David B Collinge

List of Publications by Year
in descending order

80 papers	8,705 citations	53660 45 h-index	71532 76 g-index
92 all docs	92 docs citations	92 times ranked	8789 citing authors

#	Article	IF	Citations
1	Transgenic approaches for plant disease control: Status and prospects 2021. Plant Pathology, 2022, 71, 207-225.	1.2	30
2	The Fungal Endophyte Penicillium olsonii ML37 Reduces Fusarium Head Blight by Local Induced Resistance in Wheat Spikes. Journal of Fungi (Basel, Switzerland), 2022, 8, 345.	1.5	8
3	Biological control of plant diseases â€“ What has been achieved and what is the direction?. Plant Pathology, 2022, 71, 1024-1047.	1.2	78
4	Succession of the fungal endophytic microbiome of wheat is dependent on tissue-specific interactions between host genotype and environment. Science of the Total Environment, 2021, 759, 143804.	3.9	64
5	A novel transcription factor UvCGBP1 regulates development and virulence of rice false smut fungus <i>Ustilaginoidea virens</i>. Virulence, 2021, 12, 1563-1579.	1.8	13
6	A Sesquiterpene Synthase from the Endophytic Fungus Serendipita indica Catalyzes Formation of Viridiflorol. Biomolecules, 2021, 11, 898.	1.8	12
7	Fusarium Head Blight Modifies Fungal Endophytic Communities During Infection of Wheat Spikes. Microbial Ecology, 2020, 79, 397-408.	1.4	56
8	Identification of two endophytic fungi that control Septoria tritici blotch in the field, using a structured screening approach. Biological Control, 2020, 141, 104128.	1.4	25
9	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
10	Selection of fungal endophytes with biocontrol potential against Fusarium head blight in wheat. Biological Control, 2020, 144, 104222.	1.4	82
11	Defining the twig fungal communities of Fraxinus species and Fraxinus excelsior genotypes with differences in susceptibility to ash dieback. Fungal Ecology, 2019, 42, 100859.	0.7	8
12	Searching for Novel Fungal Biological Control Agents for Plant Disease Control Among Endophytes. , 2019, , 25-51.		29
13	Transgenic crops and beyond: how can biotechnology contribute to the sustainable control of plant diseases?. European Journal of Plant Pathology, 2018, 152, 977-986.	0.8	10
14	A ceratoâ€platanin protein SsCP1 targets plant PR1 and contributes to virulence of <i>Sclerotinia sclerotiorum</i>. New Phytologist, 2018, 217, 739-755.	3.5	211
15	Fungal communities associated with species of Fraxinus tolerant to ash dieback, and their potential for biological control. Fungal Biology, 2018, 122, 110-120.	1.1	54
16	Endophytic fungi as biocontrol agents: elucidating mechanisms in disease suppression. Plant Ecology and Diversity, 2018, 11, 555-567.	1.0	159
17	Fusarium diseases: biology and management perspectives. Burleigh Dodds Series in Agricultural Science, 2018, , 23-45.	0.1	3
18	Azadirachta indica Reduces Black Sigatoka in East African Highland Banana by Direct Antimicrobial Effects against Mycosphaerella fijiensis without Inducing Resistance. Journal of Agricultural Science, 2017, 9, 61.	0.1	3

