

# Paul S Dyer

## List of Publications by Year in descending order

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81  
papers

9,852  
citations

94433

37  
h-index

66911

78  
g-index

87  
all docs

87  
docs citations

87  
times ranked

8320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic sequence of the pathogenic and allergenic filamentous fungus <i>Aspergillus fumigatus</i> . <i>Nature</i> , 2005, 438, 1151-1156.	27.8	1,272
2	Sequencing of <i>Aspergillus nidulans</i> and comparative analysis with <i>A. fumigatus</i> and <i>A. oryzae</i> . <i>Nature</i> , 2005, 438, 1105-1115.	27.8	1,250
3	Genome sequencing and analysis of the versatile cell factory <i>Aspergillus niger</i> CBS 513.88. <i>Nature Biotechnology</i> , 2007, 25, 221-231.	17.5	1,047
4	Genomic Analysis of the Necrotrophic Fungal Pathogens <i>Sclerotinia sclerotiorum</i> and <i>Botrytis cinerea</i> . <i>PLoS Genetics</i> , 2011, 7, e1002230.	3.5	902
5	The Ascomycota Tree of Life: A Phylum-wide Phylogeny Clarifies the Origin and Evolution of Fundamental Reproductive and Ecological Traits. <i>Systematic Biology</i> , 2009, 58, 224-239.	5.6	581
6	Genomic Islands in the Pathogenic Filamentous Fungus <i>Aspergillus fumigatus</i> . <i>PLoS Genetics</i> , 2008, 4, e1000046.	3.5	473
7	Discovery of a sexual cycle in the opportunistic fungal pathogen <i>Aspergillus fumigatus</i> . <i>Nature</i> , 2009, 457, 471-474.	27.8	439
8	Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus <i>Aspergillus</i> . <i>Genome Biology</i> , 2017, 18, 28.	8.8	417
9	The Amsterdam Declaration on Fungal Nomenclature. <i>IMA Fungus</i> , 2011, 2, 105-111.	3.8	320
10	Evidence for Sexuality in the Opportunistic Fungal Pathogen <i>Aspergillus fumigatus</i> . <i>Current Biology</i> , 2005, 15, 1242-1248.	3.9	283
11	Sexual development and cryptic sexuality in fungi: insights from <i>Aspergillus</i> species. <i>FEMS Microbiology Reviews</i> , 2012, 36, 165-192.	8.6	194
12	Mating Type and the Genetic Basis of Self-Fertility in the Model Fungus <i>Aspergillus nidulans</i> . <i>Current Biology</i> , 2007, 17, 1384-1389.	3.9	183
13	Molecular Epidemiology of <i>Aspergillus fumigatus</i> Isolates Harboring the TR <sub>34</sub> /L98H Azole Resistance Mechanism. <i>Journal of Clinical Microbiology</i> , 2012, 50, 2674-2680.	3.9	127
14	Sexual reproduction and mating-type-mediated strain development in the penicillin-producing fungus <i>Penicillium chrysogenum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1476-1481.	7.1	116
15	Evolution of asexual and sexual reproduction in the aspergilli. <i>Studies in Mycology</i> , 2018, 91, 37-59.	7.2	109
16	DNA Sequence Characterization and Molecular Evolution of MAT1 and MAT2 Mating-Type Loci of the Self-Compatible Ascomycete Mold <i>Neosartorya fischeri</i> . <i>Eukaryotic Cell</i> , 2007, 6, 868-874.	3.4	106
17	Sex and the single lichen. <i>Nature</i> , 2000, 404, 564-564.	27.8	92
18	Genomics reveals sexual secrets of <i>Aspergillus</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 2301-2303.	1.8	92

