoS Pathogens, 2017, 13, e1006234.	4.7	81
25	ICTV Virus Taxonomy Profile: Hypoviridae. Journal of General Virology, 2018, 99, 615-616.	2.9	71
26	Molecular characterization of a bipartite double-stranded RNA virus and its satellite-like RNA co-infecting the phytopathogenic fungus Sclerotinia sclerotiorum. Frontiers in Microbiology, 2015, 6, 406.	3.5	70
27	Molecular characterization of two positive-strand RNA viruses co-infecting a hypovirulent strain of Sclerotinia sclerotiorum. Virology, 2014, 464-465, 450-459.	2.4	69
28	Dicer-Like Proteins Regulate Sexual Development via the Biogenesis of Perithecium-Specific MicroRNAs in a Plant Pathogenic Fungus Fusarium graminearum. Frontiers in Microbiology, 2018, 9, 818.	3.5	68
29	Transcriptome Analysis of Arabidopsis thaliana in Response to Plasmodiophora brassicae during Early Infection. Frontiers in Microbiology, 2017, 8, 673.	3.5	60
30	Integrated omics study of lipid droplets from Plasmodiophora brassicae. Scientific Reports, 2016, 6, 36965.	3.3	59
31	A novel virus that infecting hypovirulent strain XG36-1 of plant fungal pathogen Sclerotinia sclerotiorum. Virology Journal, 2009, 6, 96.	3.4	58
32	A cosmopolitan fungal pathogen of dicots adopts an endophytic lifestyle on cereal crops and protects them from major fungal diseases. ISME Journal, 2020, 14, 3120-3135.	9.8	57
33	Interannual dynamics, diversity and evolution of the virome in <i>Sclerotinia sclerotiorum</i> from a single crop field. Virus Evolution, 2021, 7, veab032.	4.9	56
34	An effector of a necrotrophic fungal pathogen targets the calciumâ€sensing receptor in chloroplasts to inhibit host resistance. Molecular Plant Pathology, 2020, 21, 686-701.	4.2	55
35	Endosphere microbiome comparison between symptomatic and asymptomatic roots of Brassica napus infected with Plasmodiophora brassicae. PLoS ONE, 2017, 12, e0185907.	2.5	53
36	ICTV Virus Taxonomy Profile: Botourmiaviridae. Journal of General Virology, 2020, 101, 454-455.	2.9	51

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37	Discovery of Novel dsRNA Viral Sequences by In Silico Cloning and Implications for Viral Diversity, Host Range and Evolution. PLoS ONE, 2012, 7, e42147.	2.5	48
38	Ss-Sl2, a Novel Cell Wall Protein with PAN Modules, Is Essential for Sclerotial Development and Cellular Integrity of Sclerotinia sclerotiorum. PLoS ONE, 2012, 7, e34962.	2.5	44
39	Arabidopsis Mutant bik1 Exhibits Strong Resistance to Plasmodiophora brassicae. Frontiers in Physiology, 2016, 7, 402.	2.8	44
40	Nox Complex signal and MAPK cascade pathway are cross-linked and essential for pathogenicity and conidiation of mycoparasite Coniothyrium minitans. Scientific Reports, 2016, 6, 24325.	3.3	41
41	Characterization of a Novel Megabirnavirus from Sclerotinia sclerotiorum Reveals Horizontal Gene Transfer from Single-Stranded RNA Virus to Double-Stranded RNA Virus. Journal of Virology, 2015, 89, 8567-8579.	3.4	40
42	Co-infection of a hypovirulent isolate of Sclerotinia sclerotiorum with a new botybirnavirus and a strain of a mitovirus. Virology Journal, 2016, 13, 92.	3.4	40
43	A Single ssRNA Segment Encoding RdRp Is Sufficient for Replication, Infection, and Transmission of Ourmia-Like Virus in Fungi. Frontiers in Microbiology, 2020, 11, 379.	3.5	39
44	A <i>Ralstonia solanacearum</i> effector targets TGA transcription factors to subvert salicylic acid signaling. Plant Cell, 2022, 34, 1666-1683.	6.6	39
45	3D Structures of Fungal Partitiviruses. Advances in Virus Research, 2013, 86, 59-85.	2.1	38
46	The Microbial Opsin Homolog Sop1 is involved in Sclerotinia sclerotiorum Development and Environmental Stress Response. Frontiers in Microbiology, 2015, 6, 1504.	3.5	38
47	Characterization of a novel Sclerotinia sclerotiorum RNA virus as the prototype of a new proposed family within the order Tymovirales. Virus Research, 2016, 219, 92-99.	2.2	37
