Paul S Dyer

List of Publications by Year
in descending order

81 papers	9,852 citations	94269 37 h-index	66788 78 g-index
87 all docs	87 docs citations	87 times ranked	8320 citing authors

#	Article	IF	Citations
1	Citizen Science Surveillance of Triazole-Resistant <i>Aspergillus fumigatus</i> in United Kingdom Residential Garden Soils. Applied and Environmental Microbiology, 2022, 88, AEM0206121.	1.4	10
2	Production of Itaconic Acid by <i>Aspergillus terreus</i> from Sorghum Bran Hydrolysates and Optimization for Fermentative Production. Industrial Biotechnology, 2022, 18, 38-47.	0.5	1
3	Use of Bulk Segregant Analysis for Determining the Genetic Basis of Azole Resistance in the Opportunistic Pathogen Aspergillus fumigatus. Frontiers in Cellular and Infection Microbiology, 2022, 12, 841138.	1.8	6
4	Population genomics confirms acquisition of drug-resistant Aspergillus fumigatus infection by humans from the environment. Nature Microbiology, 2022, 7, 663-674.	5.9	82
5	Novel Multiplex and Loop-Mediated Isothermal Amplification Assays for Rapid Species and Mating-Type Identification of Oculimacula acuformis and O. yallundae (Causal Agents of Cereal Eyespot), and Application for Detection of Ascospore Dispersal and In Planta Use. Phytopathology, 2021, 111, 582-592.	1.1	2
6	Novel Biological Functions of the NsdC Transcription Factor in Aspergillus fumigatus. MBio, 2021, 12, .	1.8	10
7	Comparison of the behavior of fungal and plant cell wall during gastrointestinal digestion and resulting health effects: A review. Trends in Food Science and Technology, 2021, 110, 132-141.	7.8	18
8	The one health problem of azole resistance in Aspergillus fumigatus: current insights and future research agenda. Fungal Biology Reviews, 2020, 34, 202-214.	1.9	68
9	Global Sexual Fertility in the Opportunistic Pathogen Aspergillus fumigatus and Identification of New Supermater Strains. Journal of Fungi (Basel, Switzerland), 2020, 6, 258.	1.5	6
10	Identification of SclB, a Zn(II)2Cys6 transcription factor involved in sclerotium formation in Aspergillus niger. Fungal Genetics and Biology, 2020, 139, 103377.	0.9	10
11	The Biotechnology of Quorn Mycoprotein: Past, Present and Future Challenges. Grand Challenges in Biology and Biotechnology, 2020, , 59-79.	2.4	38
12	Culturing and Mating of Aspergillus fumigatus. Current Protocols in Microbiology, 2019, 54, e87.	6.5	7
13	The development of a biorefining strategy for the production of biofuel from sorghum milling waste. Biochemical Engineering Journal, 2019, 150, 107288.	1.8	11
14	Self/Non-self Recognition: Microbes Playing Hard to Get. Current Biology, 2019, 29, R866-R868.	1.8	3
15	Whole-Genome Sequence Data Uncover Widespread Heterothallism in the Largest Group of Lichen-Forming Fungi. Genome Biology and Evolution, 2019, 11, 721-730.	1.1	15
16	First application of loopâ€mediated isothermal amplification (LAMP) assays for rapid identification of mating type in the heterothallic fungus <i>Aspergillus fumigatus</i>. Mycoses, 2019, 62, 812-817.	1.8	11
17	Amblypygid-fungal interactions: The whip spider exoskeleton as a substrate for fungal growth. Fungal Biology, 2019, 123, 497-506.	1.1	8
18	Loopâ€mediated isothermal amplification (<scp>LAMP</scp>) assays for rapid detection of <i>Pyrenopeziza brassicae</i> (light leaf spot of brassicas). Plant Pathology, 2018, 67, 167-174.	1.2	8