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19	Phenotypic heterogeneity is a selected trait in natural yeast populations subject to environmental stress. <i>Environmental Microbiology</i> , 2014, 16, 1729-1740.	3.8	88
20	Population genomics confirms acquisition of drug-resistant <i>Aspergillus fumigatus</i> infection by humans from the environment. <i>Nature Microbiology</i> , 2022, 7, 663-674.	13.3	82
21	A fungal sexual revolution: <i>Aspergillus</i> and <i>Penicillium</i> show the way. <i>Current Opinion in Microbiology</i> , 2011, 14, 649-654.	5.1	71
22	The one health problem of azole resistance in <i>Aspergillus fumigatus</i> : current insights and future research agenda. <i>Fungal Biology Reviews</i> , 2020, 34, 202-214.	4.7	68
23	Commentaries: Name Changes in Medically Important Fungi and Their Implications for Clinical Practice. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1056-1062.	3.9	65
24	THE CONTROL OF SEXUAL MORPHOGENESIS IN THE ASCOMYCOTINA. <i>Biological Reviews</i> , 1992, 67, 421-458.	10.4	58
25	Genetic differentiation of the <i>Aspergillus</i> section <i>Flavi</i> complex using AFLP fingerprints. <i>Mycological Research</i> , 2003, 107, 1427-1434.	2.5	58
26	Presence and Functionality of Mating Type Genes in the Supposedly Asexual Filamentous Fungus <i>Aspergillus oryzae</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 2819-2829.	3.1	58
27	From genomics to post-genomics in <i>Aspergillus</i> . <i>Current Opinion in Microbiology</i> , 2004, 7, 499-504.	5.1	56
28	Sex in the extremes: lichen-forming fungi. <i>The Mycologist</i> , 2005, 19, 51-58.	0.4	55
29	Identification and Characterization of an <i>Aspergillus fumigatus</i> "Supermater" Pair. <i>MBio</i> , 2011, 2, .	4.1	55
30	Phenotypic heterogeneity in fungi: Importance and methodology. <i>Fungal Biology Reviews</i> , 2016, 30, 176-184.	4.7	52
31	Speciation despite globally overlapping distributions in <i>Penicillium chrysogenum</i> : the population genetics of Alexander Fleming's lucky fungus. <i>Molecular Ecology</i> , 2011, 20, 4288-4301.	3.9	49
32	Phylogenetic and morphological analysis of Antarctic lichen-forming <i>Usnea</i> species in the group <i>Neuropogon</i> . <i>Antarctic Science</i> , 2007, 19, 71-82.	0.9	45
33	Sexual Reproduction of Human Fungal Pathogens. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a019281-a019281.	6.2	45
34	Considerations and consequences of allowing DNA sequence data as types of fungal taxa. <i>IMA Fungus</i> , 2018, 9, 167-175.	3.8	45
35	Breeding systems in the lichen-forming fungal genus <i>Cladonia</i> . <i>Fungal Genetics and Biology</i> , 2005, 42, 554-563.	2.1	43
36	The decarboxylation of the weak-acid preservative, sorbic acid, is encoded by linked genes in <i>Aspergillus</i> spp.. <i>Fungal Genetics and Biology</i> , 2010, 47, 683-692.	2.1	41