48	Cyclic GMP as a Second Messenger in the Nitric Oxide-Mediated Conidiation of the Mycoparasite <i>Coniothyrium minitans</i>. Applied and Environmental Microbiology, 2010, 76, 2830-2836.	3.1	35
49	A Novel Deltaflexivirus that Infects the Plant Fungal Pathogen, Sclerotinia sclerotiorum, Can Be Transmitted Among Host Vegetative Incompatible Strains. Viruses, 2018, 10, 295.	3.3	35
50	Intergeneric transfer of ribosomal genes between two fungi. BMC Evolutionary Biology, 2008, 8, 87.	3.2	33
51	Bio-priming with a hypovirulent phytopathogenic fungus enhances the connection and strength of microbial interaction network in rapeseed. Npj Biofilms and Microbiomes, 2020, 6, 45.	6.4	33
52	Nine viruses from eight lineages exhibiting new evolutionary modes that co-infect a hypovirulent phytopathogenic fungus. PLoS Pathogens, 2021, 17, e1009823.	4.7	30
53	<i>CmPEX6</i> , a Gene Involved in Peroxisome Biogenesis, Is Essential for Parasitism and Conidiation by the Sclerotial Parasite Coniothyrium minitans. Applied and Environmental Microbiology, 2013, 79, 3658-3666.	3.1	28
54	Viruses of Helminthosporium (Cochlioblus) victoriae. Advances in Virus Research, 2013, 86, 289-325.	2.1	28

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55	Molecular Characterization of a Novel Positive-Sense, Single-Stranded RNA Mycovirus Infecting the Plant Pathogenic Fungus Sclerotinia sclerotiorum. Viruses, 2015, 7, 2470-2484.	3.3	28
56	Two alphapartitiviruses co-infecting a single isolate of the plant pathogenic fungus Rhizoctonia solani. Archives of Virology, 2018, 163, 515-520.	2.1	28
57	A Novel Ourmia-Like Mycovirus Confers Hypovirulence-Associated Traits on Fusarium oxysporum. Frontiers in Microbiology, 2020, 11, 569869.	3.5	27
58	The Subtilisin-Like Protease Bcser2 Affects the Sclerotial Formation, Conidiation and Virulence of Botrytis cinerea. International Journal of Molecular Sciences, 2020, 21, 603.	4.1	25
59	Histone H3 Lysine 9 Methyltransferase DIM5 Is Required for the Development and Virulence of Botrytis cinerea. Frontiers in Microbiology, 2016, 7, 1289.	3.5	24
60	The victorivirus Helminthosporium victoriae virus 190S is the primary cause of disease/hypovirulence in its natural host and a heterologous host. Virus Research, 2016, 213, 238-245.	2.2	24
61	ICTV Virus Taxonomy Profile: Megabirnaviridae. Journal of General Virology, 2019, 100, 1269-1270.	2.9	22
62	Phosphoribosylamidotransferase, the first enzyme for purine de novo synthesis, is required for conidiation in the sclerotial mycoparasite Coniothyrium minitans. Fungal Genetics and Biology, 2011, 48, 956-965.	2.1	21
63	Discovery of Two Mycoviruses by High-Throughput Sequencing and Assembly of Mycovirus-Derived Small Silencing RNAs From a Hypovirulent Strain of Sclerotinia sclerotiorum. Frontiers in Microbiology, 2019, 10, 1415.	3.5	21
64	Molecular characterization of a novel fusarivirus infecting the plant-pathogenic fungus Botryosphaeria dothidea. Archives of Virology, 2020, 165, 1033-1037.	2.1	20
65	Transcriptional Responses of Sclerotinia sclerotiorum to the Infection by SsHADV-1. Journal of Fungi (Basel, Switzerland), 2021, 7, 493.	3.5	20
66	A HOPS protein, CmVps39, is required for vacuolar morphology, autophagy, growth, conidiogenesis and mycoparasitic functions of <i>Coniothyrium minitans</i>. Environmental Microbiology, 2016, 18, 3785-3797.	3.8	19
67	Molecular Characterization of the First Alternavirus Identified in Fusarium oxysporum. Viruses, 2021, 13, 2026.	3.3	18
68	Functional Analysis of the Melanin-Associated Gene CmMR1 in Coniothyrium minitans. Frontiers in Microbiology, 2018, 9, 2658.	3.5	17
69	Editing homologous copies of an essential gene affords crop resistance against two cosmopolitan necrotrophic pathogens. Plant Biotechnology Journal, 2021, 19, 2349-2361.	8.3	17
70	Two distant helicases in one mycovirus: evidence of horizontal gene transfer between mycoviruses, coronaviruses and other nidoviruses. Virus Evolution, 2021, 7, veab043.	4.9	17