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19	Evolution of asexual and sexual reproduction in the aspergilli. Studies in Mycology, 2018, 91, 37-59.	4.5	109
20	Considerations and consequences of allowing DNA sequence data as types of fungal taxa. IMA Fungus, 2018, 9, 167-175.	1.7	45
21	Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus Aspergillus. Genome Biology, 2017, 18, 28.	3.8	417
22	Sex and the Imperfect Fungi. Microbiology Spectrum, 2017, 5, .	1.2	28
23	The novel Aspergillus fumigatus MAT1-2-4 mating-type gene is required for mating and cleistothecia formation. Fungal Genetics and Biology, 2017, 108, 1-12.	0.9	19
24	Discovery of a sexual cycle in Aspergillus clavatus. Zanco Journal of Medical Sciences, 2017, 21, 1584-1593.	0.0	4
25	Sexual Development in Fungi and Its Uses in Gene Expression Systems. Fungal Biology, 2016, , 335-350.	0.3	10
26	Phenotypic heterogeneity in fungi: Importance and methodology. Fungal Biology Reviews, 2016, 30, 176-184.	1.9	52
27	Differences in <i><scp>MAT</scp></i> gene distribution and expression between <i>Rhynchosporium</i> species on grasses. Plant Pathology, 2015, 64, 344-354.	1.2	14
28	Commentaries: Name Changes in Medically Important Fungi and Their Implications for Clinical Practice. Journal of Clinical Microbiology, 2015, 53, 1056-1062.	1.8	65
29	Induction of the Sexual Cycle in Filamentous Ascomycetes. Fungal Biology, 2015, , 23-46.	0.3	10
30	Sexual Reproduction of Human Fungal Pathogens. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a019281-a019281.	2.9	45
31	Phenotypic heterogeneity is a selected trait in natural yeast populations subject to environmental stress. Environmental Microbiology, 2014, 16, 1729-1740.	1.8	88
32	Aspergillus: Sex and Recombination. Mycopathologia, 2014, 178, 349-362.	1.3	35
33	Discovery of a Sexual Cycle in Aspergillus lentulus, a Close Relative of A. fumigatus. Eukaryotic Cell, 2013, 12, 962-969.	3.4	39
34	Sexual reproduction and mating-typeâ€"mediated strain development in the penicillin-producing fungus <i>Penicillium chrysogenum</i>. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1476-1481.	3.3	116
35	Evolutionary Relationships between Rhynchosporium lolii sp. nov. and Other Rhynchosporium Species on Grasses. PLoS ONE, 2013, 8, e72536.	1.1	25
36	Molecular Epidemiology of Aspergillus fumigatus Isolates Harboring the TR ₃₄ /L98H Azole Resistance Mechanism. Journal of Clinical Microbiology, 2012, 50, 2674-2680.	1.8	127

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37	Presence and Functionality of Mating Type Genes in the Supposedly Asexual Filamentous Fungus Aspergillus oryzae. Applied and Environmental Microbiology, 2012, 78, 2819-2829.	1.4	58
38	Effects of <i>R</i> geneâ€mediated resistance in <i>Brassica napus</i> (oilseed rape) on asexual and sexual sporulation of <i>Pyrenopeziza brassicae</i> (light leaf spot). Plant Pathology, 2012, 61, 543-554.	1.2	12
39	Sexual development and cryptic sexuality in fungi: insights from<i>Aspergillus</i>species. FEMS Microbiology Reviews, 2012, 36, 165-192.	3.9	194
40	Genomic Analysis of the Necrotrophic Fungal Pathogens Sclerotinia sclerotiorum and Botrytis cinerea. PLoS Genetics, 2011, 7, e1002230.	1.5	902
41	Candida argentea sp. nov., a copper and silver resistant yeast species. Fungal Biology, 2011, 115, 909-918.	1.1	17
42	A fungal sexual revolution: Aspergillus and Penicillium show the way. Current Opinion in Microbiology, 2011, 14, 649-654.	2.3	71
43	Speciation despite globally overlapping distributions in Penicillium chrysogenum: the population genetics of Alexander Flemingâ€™s lucky fungus. Molecular Ecology, 2011, 20, 4288-4301.	2.0	49
44	Identification and Characterization of an Aspergillus fumigatus â€œSupermaterâ€•Pair. MBio, 2011, 2, .	1.8	55
45	The Amsterdam Declaration on Fungal Nomenclature. IMA Fungus, 2011, 2, 105-111.	1.7	320
46	The decarboxylation of the weak-acid preservative, sorbic acid, is encoded by linked genes in Aspergillus spp.. Fungal Genetics and Biology, 2010, 47, 683-692.	0.9	41
47	Discovery of a sexual cycle in the opportunistic fungal pathogen Aspergillus fumigatus. Nature, 2009, 457, 471-474.	13.7	439
48	The Ascomycota Tree of Life: A Phylum-wide Phylogeny Clarifies the Origin and Evolution of Fundamental Reproductive and Ecological Traits. Systematic Biology, 2009, 58, 224-239.	2.7	581
49	Population structure and mating system of Ascochyta rabiei in Tunisia: evidence for the recent introduction of mating type 2. Plant Pathology, 2008, 57, 540-551.	1.2	24
50	Evolutionary Biology: Genomic Clues to Original Sex in Fungi. Current Biology, 2008, 18, R207-R209.	1.8	29
51	Evolutionary Biology: Microsporidia Sex â€" A Missing Link to Fungi. Current Biology, 2008, 18, R1012-R1014.	1.8	11
52	Genomic Islands in the Pathogenic Filamentous Fungus Aspergillus fumigatus. PLoS Genetics, 2008, 4, e1000046.	1.5	473
53	DNA Sequence Characterization and Molecular Evolution of MAT1 and MAT2 Mating-Type Loci of the Self-Compatible Ascomycete Mold Neosartorya fischeri. Eukaryotic Cell, 2007, 6, 868-874.	3.4	106
54	Phylogenetic and morphological analysis of Antarctic lichen-forming Usnea species in the group Neuropogon. Antarctic Science, 2007, 19, 71-82.	0.5	45

