

Jia-Tao Xie

List of Publications by Year in descending order

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119
papers

6,225
citations

93792

39
h-index

87275

74
g-index

120
all docs

120
docs citations

120
times ranked

4575
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel alphahypovirus that infects the fungal plant pathogen <i>Sclerotinia sclerotiorum</i> . <i>Archives of Virology</i> , 2022, 167, 213-217.	0.9	1
2	Characterization of a newly identified RNA segment derived from the genome of <i>Sclerotinia sclerotiorum</i> reovirus 1. <i>Archives of Virology</i> , 2022, 167, 603-606.	0.9	2
3	A <i>Ralstonia solanacearum</i> effector targets TGA transcription factors to subvert salicylic acid signaling. <i>Plant Cell</i> , 2022, 34, 1666-1683.	3.1	39
4	Deciphering Bacterial Community of the Fallow and Paddy Soil Focusing on Possible Biocontrol Agents. <i>Agronomy</i> , 2022, 12, 431.	1.3	6
5	Genome Characterization and Phylogenetic Analysis of a Novel Endornavirus That Infects Fungal Pathogen <i>Sclerotinia sclerotiorum</i> . <i>Viruses</i> , 2022, 14, 456.	1.5	10
6	Contributions of a Histone Deacetylase (SirT2/Hst2) to <i>Beauveria bassiana</i> Growth, Development, and Virulence. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 236.	1.5	3
7	Active DNA demethylation regulates MAMP-triggered immune priming in <i>Arabidopsis</i> . <i>Journal of Genetics and Genomics</i> , 2022, 49, 796-809.	1.7	10
8	Fusarivirus accessory helicases present an evolutionary link for viruses infecting plants and fungi. <i>Virologica Sinica</i> , 2022, 37, 427-436.	1.2	2
9	Two Novel Rhabdoviruses Related to Hypervirulence in a Phytopathogenic Fungus. <i>Journal of Virology</i> , 2022, 96, e0001222.	1.5	7
10	A Capsidless Virus Is <i>trans</i> -Encapsidated by a Bisegmented Botybirnavirus. <i>Journal of Virology</i> , 2022, 96, e0029622.	1.5	11
11	<i>Sclerotinia sclerotiorum</i> SsCut1 Modulates Virulence and Cutinase Activity. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 649.	1.5	5
12	Selenium Combined with Methyl Jasmonate to Control Tomato Gray Mold by Optimizing Microbial Community Structure in Plants. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 731.	1.5	7
13	Codon Usage Provides Insights into the Adaptive Evolution of Mycoviruses in Their Associated Fungi Host. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7441.	1.8	13
14	Identification of <i>Lasiodiplodia pseudotheobromae</i> Causing Fruit Rot of Citrus in China. <i>Plants</i> , 2021, 10, 202.	1.6	14
15	Interannual dynamics, diversity and evolution of the virome in <i>Sclerotinia sclerotiorum</i> from a single crop field. <i>Virus Evolution</i> , 2021, 7, veab032.	2.2	56
16	Mixed Infections of Mycoviruses in Phytopathogenic Fungus <i>Sclerotinia sclerotiorum</i> . , 2021, , 461-467.		1
17	Botybirnaviruses (Botybirnavirus). , 2021, , 552-556.		1

