Christopher L Schardl

List of Publications by Year
in descending order

162 papers	13,370 citations	22548 61 h-index	27587 110 g-index
170 all docs	170 docs citations	170 times ranked	6902 citing authors

#	Article	IF	Citations
1	Cross-species transcriptomics identifies core regulatory changes differentiating the asymptomatic asexual and virulent sexual life cycles of grass-symbioticEpichloÃ«fungi. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	4
2	Differential gene expression in tall fescue tissues in response to water deficit. Plant Genome, 2022, 15, e20199.	1.6	9
3	Transcriptome analysis of EpichloÃ« strains in tall fescue in response to drought stress. Mycologia, 2022, 114, 697-712.	0.8	8
4	Non-Transgenic CRISPR-Mediated Knockout of Entire Ergot Alkaloid Gene Clusters in Slow-Growing Asexual Polyploid Fungi. Toxins, 2021, 13, 153.	1.5	12
5	Genetic Relationships in the Toxin-Producing Fungal Endophyte, AlternariaÂoxytropis Using Polyketide Synthase and Non-Ribosomal Peptide Synthase Genes. Journal of Fungi (Basel, Switzerland), 2021, 7, 538.	1.5	6
6	CURatio: Genome-Wide Phylogenomic Analysis Method Using Ratios of Total Branch Lengths. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 981-989.	1.9	2
7	Phylogenetic relationship and taxonomy of a hybrid EpichloÃ« species symbiotic with Festuca sinensis. Mycological Progress, 2020, 19, 1069-1081.	0.5	12
8	First Report of Hemp Leaf Spot Caused by a Bipolaris Species on Hemp (Cannabis sativa) in Kentucky. Plant Health Progress, 2020, 21, 82-84.	0.8	10
9	Transcriptome Analysis and Differential Expression in Tall Fescue Harboring Different Endophyte Strains in Response to Water Deficit. Plant Genome, 2019, 12, 180071.	1.6	29
10	Efficient nonenzymatic cyclization and domain shuffling drive pyrrolopyrazine diversity from truncated variants of a fungal NRPS. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25614-25623.	3.3	27
11	Transcriptomics of EpichloÃ«-Grass Symbioses in Host Vegetative and Reproductive Stages. Molecular Plant-Microbe Interactions, 2019, 32, 194-207.	1.4	22
12	Installation of the Ether Bridge of Lolines by the Iron- and 2-Oxoglutarate-Dependent Oxygenase, LolO: Regio- and Stereochemistry of Sequential Hydroxylation and Oxacyclization Reactions. Biochemistry, 2018, 57, 2074-2083.	1.2	33
13	Repeat elements organise 3D genome structure and mediate transcription in the filamentous fungus EpichloÃ« festucae. PLoS Genetics, 2018, 14, e1007467.	1.5	79
14	A comparative genomic analysis of putative pathogenicity genes in the host-specific sibling species Colletotrichum graminicola and Colletotrichum sublineola. BMC Genomics, 2017, 18, 67.	1.2	53
15	Ergot Alkaloids of the Family Clavicipitaceae. Phytopathology, 2017, 107, 504-518.	1.1	76
16	Swainsonine Biosynthesis Genes in Diverse Symbiotic and Pathogenic Fungi. G3: Genes, Genomes, Genetics, 2017, 7, 1791-1797.	0.8	60
17	Host Tissue Environment Directs Activities of an EpichloÃ« Endophyte, While It Induces Systemic Hormone and Defense Responses in Its Native Perennial Ryegrass Host. Molecular Plant-Microbe Interactions, 2017, 30, 138-149.	1.4	68
18	Transcriptome response of Lolium arundinaceum to its fungal endophyte EpichloÃ« coenophiala. New Phytologist, 2017, 213, 324-337.	3.5	77

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19	Toxin-producing EpichloÃ« bromicola strains symbiotic with the forage grass Elymus dahuricus in China. Mycologia, 2017, 109, 847-859.	0.8	12