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55	Sexual and vegetative compatibility genes in the aspergilli. Studies in Mycology, 2007, 59, 19-30.	4.5	33
56	Fungal species: thoughts on their recognition, maintenance and selection. , 2007, , 313-339.		9
57	Genome sequencing and analysis of the versatile cell factory Aspergillus niger CBS 513.88. Nature Biotechnology, 2007, 25, 221-231.	9.4	1,047
58	Distribution of Mating Types and Genetic Diversity of Ascochyta rabiei Populations in Tunisia Revealed by Mating-type-specific PCR and Random Amplified Polymorphic DNA Markers. Journal of Phytopathology, 2007, 155, 596-605.	0.5	14
59	Mating Type and the Genetic Basis of Self-Fertility in the Model Fungus Aspergillus nidulans. Current Biology, 2007, 17, 1384-1389.	1.8	183
60	Genomic sequence of the pathogenic and allergenic filamentous fungus Aspergillus fumigatus. Nature, 2005, 438, 1151-1156.	13.7	1,272
61	Sequencing of Aspergillus nidulans and comparative analysis with A. fumigatus and A. oryzae. Nature, 2005, 438, 1105-1115.	13.7	1,250
62	Evidence for Sexuality in the Opportunistic Fungal Pathogen Aspergillus fumigatus. Current Biology, 2005, 15, 1242-1248.	1.8	283
63	Sex in the extremes: lichen-forming fungi. The Mycologist, 2005, 19, 51-58.	0.5	55
64	Breeding systems in the lichen-forming fungal genus Cladonia. Fungal Genetics and Biology, 2005, 42, 554-563.	0.9	43
65	Genetic diversity in Xanthoria parietina (L.) Th. Fr. (lichen-forming ascomycete) from worldwide locations. Lichenologist, 2004, 36, 381-390.	0.5	23
66	From genomics to post-genomics in Aspergillus. Current Opinion in Microbiology, 2004, 7, 499-504.	2.3	56
67	Genetic differentiation of the Aspergillus section Flavi complex using AFLP fingerprints. Mycological Research, 2003, 107, 1427-1434.	2.5	58
68	Characterisation of the gptA gene, encoding UDP N-acetylglucosamine: dolichol phosphate N-acetylglucosaminylphosphoryl transferase, from the filamentous fungus, Aspergillus niger. Biochimica Et Biophysica Acta - General Subjects, 2003, 1619, 89-97.	1.1	6
69	Genomics reveals sexual secrets of Aspergillus. Microbiology (United Kingdom), 2003, 149, 2301-2303.	0.7	92
70	A new species of Tetramitus in the benthos of a saline antarctic lake. European Journal of Protistology, 2002, 37, 437-443.	0.5	21
71	Molecular and physiological diversity in the bipolar lichen-forming fungus Xanthoria elegans. Mycological Research, 2002, 106, 1277-1286.	2.5	32
72	Hydrophobins in the lichen symbiosis. New Phytologist, 2002, 154, 1-4.	3.5	21

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73	Cloning of theCYP51gene from the eyespot pathogenTapesia yallundaeindicates that resistance to the DMI fungicide prochloraz is not related to sequence changes in the gene encoding the target site enzyme. FEMS Microbiology Letters, 2001, 196, 183-187.	0.7	18
74	Pathogenicity, host-specificity, and population biology of tapesia spp., causal agents of eyespot disease of cereals. Advances in Botanical Research, 2000, 33, 225-258.	0.5	40
75	Sex and the single lichen. Nature, 2000, 404, 564-564.	13.7	92
76	Genetic Control of Resistance to the Sterol 14Î±-Demethylase Inhibitor Fungicide Prochloraz in the Cereal Eyespot Pathogen Tapesia yallundae. Applied and Environmental Microbiology, 2000, 66, 4599-4604.	1.4	38
77	Intra-specific and inter-specific conservation of mating-type genes from the discomycete plant-pathogenic fungi Pyrenopeziza brassicae and Tapesia yallundae. Current Genetics, 1999, 36, 290-300.	0.8	40
78	THE CONTROL OF SEXUAL MORPHOGENESIS IN THE ASCOMYCOTINA. Biological Reviews, 1992, 67, 421-458.	4.7	58
79	Sex and the Imperfect Fungi. , 0, , 193-214.		8
80	Morphology and Reproductive Mode of Aspergillus fumigatus. , 0, , 5-13.		6
81	Sexual Reproduction and Significance of MAT in the Aspergilli. , 0, , 123-142.		12