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19	Vegetative Incompatibility in Filamentous Fungi. , 2021, , 520-527.		0
20	A novel antisense long non-coding <i>scp>RNA</scp></i> participates in asexual and sexual reproduction by regulating the expression of <i>scp>GzmetE</scp></i> in <i>scp>Fusarium graminearum</scp></i> . Environmental Microbiology, 2021, 23, 4939-4955.	1.8	6
21	Isolation and evaluation of the biocontrol potential of <i>Talaromyces</i></i> spp. against rice sheath blight guided by soil microbiome. Environmental Microbiology, 2021, 23, 5946-5961.	1.8	13
22	Transcriptional Responses of <i>Sclerotinia sclerotiorum</i> to the Infection by SsHADV-1. Journal of Fungi (Basel, Switzerland), 2021, 7, 493.	1.5	20
23	Characterization of a novel botoulivirus isolated from the phytopathogenic fungus <i>Sclerotinia sclerotiorum</i> . Archives of Virology, 2021, 166, 2859-2863.	0.9	4
24	Editing homologous copies of an essential gene affords crop resistance against two cosmopolitan necrotrophic pathogens. Plant Biotechnology Journal, 2021, 19, 2349-2361.	4.1	17
25	Nine viruses from eight lineages exhibiting new evolutionary modes that co-infect a hypovirulent phytopathogenic fungus. PLoS Pathogens, 2021, 17, e1009823.	2.1	30
26	A fungal sirtuin modulates development and virulence in the insect pathogen, <i>Beauveria bassiana</i></i> . Environmental Microbiology, 2021, 23, 5164-5183.	1.8	12
27	Exploring the Symbiotic Mechanism of a Virus-Mediated Endophytic Fungus in Its Host by Dual Unique Molecular Identifierâ€“RNA Sequencing. MSystems, 2021, 6, e0081421.	1.7	9
28	Two distant helicases in one mycovirus: evidence of horizontal gene transfer between mycoviruses, coronaviruses and other nidoviruses. Virus Evolution, 2021, 7, veab043.	2.2	17
29	A novel polymycovirus with defective RNA isolated from the entomopathogenic fungus <i>Beauveria bassiana</i> Vuillemin. Archives of Virology, 2021, 166, 3487-3492.	0.9	9
30	Molecular Characterization of the First Alternavirus Identified in <i>Fusarium oxysporum</i> . Viruses, 2021, 13, 2026.	1.5	18
31	The Spt10 GNAT Superfamily Protein Modulates Development, Cell Cycle Progression and Virulence in the Fungal Insect Pathogen, <i>Beauveria bassiana</i> . Journal of Fungi (Basel, Switzerland), 2021, 7, 905.	1.5	6
32	Editorial: Mycoviruses and Related Viruses Infecting Fungi, Lower Eukaryotes, Plants and Insects. Frontiers in Microbiology, 2021, 12, 798598.	1.5	1
33	lncRsp1 , a long noncoding RNA, influences Fgsp1 expression and sexual reproduction in <i>Fusarium graminearum</i> . Molecular Plant Pathology, 2021, , .	2.0	5
34	CmAim24 Is Essential for Mitochondrial Morphology, Conidiogenesis, and Mycoparasitism in <i>Coniothyrium minitans</i></i> . Applied and Environmental Microbiology, 2020, 86, .	1.4	5
35	A 2-kb Mycovirus Converts a Pathogenic Fungus into a Beneficial Endophyte for Brassica Protection and Yield Enhancement. Molecular Plant, 2020, 13, 1420-1433.	3.9	113
36	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.	2.9	33

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37	A cosmopolitan fungal pathogen of dicots adopts an endophytic lifestyle on cereal crops and protects them from major fungal diseases. <i>ISME Journal</i> , 2020, 14, 3120-3135.	4.4	57
38	Molecular characterization of a novel fusarivirus infecting the edible fungus <i>Auricularia heimuer</i> . <i>Archives of Virology</i> , 2020, 165, 2689-2693.	0.9	14
39	Four Novel Botourmiaviruses Co-Infecting an Isolate of the Rice Blast Fungus <i>Magnaporthe oryzae</i> . <i>Viruses</i> , 2020, 12, 1383.	1.5	11
40	A Novel Ourmia-Like Mycovirus Confers Hypovirulence-Associated Traits on <i>Fusarium oxysporum</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 569869.	1.5	27
41	A cinnamyl alcohol dehydrogenase required for sclerotial development in <i>Sclerotinia sclerotiorum</i> . <i>Phytopathology Research</i> , 2020, 2, .	0.9	4
42	An effector of a necrotrophic fungal pathogen targets the calcium-sensing receptor in chloroplasts to inhibit host resistance. <i>Molecular Plant Pathology</i> , 2020, 21, 686-701.	2.0	55
43	Editorial: <i>Frontiers in Fungal Virus Research</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 9, 456.	1.8	2
44	Molecular characterization of a novel fusarivirus infecting the plant-pathogenic fungus <i>Botryosphaeria dothidea</i> . <i>Archives of Virology</i> , 2020, 165, 1033-1037.	0.9	20
45	The complete genome sequence of a novel hypovirus infecting <i>Bipolaris oryzae</i> . <i>Archives of Virology</i> , 2020, 165, 1027-1031.	0.9	6
46	The Subtilisin-Like Protease Bcser2 Affects the Sclerotial Formation, Conidiation and Virulence of <i>Botrytis cinerea</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 603.	1.8	25
47	Host Transcriptional Response of <i>Sclerotinia sclerotiorum</i> Induced by the Mycoparasite <i>Coniothyrium minitans</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 183.	1.5	4
48	Molecular characteristics of a novel ssRNA virus isolated from <i>Auricularia heimuer</i> in China. <i>Archives of Virology</i> , 2020, 165, 1495-1499.	0.9	8
49	ORF 1 TM of Mycovirus SsNSRV-1 is Associated with Debilitating Symptoms of <i>Sclerotinia sclerotiorum</i> . <i>Viruses</i> , 2020, 12, 456.	1.5	10
50	A Single ssRNA Segment Encoding RdRp Is Sufficient for Replication, Infection, and Transmission of Ourmia-Like Virus in Fungi. <i>Frontiers in Microbiology</i> , 2020, 11, 379.	1.5	39
51	Sclerotia of a phytopathogenic fungus restrict microbial diversity and improve soil health by suppressing other pathogens and enriching beneficial microorganisms. <i>Journal of Environmental Management</i> , 2020, 259, 109857.	3.8	16
52	ICTV Virus Taxonomy Profile: Botourmiaviridae. <i>Journal of General Virology</i> , 2020, 101, 454-455.	1.3	51
53	Mycoparasitism illuminated by genome and transcriptome sequencing of <i>Coniothyrium minitans</i> , an important biocontrol fungus of the plant pathogen <i>Sclerotinia sclerotiorum</i> . <i>Microbial Genomics</i> , 2020, 6, .	1.0	15
54	Discovery of Two Mycoviruses by High-Throughput Sequencing and Assembly of Mycovirus-Derived Small Silencing RNAs From a Hypovirulent Strain of <i>Sclerotinia sclerotiorum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1415.	1.5	21