20	EpichloÃ« festucaeendophytic growth in florets, seeds, and seedlings of perennial ryegrass (Lolium perenne). Mycologia, 2017, 109, 1-10.	0.8	33
21	Chromosome-End Knockoff Strategy to Reshape Alkaloid Profiles of a Fungal Endophyte. G3: Genes, Genomes, Genetics, 2016, 6, 2601-2610.	0.8	19
22	Modulation of Ergot Alkaloids in a Grassâ€“Endophyte Symbiosis by Alteration of mRNA Concentrations of an Ergot Alkaloid Synthesis Gene. Journal of Agricultural and Food Chemistry, 2016, 64, 4982-4989.	2.4	8
23	Endophytic EpichloÃ« species and their grass hosts: from evolution to applications. Plant Molecular Biology, 2016, 90, 665-675.	2.0	125
24	Validation and quality assurance for genome browser database exports. BMC Bioinformatics, 2015, 16, P13.	1.2	0
25	Introduction to the Toxins Special Issue on Ergot Alkaloids. Toxins, 2015, 7, 4232-4237.	1.5	15
26	Systematics and Morphology. Agronomy, 2015, , 11-30.	0.2	7
27	Genetics, Genomics and Evolution of Ergot Alkaloid Diversity. Toxins, 2015, 7, 1273-1302.	1.5	83
28	Disparate Independent Genetic Events Disrupt the Secondary Metabolism Gene perA in Certain Symbiotic EpichloÃ« Species. Applied and Environmental Microbiology, 2015, 81, 2797-2807.	1.4	27
29	Two distinctEpichloÃ«species symbiotic withAchnatherum inebrians, drunken horse grass. Mycologia, 2015, 107, 863-873.	0.8	62
30	Detection and Isolation of EpichloÃ« Species, Fungal Endophytes of Grasses. Current Protocols in Microbiology, 2015, 38, 19A.1.1-19A.1.24.	6.5	19
31	Margaret I. King. Journal of the Kentucky Academy of Science, 2015, 76, 3-5.	0.7	0
32	Nomenclatural realignment ofNeotyphodiumspecies with genusEpichloÃ«. Mycologia, 2014, 106, 202-215.	0.8	340
33	Genomes of Plant-Associated Clavicipitaceae. Advances in Botanical Research, 2014, 70, 291-327.	0.5	28
34	Ether bridge formation in loline alkaloid biosynthesis. Phytochemistry, 2014, 98, 60-68.	1.4	40
35	Species diversity ofEpichloÃ«symbiotic with two grasses from southern Argentinean Patagonia. Mycologia, 2014, 106, 339-352.	0.8	24
36	<scp>kdetrees</scp>: non-parametric estimation of phylogenetic tree distributions. Bioinformatics, 2014, 30, 2280-2287.	1.8	44

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37	Automating deployment of several GBrowse instances. BMC Bioinformatics, 2014, 15, P2.	1.2	0
38	Enzymes from Fungal and Plant Origin Required for Chemical Diversification of Insecticidal Loline Alkaloids in Grass-EpichloÃ« Symbiota. PLoS ONE, 2014, 9, e115590.	1.1	24
39	Nomenclatural realignment of Neotyphodium species with genus Epichloe. Mycologia, 2014, 106, 202-215.	0.8	42
40	Using HPC for teaching and learning bioinformatics software: Benefits and challenges. BMC Bioinformatics, 2013, 14, .	1.2	0
41	FPD2GB2: Automating a transition from a customized genome browser to GBrowse2. BMC Bioinformatics, 2013, 14, .	1.2	1
42	Tall fescue endophyte effects on tolerance to water-deficit stress. BMC Plant Biology, 2013, 13, 127.	1.6	128
43	Geographic distribution patterns of vertically transmitted endophytes in two native grasses in Argentina. Symbiosis, 2013, 59, 99-110.	1.2	8
44	The epichloae: alkaloid diversity and roles in symbiosis with grasses. Current Opinion in Plant Biology, 2013, 16, 480-488.	3.5	132
45	Currencies of Mutualisms: Sources of Alkaloid Genes in Vertically Transmitted Epichloae. Toxins, 2013, 5, 1064-1088.	1.5	109