71	Sclerotia of a phytopathogenic fungus restrict microbial diversity and improve soil health by suppressing other pathogens and enriching beneficial microorganisms. Journal of Environmental Management, 2020, 259, 109857.	7.8	16
72	Genomic organization of a novel victorivirus from the rice blast fungus Magnaporthe oryzae. Archives of Virology, 2015, 160, 2907-2910.	2.1	15

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73	Complete genome sequence of a novel mitovirus from the phytopathogenic fungus Rhizoctonia oryzae-sativae. Archives of Virology, 2017, 162, 1409-1412.	2.1	15
74	A Novel RNA Virus Related to Sobemoviruses Confers Hypovirulence on the Phytopathogenic Fungus Sclerotinia sclerotiorum. Viruses, 2019, 11, 759.	3.3	15
75	Mycoparasitism illuminated by genome and transcriptome sequencing of Coniothyrium minitans, an important biocontrol fungus of the plant pathogen Sclerotinia sclerotiorum. Microbial Genomics, 2020, 6, .	2.0	15
76	A â€œfootprintâ€• of plant carbon fixation cycle functions during the development of a heterotrophic fungus. Scientific Reports, 2015, 5, 12952.	3.3	14
77	Molecular characterization of a novel fusarivirus infecting the edible fungus Auricularia heimuer. Archives of Virology, 2020, 165, 2689-2693.	2.1	14
78	Identification of Lasiodiplodia pseudotheobromae Causing Fruit Rot of Citrus in China. Plants, 2021, 10, 202.	3.5	14
79	Isolation and evaluation of the biocontrol potential of <i>Talaromyces</i> spp. against rice sheath blight guided by soil microbiome. Environmental Microbiology, 2021, 23, 5946-5961.	3.8	13
80	Codon Usage Provides Insights into the Adaptive Evolution of Mycoviruses in Their Associated Fungi Host. International Journal of Molecular Sciences, 2022, 23, 7441.	4.1	13
81	Uninterrupted Expression of CmSIT1 in a Sclerotial Parasite Coniothyrium minitans Leads to Reduced Growth and Enhanced Antifungal Ability. Frontiers in Microbiology, 2017, 8, 2208.	3.5	12
82	Early Transcriptional Response to DNA Virus Infection in Sclerotinia sclerotiorum. Viruses, 2019, 11, 278.	3.3	12
83	A fungal sirtuin modulates development and virulence in the insect pathogen, <i>Beauveria bassiana</i>. Environmental Microbiology, 2021, 23, 5164-5183.	3.8	12
84	Four Novel Botourmiaviruses Co-Infecting an Isolate of the Rice Blast Fungus Magnaporthe oryzae. Viruses, 2020, 12, 1383.	3.3	11
85	A Capsidless Virus Is <i>trans</i> -Encapsidated by a Bisegmented Botybirnavirus. Journal of Virology, 2022, 96, e0029622.	3.4	11
86	ORF Î™ of Mycovirus SsNSRV-1 is Associated with Debilitating Symptoms of Sclerotinia sclerotiorum. Viruses, 2020, 12, 456.	3.3	10
87	Genome Characterization and Phylogenetic Analysis of a Novel Endornavirus That Infects Fungal Pathogen Sclerotinia sclerotiorum. Viruses, 2022, 14, 456.	3.3	10
88	Active DNA demethylation regulates MAMP-triggered immune priming in Arabidopsis. Journal of Genetics and Genomics, 2022, 49, 796-809.	3.9	10
89	Exploring the Symbiotic Mechanism of a Virus-Mediated Endophytic Fungus in Its Host by Dual Unique Molecular Identifierâ€"RNA Sequencing. MSystems, 2021, 6, e0081421.	3.8	9
90	New insights into reovirus evolution: implications from a newly characterized mycoreovirus. Journal of General Virology, 2017, 98, 1132-1141.	2.9	9

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91	A novel polymycovirus with defective RNA isolated from the entomopathogenic fungus Beauveria bassiana Vuillemin. Archives of Virology, 2021, 166, 3487-3492.	2.1	9
92	MAPKK Inhibitor U0126 Inhibits <i>Plasmodiophora brassicae</i> Development. Phytopathology, 2018, 108, 711-720.	2.2	8
93	Molecular characteristics of a novel ssRNA virus isolated from Auricularia heimuer in China. Archives of Virology, 2020, 165, 1495-1499.	2.1	8
94	Sclerotinia sclerotiorumÂSsCut1 Modulates Virulence and Cutinase Activity. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.5	8