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55	First report of phytoplasma groups 16SrI and 16SrV infecting Brassica napus in China. Crop Protection, 2019, 126, 104921.	1.0	3
56	A Novel RNA Virus Related to Sobemoviruses Confers Hypovirulence on the Phytopathogenic Fungus Sclerotinia sclerotiorum. Viruses, 2019, 11, 759.	1.5	15
57	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.	0.9	2
58	Early Transcriptional Response to DNA Virus Infection in Sclerotinia sclerotiorum. Viruses, 2019, 11, 278.	1.5	12
59	ICTV Virus Taxonomy Profile: Megabirnaviridae. Journal of General Virology, 2019, 100, 1269-1270.	1.3	22
60	MAPKK Inhibitor UO126 Inhibits <i>Plasmodiophora brassicae</i> Development. Phytopathology, 2018, 108, 711-720.	1.1	8
61	A cerato-platanin protein SsCP1 targets plant PR1 and contributes to virulence of <i>Sclerotinia sclerotiorum</i> . New Phytologist, 2018, 217, 739-755.	3.5	211
62	Two alphapartitiviruses co-infecting a single isolate of the plant pathogenic fungus Rhizoctonia solani. Archives of Virology, 2018, 163, 515-520.	0.9	28
63	Proto-oncogenes in a eukaryotic unicellular organism play essential roles in plasmodial growth in host cells. BMC Genomics, 2018, 19, 881.	1.2	6
64	Functional Analysis of the Melanin-Associated Gene CmMR1 in Coniothyrium minitans. Frontiers in Microbiology, 2018, 9, 2658.	1.5	17
65	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.	1.5	68
66	A Novel Deltaflexivirus that Infects the Plant Fungal Pathogen, Sclerotinia sclerotiorum, Can Be Transmitted Among Host Vegetative Incompatible Strains. Viruses, 2018, 10, 295.	1.5	35
67	ICTV Virus Taxonomy Profile: Partitiviridae. Journal of General Virology, 2018, 99, 17-18.	1.3	202
68	ICTV Virus Taxonomy Profile: Hypoviridae. Journal of General Virology, 2018, 99, 615-616.	1.3	71
69	Complete genome sequence of a novel mitovirus from the phytopathogenic fungus Rhizoctonia oryzae-sativae. Archives of Virology, 2017, 162, 1409-1412.	0.9	15
70	Transcriptome Analysis of Arabidopsis thaliana in Response to Plasmodiophora brassicae during Early Infection. Frontiers in Microbiology, 2017, 8, 673.	1.5	60
71	Uninterrupted Expression of CmSIT1 in a Sclerotial Parasite Coniothyrium minitans Leads to Reduced Growth and Enhanced Antifungal Ability. Frontiers in Microbiology, 2017, 8, 2208.	1.5	12
72	Endosphere microbiome comparison between symptomatic and asymptomatic roots of Brassica napus infected with Plasmodiophora brassicae. PLoS ONE, 2017, 12, e0185907.	1.1	53