46	Plant-Symbiotic Fungi as Chemical Engineers: Multi-Genome Analysis of the Clavicipitaceae Reveals Dynamics of Alkaloid Loci. PLoS Genetics, 2013, 9, e1003323.	1.5	344
47	Analysis and Modification of Ergot Alkaloid Profiles in Fungi. Methods in Enzymology, 2012, 515, 267-290.	0.4	42
48	A linear-time algorithm for finding a maximum-length ORF in a splice graph. International Journal of Computational Biology and Drug Design, 2012, 5, 284.	0.3	0
49	Lifestyle transitions in plant pathogenic Colletotrichum fungi deciphered by genome and transcriptome analyses. Nature Genetics, 2012, 44, 1060-1065.	9.4	840
50	Beneficial effects of Neotyphodium tembladerae and Neotyphodium pampeanum on a wild forage grass. Grass and Forage Science, 2012, 67, 382-390.	1.2	24
51	Chemotypic diversity of epichloae, fungal symbionts of grasses. Fungal Ecology, 2012, 5, 331-344.	0.7	144
52	Endophytes of native grasses from South America: Biodiversity and ecology. Fungal Ecology, 2012, 5, 357-363.	0.7	42
53	The Cre/Lox System: A Practical Tool to Efficiently Eliminate Selectable Markers in Fungal Endophytes. Methods in Molecular Biology, 2012, 824, 371-379.	0.4	2
54	Periglandula, a new fungal genus within the Clavicipitaceae and its association with Convolvulaceae. Mycologia, 2011, 103, 1133-1145.	0.8	59

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55	Abundant Degenerate Miniature Inverted-Repeat Transposable Elements in Genomes of Epichloid Fungal Endophytes of Grasses. Genome Biology and Evolution, 2011, 3, 1253-1264.	1.1	35
56	Statistical phylogenetic tree analysis using differences of means. Frontiers in Neuroscience, 2010, 4, .	1.4	4
57	Are loline alkaloid levels regulated in grass endophytes by gene expression or substrate availability?. Plant Signaling and Behavior, 2010, 5, 1419-1422.	1.2	14
58	Disruption of Signaling in a Fungal-Grass Symbiosis Leads to Pathogenesis Â Â. Plant Physiology, 2010, 153, 1780-1794.	2.3	121
59	The Epichloae, Symbionts of the Grass Subfamily PoÃ¶ideae¹. Annals of the Missouri Botanical Garden, 2010, 97, 646-665.	1.3	101
60	Regulation of a Chemical Defense against Herbivory Produced by Symbiotic Fungi in Grass Plants Â Â Â. Plant Physiology, 2009, 150, 1072-1082.	2.3	66
61	Indole-Diterpene Biosynthetic Capability ofEpichloeÌ‚Endophytes as Predicted byltmGene Analysis. Applied and Environmental Microbiology, 2009, 75, 2200-2211.	1.4	92
62	Evolution of a subtilisin-like protease gene family in the grass endophytic fungus EpichloÃ« festucae. BMC Evolutionary Biology, 2009, 9, 168.	3.2	34
63	EpichloÃ« Endophytes: Clavicipitaceous Symbionts of Grasses. , 2009, , 276-306.		16
64	Coregulated expression of loline alkaloid-biosynthesis genes in Neotyphodium uncinatum cultures. Fungal Genetics and Biology, 2009, 46, 517-530.	0.9	16
65	Elimination of marker genes from transformed filamentous fungi by unselected transient transfection with a Cre-expressing plasmid. Fungal Genetics and Biology, 2009, 46, 721-730.	0.9	40
66	Phylogenetic divergence, morphological and physiological differences distinguish a newNeotyphodiumendophyte species in the grassBromus auleticusfrom South America. Mycologia, 2009, 101, 340-351.	0.8	44
67	Phylogenetic Analyses Reveal Monophyletic Origin of the Ergot Alkaloid Gene dmaW in Fungi. Evolutionary Bioinformatics, 2009, 5, EBO.S2633.	0.6	18
68	Fungal Endophytes in Lolium and Festuca Species. , 2009, , 285-298.		5