95	Two Novel Rhabdoviruses Related to Hypervirulence in a Phytopathogenic Fungus. Journal of Virology, 2022, 96, e0001222.	3.4	7
96	Selenium Combined with Methyl Jasmonate to Control Tomato Gray Mold by Optimizing Microbial Community Structure in Plants. Journal of Fungi (Basel, Switzerland), 2022, 8, 731.	3.5	7
97	Proto-oncogenes in a eukaryotic unicellular organism play essential roles in plasmodial growth in host cells. BMC Genomics, 2018, 19, 881.	2.8	6
98	The complete genome sequence of a novel hypovirus infecting Bipolaris oryzae. Archives of Virology, 2020, 165, 1027-1031.	2.1	6
99	A novel antisense long nonâ€coding <scp>RNA</scp> participates in asexual and sexual reproduction by regulating the expression of <scp><i>GzmetE</i></scp> in <scp><i>Fusarium graminearum</i></scp>. Environmental Microbiology, 2021, 23, 4939-4955.	3.8	6
100	The Spt10 GNAT Superfamily Protein Modulates Development, Cell Cycle Progression and Virulence in the Fungal Insect Pathogen, Beauveria bassiana. Journal of Fungi (Basel, Switzerland), 2021, 7, 905.	3.5	6
101	Deciphering Bacterial Community of the Fallow and Paddy Soil Focusing on Possible Biocontrol Agents. Agronomy, 2022, 12, 431.	3.0	6
102	CmAim24 Is Essential for Mitochondrial Morphology, Conidiogenesis, and Mycoparasitism in <i>Coniothyrium minitans</i>. Applied and Environmental Microbiology, 2020, 86, .	3.1	5
103	lncRsp1 , a long noncoding RNA, influences Fgsp1 expression and sexual reproduction in Fusarium graminearum. Molecular Plant Pathology, 2021, , .	4.2	5
104	Mycoviromic Analysis Unveils Complex Virus Composition in a Hypovirulent Strain of Sclerotinia sclerotiorum. Journal of Fungi (Basel, Switzerland), 2022, 8, 649.	3.5	5
105	A cinnamyl alcohol dehydrogenase required for sclerotial development in Sclerotinia sclerotiorum. Phytopathology Research, 2020, 2, .	2.4	4
106	Host Transcriptional Response of Sclerotinia sclerotiorum Induced by the Mycoparasite Coniothyrium minitans. Frontiers in Microbiology, 2020, 11, 183.	3.5	4
107	Characterization of a novel botoulivirus isolated from the phytopathogenic fungus Sclerotinia sclerotiorum. Archives of Virology, 2021, 166, 2859-2863.	2.1	4
108	Reprint of â€œThe victorivirus Helminthosporium victoriae virus 190S is the primary cause of disease/hypovirulence in its natural host and a heterologous hostâ€. Virus Research, 2016, 219, 100-107.	2.2	3

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109	First report of phytoplasma groups 16SrI and 16SrV infecting Brassica napus in China. Crop Protection, 2019, 126, 104921.	2.1	3
110	Contributions of a Histone Deacetylase (SirT2/Hst2) to Beauveria bassiana Growth, Development, and Virulence. Journal of Fungi (Basel, Switzerland), 2022, 8, 236.	3.5	3
111	Characterization of a novel RNA virus from the phytopathogenic fungus Leptosphaeria biglobosa related to members of the genus Mitovirus. Archives of Virology, 2019, 164, 913-916.	2.1	2
112	Editorial: Frontiers in Fungal Virus Research. Frontiers in Cellular and Infection Microbiology, 2020, 9, 456.	3.9	2
113	Characterization of a newly identified RNA segment derived from the genome of Sclerotinia sclerotiorum reovirus 1. Archives of Virology, 2022, 167, 603-606.	2.1	2
114	Fusarivirus accessory helicases present an evolutionary link for viruses infecting plants and fungi. Virologica Sinica, 2022, 37, 427-436.	3.0	2
115	Mixed Infections of Mycoviruses in Phytopathogenic Fungus Sclerotinia sclerotiorum. , 2021, , 461-467.		1
116	Botybirnaviruses (Botybirnavirus). , 2021, , 552-556.		1
117	A novel alphahypovirus that infects the fungal plant pathogen Sclerotinia sclerotiorum. Archives of Virology, 2022, 167, 213-217.	2.1	1
118	Editorial: Mycoviruses and Related Viruses Infecting Fungi, Lower Eukaryotes, Plants and Insects. Frontiers in Microbiology, 2021, 12, 798598.	3.5	1
119	Vegetative Incompatibility in Filamentous Fungi. , 2021, , 520-527.		0