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73	Virome Characterization of a Collection of <i>S. sclerotiorum</i> from Australia. <i>Frontiers in Microbiology</i> , 2017, 8, 2540.	1.5	106
74	New insights into reovirus evolution: implications from a newly characterized mycoreovirus. <i>Journal of General Virology</i> , 2017, 98, 1132-1141.	1.3	9
75	Virus-mediated suppression of host non-self recognition facilitates horizontal transmission of heterologous viruses. <i>PLoS Pathogens</i> , 2017, 13, e1006234.	2.1	81
76	Histone H3 Lysine 9 Methyltransferase DIM5 Is Required for the Development and Virulence of <i>Botrytis cinerea</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1289.	1.5	24
77	<i>Arabidopsis</i> Mutant <i>bik1</i> Exhibits Strong Resistance to <i>Plasmodiophora brassicae</i> . <i>Frontiers in Physiology</i> , 2016, 7, 402.	1.3	44
78	Co-infection of a hypovirulent isolate of <i>Sclerotinia sclerotiorum</i> with a new botybirnavirus and a strain of a mitovirus. <i>Virology Journal</i> , 2016, 13, 92.	1.4	40
79	Nox Complex signal and MAPK cascade pathway are cross-linked and essential for pathogenicity and conidiation of mycoparasite <i>Coniothyrium minitans</i> . <i>Scientific Reports</i> , 2016, 6, 24325.	1.6	41
80	Taxonomy of the order Mononegavirales: update 2016. <i>Archives of Virology</i> , 2016, 161, 2351-2360.	0.9	407
81	Integrated omics study of lipid droplets from <i>Plasmodiophora brassicae</i> . <i>Scientific Reports</i> , 2016, 6, 36965.	1.6	59
82	Fungal DNA virus infects a mycophagous insect and utilizes it as a transmission vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12803-12808.	3.3	143
83	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
84	Reprint of "The victorivirus <i>Helminthosporium victoriae</i> virus 190S is the primary cause of disease/hypovirulence in its natural host and a heterologous host". <i>Virus Research</i> , 2016, 219, 100-107.	1.1	3
85	The victorivirus <i>Helminthosporium victoriae</i> virus 190S is the primary cause of disease/hypovirulence in its natural host and a heterologous host. <i>Virus Research</i> , 2016, 213, 238-245.	1.1	24
86	Characterization of a novel <i>Sclerotinia sclerotiorum</i> RNA virus as the prototype of a new proposed family within the order Tymovirales. <i>Virus Research</i> , 2016, 219, 92-99.	1.1	37
87	A Small Secreted Virulence-Related Protein Is Essential for the Necrotrophic Interactions of <i>Sclerotinia sclerotiorum</i> with Its Host Plants. <i>PLoS Pathogens</i> , 2016, 12, e1005435.	2.1	180
88	Comparative genomic and transcriptional analyses of the carbohydrate-active enzymes and secretomes of phytopathogenic fungi reveal their significant roles during infection and development. <i>Scientific Reports</i> , 2015, 5, 15565.	1.6	117
89	A "footprint" of plant carbon fixation cycle functions during the development of a heterotrophic fungus. <i>Scientific Reports</i> , 2015, 5, 12952.	1.6	14
90	Molecular characterization of a bipartite double-stranded RNA virus and its satellite-like RNA co-infecting the phytopathogenic fungus <i>Sclerotinia sclerotiorum</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 406.	1.5	70