69	Contribution of ergot alkaloids to suppression of a grassâ€feeding caterpillar assessed with gene knockout endophytes in perennial ryegrass. Entomologia Experimentalis Et Applicata, 2008, 126, 138-147.	0.7	67
70	Role of the LolP cytochrome P450 monooxygenase in loline alkaloid biosynthesis. Fungal Genetics and Biology, 2008, 45, 1307-1314.	0.9	29
71	A Novel Test for Host-Symbiont Codivergence Indicates Ancient Origin of Fungal Endophytes in Grasses. Systematic Biology, 2008, 57, 483-498.	2.7	113
72	New Neotyphodium endophyte species from the grass tribes Stipeae and Meliceae. Mycologia, 2007, 99, 895-905.	0.8	43

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73	Comparison of Ergot Alkaloid Biosynthesis Gene Clusters in Claviceps Species Indicates Loss of Late Pathway Steps in Evolution of C. fusiformis. Applied and Environmental Microbiology, 2007, 73, 7185-7191.	1.4	54
74	New Neotyphodium endophyte species from the grass tribes Stipeae and Meliceae. Mycologia, 2007, 99, 895-905.	0.8	47
75	Comparison of loline alkaloid gene clusters across fungal endophytes: Predicting the co-regulatory sequence motifs and the evolutionary history. Fungal Genetics and Biology, 2007, 44, 1002-1010.	0.9	31
76	Fungal endophytes of grasses: hybrids rescued by vertical transmission? An evolutionary perspective. New Phytologist, 2007, 173, 452-458.	3.5	79
77	Symbiontâ€mediated changes in Lolium arundinaceum inducible defenses: evidence from changes in gene expression and leaf composition. New Phytologist, 2007, 176, 673-679.	3.5	61
78	Loline alkaloids: Currencies of mutualism. Phytochemistry, 2007, 68, 980-996.	1.4	258
79	Chapter 2 Ergot Alkaloids â€“ Biology and Molecular Biology. The Alkaloids Chemistry and Biology, 2006, 63, 45-86.	0.8	184
80	Effects of Ergot Alkaloids on Food Preference and Satiety in Rabbits, As Assessed with Gene-Knockout Endophytes in Perennial Ryegrass (Lolium perenne). Journal of Agricultural and Food Chemistry, 2006, 54, 4582-4587.	2.4	76
81	Pathways to Diverse Ergot Alkaloid Profiles in Fungi. Recent Advances in Phytochemistry, 2006, , 23-52.	0.5	3
82	A Global View of Metabolites. Chemistry and Biology, 2006, 13, 5-6.	6.2	10
83	On the Sequence of Bond Formation in Loline Alkaloid Biosynthesis. ChemBioChem, 2006, 7, 1078-1088.	1.3	38
84	Biosynthetic Precursors of Fungal Pyrrolizidines, the Loline Alkaloids. ChemBioChem, 2006, 7, 404-404.	1.3	1
85	Ergot alkaloids are not essential for endophytic fungus-associated population suppression of the lesion nematode, Pratylenchus scribneri, on perennial ryegrass. Nematology, 2006, 8, 583-590.	0.2	37
86	Origin, divergence, and phylogeny of epichloÃ« endophytes of native Argentine grasses. Molecular Phylogenetics and Evolution, 2005, 35, 196-208.	1.2	75
87	Biosynthetic Precursors of Fungal Pyrrolizidines, the Loline Alkaloids. ChemBioChem, 2005, 6, 1016-1022.	1.3	34
88	The ergot alkaloid gene cluster in Claviceps purpurea: Extension of the cluster sequence and intra species evolution. Phytochemistry, 2005, 66, 1312-1320.	1.4	122
89	Economic Analysis of Replacing Endophyte-Infected with Endophyte-Free Tall Fescue Pastures. Agronomy Journal, 2005, 97, 711-716.	0.9	13
90	Using mating-type gene sequences for improved phylogenetic resolution of Collectotrichum species complexes. Mycologia, 2005, 97, 641-658.	0.8	108

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91	Structural analysis of a peptide synthetase gene required for ergopeptine production in the endophytic fungusNeotyphodium lolii. DNA Sequence, 2005, 16, 379-385.	0.7	14