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19	Large-Scale Phenomics Identifies Primary and Fine-Tuning Roles for CRKs in Responses Related to Oxidative Stress. PLoS Genetics, 2015, 11, e1005373.	1.5	167
20	Insights on the Evolution of Mycoparasitism from the Genome of Clonostachys rosea. Genome Biology and Evolution, 2015, 7, 465-480.	1.1	150
21	Activity-guided separation of Chromolaena odorata leaf extract reveals fractions with rice disease-reducing properties. European Journal of Plant Pathology, 2015, 143, 331-341.	0.8	3
22	Transcriptomic profiling to identify genes involved in Fusarium mycotoxin Deoxynivalenol and Zearalenone tolerance in the mycoparasitic fungus Clonostachys rosea. BMC Genomics, 2014, 15, 55.	1.2	61
23	Zearalenone detoxification by zearalenone hydrolase is important for the antagonistic ability of Clonostachys rosea against mycotoxigenic Fusarium graminearum. Fungal Biology, 2014, 118, 364-373.	1.1	99
24	The barley HvNAC6 transcription factor affects ABA accumulation and promotes basal resistance against powdery mildew. Plant Molecular Biology, 2013, 83, 577-590.	2.0	54
25	Proteomic changes and endophytic micromycota during storage of organically and conventionally grown carrots. Postharvest Biology and Technology, 2013, 76, 26-33.	2.9	17
26	Fusarium graminearum and Its Interactions with Cereal Heads: Studies in the Proteomics Era. Frontiers in Plant Science, 2013, 4, 37.	1.7	84
27	The influence of the fungal pathogen Mycocentrospora acerina on the proteome and polyacetylenes and 6-methoxymellein in organic and conventionally cultivated carrots (Daucus carota) during post harvest storage. Journal of Proteomics, 2012, 75, 962-977.	1.2	18
28	Regulation of basal resistance by a powdery mildewâ€induced cysteineâ€rich receptorâ€like protein kinase in barley. Molecular Plant Pathology, 2012, 13, 135-147.	2.0	62
29	Secretomics identifies <i>Fusarium graminearum</i> proteins involved in the interaction with barley and wheat. Molecular Plant Pathology, 2012, 13, 445-453.	2.0	83
30	Interaction of barley powdery mildew effector candidate <scp>CSEP0055</scp> with the defence protein <scp>PR17c</scp>. Molecular Plant Pathology, 2012, 13, 1110-1119.	2.0	115
31	Disease-Reducing Effect of Chromolaena odorata Extract on Sheath Blight and Other Rice Diseases. Phytopathology, 2011, 101, 231-240.	1.1	20
32	Engineering Pathogen Resistance in Crop Plants: Current Trends and Future Prospects. Annual Review of Phytopathology, 2010, 48, 269-291.	3.5	164
33	Investigation of the effect of nitrogen on severity of Fusarium Head Blight in barley. Journal of Proteomics, 2010, 73, 743-752.	1.2	49
34	Analysis of early events in the interaction between <i>Fusarium graminearum</i> and the susceptible barley (<i>Hordeum vulgare</i>) cultivar Scarlett. Proteomics, 2010, 10, 3748-3755.	1.3	55
35	Cell wall appositions: the first line of defence. Journal of Experimental Botany, 2009, 60, 351-352.	2.4	52
36	A cultivation independent, PCR-based protocol for the direct identification of plant pathogens in infected plant material. European Journal of Plant Pathology, 2009, 123, 473-476.	0.8	12

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37	Identification and characterization of barley RNA-directed RNA polymerases. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 375-385.	0.9	13
38	Effects of Â-1,3-glucan from Septoria tritici on structural defence responses in wheat. Journal of Experimental Botany, 2009, 60, 4287-4300.	2.4	124
39	What are the prospects for genetically engineered, disease resistant plants?. European Journal of Plant Pathology, 2008, 121, 217-231.	0.8	77
40	How can we exploit functional genomics approaches for understanding the nature of plant defences? Barley as a case study. European Journal of Plant Pathology, 2008, 121, 257-266.	0.8	8
41	Roles of reactive oxygen species in interactions between plants and pathogens. European Journal of Plant Pathology, 2008, 121, 267-280.	0.8	262
42	Transcriptional regulation by an NAC (NAMâ€“ATAF1,2â€“CUC2) transcription factor attenuates ABA signalling for efficient basal defence towards <i>Blumeria graminis</i> f. sp. <i>hordei</i> in Arabidopsis. Plant Journal, 2008, 56, 867-880.	2.8	210
43	Roles of reactive oxygen species in interactions between plants and pathogens. , 2008, , 267-280.		15
44	How can we exploit functional genomics approaches for understanding the nature of plant defences? Barley as a case study. , 2008, , 257-266.		1
45	Role of hydrogen peroxide during the interaction between the hemibiotrophic fungal pathogen Septoria tritici and wheat. New Phytologist, 2007, 174, 637-647.	3.5	220
46	The HvNAC6 transcription factor: a positive regulator of penetration resistance in barley and Arabidopsis. Plant Molecular Biology, 2007, 65, 137-150.	2.0	136
47	What are the prospects for genetically engineered, disease resistant plants?. , 2007, , 217-231.		0
48	Defense-related genes expressed in Norway spruce roots after infection with the root rot pathogen Ceratobasidium bicorne (anamorph: Rhizoctonia sp.). Tree Physiology, 2005, 25, 1533-1543.	1.4	28
49	The molecular characterization of two barley proteins establishes the novel PR-17 family of pathogenesis-related proteins. Molecular Plant Pathology, 2002, 3, 135-144.	2.0	163
50	Do 14-3-3 proteins and plasma membrane H+-AtPases interact in the barley epidermis in response to the barley powdery mildew fungus?. Plant Molecular Biology, 2002, 49, 137-147.	2.0	50
51	Post-translational modification of barley 14-3-3A is isoform-specific and involves removal of the hypervariable C-terminus. Plant Molecular Biology, 2002, 50, 535-542.	2.0	19
52	14-3-3 proteins and the response to abiotic and biotic stress. Plant Molecular Biology, 2002, 50, 1031-1039.	2.0	175
53	The Responses of Plants to Pathogens. , 2001, , 131-158.		1
54	Proton extrusion is an essential signalling component in the HR of epidermal single cells in the barley-powdery mildew interaction. Plant Journal, 2000, 23, 245-254.	2.8	46