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91	Characterization of a Novel Megabirnavirus from <i>Sclerotinia sclerotiorum</i> Reveals Horizontal Gene Transfer from Single-Stranded RNA Virus to Double-Stranded RNA Virus. <i>Journal of Virology</i> , 2015, 89, 8567-8579.	1.5	40
92	A mitovirus related to plant mitochondrial gene confers hypovirulence on the phytopathogenic fungus <i>Sclerotinia sclerotiorum</i> . <i>Virus Research</i> , 2015, 197, 127-136.	1.1	83
93	Molecular Characterization of a Novel Positive-Sense, Single-Stranded RNA Mycovirus Infecting the Plant Pathogenic Fungus <i>Sclerotinia sclerotiorum</i> . <i>Viruses</i> , 2015, 7, 2470-2484.	1.5	28
94	Genomic organization of a novel victorivirus from the rice blast fungus <i>Magnaporthe oryzae</i> . <i>Archives of Virology</i> , 2015, 160, 2907-2910.	0.9	15
95	The Microbial Opsin Homolog Sop1 is involved in <i>Sclerotinia sclerotiorum</i> Development and Environmental Stress Response. <i>Frontiers in Microbiology</i> , 2015, 6, 1504.	1.5	38
96	Novel Secretory Protein Ss-Caf1 of the Plant-Pathogenic Fungus <i>Sclerotinia sclerotiorum</i> Is Required for Host Penetration and Normal Sclerotial Development. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 40-55.	1.4	105
97	Molecular characterization of two positive-strand RNA viruses co-infecting a hypovirulent strain of <i>Sclerotinia sclerotiorum</i> . <i>Virology</i> , 2014, 464-465, 450-459.	1.1	69
98	Fungal negative-stranded RNA virus that is related to bornaviruses and nyaviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12205-12210.	3.3	198
99	New Insights into Mycoviruses and Exploration for the Biological Control of Crop Fungal Diseases. <i>Annual Review of Phytopathology</i> , 2014, 52, 45-68.	3.5	366
100	A Novel Partitivirus That Confers Hypovirulence on Plant Pathogenic Fungi. <i>Journal of Virology</i> , 2014, 88, 10120-10133.	1.5	133
101	<i>CmPEX6</i> , a Gene Involved in Peroxisome Biogenesis, Is Essential for Parasitism and Conidiation by the Sclerotial Parasite <i>Coniothyrium minitans</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 3658-3666.	1.4	28
102	Extracellular transmission of a DNA mycovirus and its use as a natural fungicide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1452-1457.	3.3	243
103	3D Structures of Fungal Partitiviruses. <i>Advances in Virus Research</i> , 2013, 86, 59-85.	0.9	38
104	Viruses of <i>Helminthosporium (Cochliobolus) victoriae</i> . <i>Advances in Virus Research</i> , 2013, 86, 289-325.	0.9	28
105	A Secretory Protein of Necrotrophic Fungus <i>Sclerotinia sclerotiorum</i> That Suppresses Host Resistance. <i>PLoS ONE</i> , 2013, 8, e53901.	1.1	157
106	Evolutionary genomics of mycovirus-related dsRNA viruses reveals cross-family horizontal gene transfer and evolution of diverse viral lineages. <i>BMC Evolutionary Biology</i> , 2012, 12, 91.	3.2	104
107	Ss-Sl2, a Novel Cell Wall Protein with PAN Modules, Is Essential for Sclerotial Development and Cellular Integrity of <i>Sclerotinia sclerotiorum</i> . <i>PLoS ONE</i> , 2012, 7, e34962.	1.1	44
108	Molecular characterizations of two mitoviruses co-infecting a hypovirulent isolate of the plant pathogenic fungus <i>Sclerotinia sclerotiorum</i> . <i>Virology</i> , 2012, 428, 77-85.	1.1	85

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109	Discovery of Novel dsRNA Viral Sequences by In Silico Cloning and Implications for Viral Diversity, Host Range and Evolution. PLoS ONE, 2012, 7, e42147.	1.1	48
110	Phosphoribosylamidotransferase, the first enzyme for purine de novo synthesis, is required for conidiation in the sclerotial mycoparasite <i>Coniothyrium minitans</i> . Fungal Genetics and Biology, 2011, 48, 956-965.	0.9	21
111	A novel mycovirus closely related to hypoviruses that infects the plant pathogenic fungus <i>Sclerotinia sclerotiorum</i> . Virology, 2011, 418, 49-56.	1.1	111
112	Widespread Horizontal Gene Transfer from Circular Single-stranded DNA Viruses to Eukaryotic Genomes. BMC Evolutionary Biology, 2011, 11, 276.	3.2	109
113	Widespread Endogenization of Densoviruses and Parvoviruses in Animal and Human Genomes. Journal of Virology, 2011, 85, 9863-9876.	1.5	94
114	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.	1.4	35
115	Widespread Horizontal Gene Transfer from Double-Stranded RNA Viruses to Eukaryotic Nuclear Genomes. Journal of Virology, 2010, 84, 11876-11887.	1.5	200
116	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.	3.3	472
117	A novel virus that infecting hypovirulent strain XG36-1 of plant fungal pathogen <i>Sclerotinia sclerotiorum</i> . Virology Journal, 2009, 6, 96.	1.4	58
118	Antifungal substances produced by <i>Penicillium oxalicum</i> strain PY-1 potential antibiotics against plant pathogenic fungi. World Journal of Microbiology and Biotechnology, 2008, 24, 909-915.	1.7	85
119	Intergeneric transfer of ribosomal genes between two fungi. BMC Evolutionary Biology, 2008, 8, 87.	3.2	33