92	Gene Clusters for Insecticidal Loline Alkaloids in the Grass-Endophytic Fungus Neotyphodium uncinatum. Genetics, 2005, 169, 1403-1414.	1.2	122
93	The EpichloÃ« Endophytes of Grasses and the Symbiotic Continuum. Mycology, 2005, , 475-503.	0.5	13
94	Prevalence of interspecific hybrids amongst asexual fungal endophytes of grasses. Molecular Ecology, 2004, 13, 1455-1467.	2.0	208
95	SYMBIOSES OF GRASSES WITH SEEDBORNE FUNGAL ENDOPHYTES. Annual Review of Plant Biology, 2004, 55, 315-340.	8.6	759
96	The determinant step in ergot alkaloid biosynthesis by an endophyte of perennial ryegrass. Fungal Genetics and Biology, 2004, 41, 189-198.	0.9	105
97	Expression of the tobacco Î²-1,3-glucanase gene, PR-2d, following induction of SAR with Peronospora tabacina. Physiological and Molecular Plant Pathology, 2004, 65, 285-296.	1.3	31
98	Interspecific hybridization in plantâ€associated fungi and oomycetes: a review. Molecular Ecology, 2003, 12, 2861-2873.	2.0	227
99	Identification of differentially expressed genes in the mutualistic association of tall fescue with Neotyphodium coenophialum. Physiological and Molecular Plant Pathology, 2003, 63, 305-317.	1.3	69
100	Molecular Genetics of Ergot Alkaloid Biosynthesis. , 2003, , .		6
101	Processes of Species Evolution in EpichloeÂ¨ /Neotyphodium Endophytes of Grasses. , 2003, , .		6
102	Evolutionary Origins and Ecological Consequences of Endophyte Symbiosis with Grasses. American Naturalist, 2002, 160, S99-S127.	1.0	842
103	The Evolutionary Origins of Three New Neotyphodium Endophyte Species from Grasses Indigenous to the Southern Hemisphere. Mycologia, 2002, 94, 694.	0.8	67
104	The evolutionary origins of three newNeotyphodiumendophyte species from grasses indigenous to the Southern Hemisphere. Mycologia, 2002, 94, 694-711.	0.8	105
105	Expressed sequence tags and genes associated with loline alkaloid expression by the fungal endophyte Neotyphodium uncinatum. Fungal Genetics and Biology, 2002, 36, 242-254.	0.9	47
106	EpichloÃ« festucae and Related Mutualistic Symbionts of Grasses. Fungal Genetics and Biology, 2001, 33, 69-82.	0.9	172
107	Production of loline alkaloids by the grass endophyte, Neotyphodium uncinatum, in defined media. Phytochemistry, 2001, 58, 395-401.	1.4	124
108	Elimination of ergovaline from a grass-Neotyphodium endophyte symbiosis by genetic modification of the endophyte. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 12820-12825.	3.3	164

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109	The evolutionary origins of EpichloÃ« endophytes from annual ryegrasses. Mycologia, 2000, 92, 1103-1118.	0.8	127
110	The Evolutionary Origins of Epichloe Endophytes from Annual Ryegrasses. Mycologia, 2000, 92, 1103.	0.8	139
111	Contribution of Fungal Loline Alkaloids to Protection from Aphids in a Grass-Endophyte Mutualism. Molecular Plant-Microbe Interactions, 2000, 13, 1027-1033.	1.4	228
112	Three new species ofEpichloÃ«symbiotic with North American grasses. Mycologia, 1999, 91, 95-107.	0.8	57
113	Genome sizes of EpichloÃ« species and anamorphic hybrids. Mycologia, 1999, 91, 776-782.	0.8	64
114	Genome Sizes of Epichloe Species and Anamorphic Hybrids. Mycologia, 1999, 91, 776.	0.8	71
115	Three New Species of Epichloe Symbiotic with North American Grasses. Mycologia, 1999, 91, 95.	0.8	50