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55	The Barley/Blumeria (Syn. Erysiphe) Graminis Interaction. , 2000, , 77-100.		25
56	14-3-3 proteins: eukaryotic regulatory proteins with many functions. Plant Molecular Biology, 1999, 40, 545-554.	2.0	122
57	An epidermis/papilla-specific oxalate oxidase-like protein in the defence response of barley attacked by the powdery mildew fungus. Plant Molecular Biology, 1998, 36, 101-112.	2.0	134
58	A flavonoid 7-O-methyltransferase is expressed in barley leaves in response to pathogen attack. Plant Molecular Biology, 1998, 36, 219-227.	2.0	70
59	A chalcone synthase with an unusual substrate preference is expressed in barley leaves in response to UV light and pathogen attack. Plant Molecular Biology, 1998, 37, 849-857.	2.0	105
60	Molecular Characterization of the Oxalate Oxidase Involved in the Response of Barley to the Powdery Mildew Fungus1. Plant Physiology, 1998, 117, 33-41.	2.3	139
61	Expression of a defence-related intercellular barley peroxidase in transgenic tobacco. Plant Science, 1997, 122, 173-182.	1.7	38
62	Subcellular localization of H2O2 in plants. H2O2 accumulation in papillae and hypersensitive response during the barley-powdery mildew interaction. Plant Journal, 1997, 11, 1187-1194.	2.8	2,406
63	Ethanol increases sensitivity of oxalate oxidase assays and facilitates direct activity staining in SDS gels. Plant Molecular Biology Reporter, 1996, 14, 266-272.	1.0	35
64	Germin-like oxalate oxidase, a H2O2-producing enzyme, accumulates in barley attacked by the powdery mildew fungus. Plant Journal, 1995, 8, 139-145.	2.8	192
65	A simple model based on known plant defence reactions is sufficient to explain most aspects of nodulation. Journal of Experimental Botany, 1995, 46, 1-18.	2.4	42
66	Nar-1 and Nar-2, Two Loci Required for Mla 12 -Specified Race-Specific Resistance to Powdery Mildew in Barley. Plant Cell, 1994, 6, 983.	3.1	65
67	A putative O-methyltransferase from barley is induced by fungal pathogens and UV light. Plant Molecular Biology, 1994, 26, 1797-1806.	2.0	39
68	Plant chitinases. Plant Journal, 1993, 3, 31-40.	2.8	737
69	A pathogen-induced gene of barley encodes a HSP90 homologue showing striking similarity to vertebrate forms resident in the endoplasmic reticulum. Plant Molecular Biology, 1993, 21, 1097-1108.	2.0	77
70	Accumulation of defence-related transcripts and cloning of a chitinase mRNA from pea leaves (Pisum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	23
71	cDNA Cloning and Characterization of mRNAs Induced in Barley by the Fungal Pathogen, Erysiphe Graminis. Developments in Plant Pathology, 1993, , 304-307.	0.1	9
72	cDNA cloning and characterization of two barley peroxidase transcripts induced differentially by the powdery mildew fungus Erysiphe graminis. Physiological and Molecular Plant Pathology, 1992, 40, 395-409.	1.3	98

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73	Cloning and characterization of a pathogen-induced chitinase in Brassica napus. Plant Molecular Biology, 1992, 20, 277-287.	2.0	75
74	A pathogenâ€induced gene of barley encodes a protein showing high similarity to a protein kinase regulator. Plant Journal, 1992, 2, 815-820.	2.8	53
75	Early induction of new mRNAs accompanies the resistance reaction of barley to the wheat pathogen, Erysiphe graminis f.sp. tritici. Physiological and Molecular Plant Pathology, 1990, 36, 471-481.	1.3	20
76	Plant gene expression in response to pathogens. Plant Molecular Biology, 1987, 9, 389-410.	2.0	215
77	Gene expression in Brassica campestris showing a hypersensitive response to the incompatible pathogen Xanthomonas campestris pv. vitians. Plant Molecular Biology, 1987, 8, 405-414.	2.0	50
78	The inheritance of cyanoglucoside content in Trifolium repens L.. Biochemical Genetics, 1984, 22, 139-151.	0.8	16
79	Evidence that linamarin and lotaustralin, the two cyanogenic glucosides of Trifolium repens L., are synthesized by a single set of microsomal enzymes controlled by the Ac/ac locus. Plant Science Letters, 1984, 34, 119-125.	1.9	22
80	In vitro characterization of the Ac locus in white clover (Trifolium repens L.). Archives of Biochemistry and Biophysics, 1982, 218, 38-45.	1.4	29