116	Mating compatibility and phylogenetic relationships among two new species of EpichloÃ« and other congeneric European species. Mycological Research, 1998, 102, 1169-1182.	2.5	92
117	Endophytic Fungi in Indigenous Australasian Grasses Associated with Toxicity to Livestock. Applied and Environmental Microbiology, 1998, 64, 601-606.	1.4	71
118	Molecular Systematics of Clavicipitaceae Supporting Monophyly of Genus Epichloe and Form Genus Ephelis. Mycologia, 1997, 89, 431.	0.8	45
119	Vegetative Compatibility between and within Epichloe Species. Mycologia, 1997, 89, 558.	0.8	31
120	Coevolution by Common Descent of Fungal Symbionts (Epichloe spp.) and Grass Hosts. Molecular Biology and Evolution, 1997, 14, 133-143.	3.5	166
121	Protective Grass Endophytes: Where are they from and where are they going?. Plant Disease, 1997, 81, 430-438.	0.7	160
122	Genetics of Host Specificity in EpichloÃ« typhina. Phytopathology, 1997, 87, 599-605.	1.1	45
123	Bioprotective Alkaloids of Grass-Fungal Endophyte Symbioses. Plant Physiology, 1997, 114, 1-7.	2.3	439
124	Molecular systematics of Clavicipitaceae supporting monophyly of genusEpichloÃ«and form genusEphelis. Mycologia, 1997, 89, 431-441.	0.8	50
125	Vegetative compatibility between and withinEpichloÃ«species. Mycologia, 1997, 89, 558-565.	0.8	40
126	Sexual cycle and horizontal transmission of the grass symbiont, EpichloÃ« typhina. Mycological Research, 1997, 101, 295-301.	2.5	138

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127	Fungal and host genotype effects on compatibility and vascular colonization by EpichloÃ« festucae. Mycological Research, 1997, 101, 493-501.	2.5	77
128	Interactions of Grasses with Endophytic EpichloÃ« Species and Hybrids. , 1997, , 107-140.		2
129	EPICHLOÃ‹ SPECIES: Fungal Symbionts of Grasses. Annual Review of Phytopathology, 1996, 34, 109-130.	3.5	165
130	Inheritance of Mitochondrial DNA and Plasmids in the Ascomycetous Fungus, EpichloÃ« typhina. Genetics, 1996, 142, 259-265.	1.2	29
131	Incidence and compatibility of nonclavicipitaceous fungal endophytes inFestucaandLoliumgrass species. Mycologia, 1995, 87, 196-202.	0.8	20
132	Incidence and Compatibility of Nonclavicipitaceous Fungal Endophytes in Festuca and Lolium Grass Species. Mycologia, 1995, 87, 196.	0.8	14
133	The Claviceps purpurea Gene Encoding Dimethylallyltryptophan Synthase, the Committed Step for Ergot Alkaloid Biosynthesis. Biochemical and Biophysical Research Communications, 1995, 216, 119-125.	1.0	159
134	TheFusarium solaniGene Encoding Kievitone Hydratase, a Secreted Enzyme that Catalyzes Detoxification of a Bean Phytoalexin. Molecular Plant-Microbe Interactions, 1995, 8, 388.	1.4	42
135	Sexual compatibility and taxonomy of a new species of EpichloÃ« symbiotic with fine fescue grasses. Mycologia, 1994, 86, 802-812.	0.8	121
136	Sexual Compatibility and Taxonomy of a New Species of Epichloe Symbiotic with Fine Fescue Grasses. Mycologia, 1994, 86, 802.	0.8	138
137	A conserved sequence in internal transcribed spacer 1 of plant nuclear rRNA genes. Plant Molecular Biology, 1994, 26, 775-778.	2.0	171
138	Evolutionary diversification of fungal endophytes of tall fescue grass by hybridization with Epichloe species.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 2542-2546.	3.3	267
139	Use of Specific Repetitive Sequences inPeronospora tabacinafor the Early Detection of the Tobacco Blue Mold Pathogen. Phytopathology, 1994, 84, 425.	1.1	28
140	Molecular biology and evolution of the grass endophytes. Natural Toxins, 1993, 1, 171-184.	1.0	29
141	Fungal symbionts of grasses: evolutionary insights and agricultural potential. Trends in Microbiology, 1993, 1, 196-200.	3.5	30
142	Molecular genetics of EpichloÃ« typhina and Acremonium coenophialum. Agriculture, Ecosystems and Environment, 1993, 44, 169-185.	2.5	10
143	Molecular Biology and Genetics of Protective Fungal Endophytes of Grasses. , 1993, 15, 191-212.		14
144	Transformation of Acremonium coenophialum, a protective fungal symbiont of the grass Festuca arundinacea. Current Genetics, 1992, 22, 399-406.	0.8	48

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145	Diversity and origins of endophytic fungal symbionts of the North American grass Festuca arizonica. Theoretical and Applied Genetics, 1992, 85-85, 366-371.	1.8	41
146	An extracellular enzyme fromFusarium solanif. sp.phaseoliwhich catalyses hydration of the isoflavonoid phytoalexin, phaseollidin. FEMS Microbiology Letters, 1992, 94, 187-190.	0.7	26
147	An extracellular enzyme from Fusarium solani f. sp. phaseoli which catalyses hydration of the isoflavonoid phytoalexin, phaseollidin. FEMS Microbiology Letters, 1992, 73, 187-90.	0.7	11
148	Molecular phylogenetic relationships of nonpathogenic grass mycosymbionts and clavicipitaceous plant pathogens. Plant Systematics and Evolution, 1991, 178, 27-41.	0.3	147
149	Linear DNA plasmids of the perennial ryegrass choke pathogen, Epichloï¿½ typhina (Clavicipitaceae). Current Genetics, 1991, 20, 519-526.	0.8	28
150	Fungal Endophytes of Grasses: Detrimental and Beneficial Associations. Brock/Springer Series in Contemporary Bioscience, 1991, , 198-221.	0.3	26
151	The ?-tubulin gene of Epichloï¿½ typhina from perennial ryegrass (Lolium perenne). Current Genetics, 1990, 18, 347-354.	0.8	124
152	Induction and purification of kievitone hydratase from Fusarium solani f. sp. phaseoli. Phytochemistry, 1990, 29, 2841-2846.	1.4	25
153	sti35, a stress-responsive gene in Fusarium spp. Journal of Bacteriology, 1990, 172, 4522-4528.	1.0	52
154	Molecular transformation of Fusarium solani with an antibiotic resistance marker having no fungal DNA homology. Current Genetics, 1989, 15, 421-428.	0.8	36
155	Transformation of Filamentous Fungi with Plasmid DNA by Electroporation. Phytopathology, 1989, 79, 844.	1.1	42
156	Induced Systemic Resistance to Blue Mold: Early Induction and Accumulation ofÎ²-1,3-Glucanases, Chitinases, and Other Pathogenesis-Related Proteins (b-Proteins) in Immunized Tobacco. Phytopathology, 1989, 79, 979.	1.1	81
157	Design and construction of a versatile system for the expression of foreign genes in plants. Gene, 1987, 61, 1-11.	1.0	310
158	Chloroplast genome organisation in sugar beet and maize. Plant Molecular Biology, 1986, 6, 171-177.	2.0	17
159	Mitochondrial DNA rearrangements associated with fertile revertants of S-type male-sterile maize. Cell, 1985, 43, 361-368.	13.5	126
160	Linearization of maize mitochondrial chromosomes by recombination with linear episomes. Nature, 1984, 310, 292-296.	13.7	169
161	A functional map of the nopaline catabolism genes on the Ti plasmid of Agrobacterium tumefaciens C58. Molecular Genetics and Genomics, 1983, 191, 10-16.	2.4	28
162	Agrobacterium Ti plasmid indoleacetic acid gene is required for crown gall oncogenesis. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 2812-2816.	3.3	73