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37	Intra-specific and inter-specific conservation of mating-type genes from the discomycete plant-pathogenic fungi <i>Pyrenopeziza brassicae</i> and <i>Tapesia yallundae</i> . <i>Current Genetics</i> , 1999, 36, 290-300.	1.7	40
38	Pathogenicity, host-specificity, and population biology of <i>tapesia</i> spp., causal agents of eyespot disease of cereals. <i>Advances in Botanical Research</i> , 2000, 33, 225-258.	1.1	40
39	Discovery of a Sexual Cycle in <i>Aspergillus lentulus</i> , a Close Relative of <i>A. fumigatus</i> . <i>Eukaryotic Cell</i> , 2013, 12, 962-969.	3.4	39
40	Genetic Control of Resistance to the Sterol 14 $\alpha$ -Demethylase Inhibitor Fungicide Prochloraz in the Cereal Eyespot Pathogen <i>Tapesia yallundae</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 4599-4604.	3.1	38
41	The Biotechnology of Quorn Mycoprotein: Past, Present and Future Challenges. <i>Grand Challenges in Biology and Biotechnology</i> , 2020, , 59-79.	2.4	38
42	<i>Aspergillus</i> : Sex and Recombination. <i>Mycopathologia</i> , 2014, 178, 349-362.	3.1	35
43	Sexual and vegetative compatibility genes in the aspergilli. <i>Studies in Mycology</i> , 2007, 59, 19-30.	7.2	33
44	Molecular and physiological diversity in the bipolar lichen-forming fungus <i>Xanthoria elegans</i> . <i>Mycological Research</i> , 2002, 106, 1277-1286.	2.5	32
45	Evolutionary Biology: Genomic Clues to Original Sex in Fungi. <i>Current Biology</i> , 2008, 18, R207-R209.	3.9	29
46	Sex and the Imperfect Fungi. <i>Microbiology Spectrum</i> , 2017, 5, .	3.0	28
47	Evolutionary Relationships between <i>Rhynchosporium lolii</i> sp. nov. and Other <i>Rhynchosporium</i> Species on Grasses. <i>PLoS ONE</i> , 2013, 8, e72536.	2.5	25
48	Population structure and mating system of <i>Ascochyta rabiei</i> in Tunisia: evidence for the recent introduction of mating type 2. <i>Plant Pathology</i> , 2008, 57, 540-551.	2.4	24
49	Genetic diversity in <i>Xanthoria parietina</i> (L.) Th. Fr. (lichen-forming ascomycete) from worldwide locations. <i>Lichenologist</i> , 2004, 36, 381-390.	0.8	23
50	A new species of <i>Tetramitus</i> in the benthos of a saline antarctic lake. <i>European Journal of Protistology</i> , 2002, 37, 437-443.	1.5	21
51	Hydrophobins in the lichen symbiosis. <i>New Phytologist</i> , 2002, 154, 1-4.	7.3	21
52	The novel <i>Aspergillus fumigatus</i> MAT1-2-4 mating-type gene is required for mating and cleistothecia formation. <i>Fungal Genetics and Biology</i> , 2017, 108, 1-12.	2.1	19
53	Cloning of the CYP51 gene from the eyespot pathogen <i>Tapesia yallundae</i> indicates that resistance to the DMI fungicide prochloraz is not related to sequence changes in the gene encoding the target site enzyme. <i>FEMS Microbiology Letters</i> , 2001, 196, 183-187.	1.8	18
54	Comparison of the behavior of fungal and plant cell wall during gastrointestinal digestion and resulting health effects: A review. <i>Trends in Food Science and Technology</i> , 2021, 110, 132-141.	15.1	18

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55	<i>Candida argentea</i> sp. nov., a copper and silver resistant yeast species. <i>Fungal Biology</i> , 2011, 115, 909-918.	2.5	17
56	Whole-Genome Sequence Data Uncover Widespread Heterothallism in the Largest Group of Lichen-Forming Fungi. <i>Genome Biology and Evolution</i> , 2019, 11, 721-730.	2.5	15
57	Distribution of Mating Types and Genetic Diversity of <i>Ascochyta rabiei</i> Populations in Tunisia Revealed by Mating-type-specific PCR and Random Amplified Polymorphic DNA Markers. <i>Journal of Phytopathology</i> , 2007, 155, 596-605.	1.0	14
58	Differences in <i>scp</i> MAT gene distribution and expression between <i>Rhynchosporium</i> species on grasses. <i>Plant Pathology</i> , 2015, 64, 344-354.	2.4	14
59	Effects of <i>R</i> gene-mediated resistance in <i>Brassica napus</i> (oilseed rape) on asexual and sexual sporulation of <i>Pyrenopeziza brassicae</i> (light leaf spot). <i>Plant Pathology</i> , 2012, 61, 543-554.	2.4	12
60	Sexual Reproduction and Significance of MAT in the <i>Aspergilli</i> . , 0, , 123-142.		12
61	Evolutionary Biology: Microsporidia Sex – A Missing Link to Fungi. <i>Current Biology</i> , 2008, 18, R1012-R1014.	3.9	11
62	The development of a biorefining strategy for the production of biofuel from sorghum milling waste. <i>Biochemical Engineering Journal</i> , 2019, 150, 107288.	3.6	11
63	First application of loop-mediated isothermal amplification (LAMP) assays for rapid identification of mating type in the heterothallic fungus <i>Aspergillus fumigatus</i> . <i>Mycoses</i> , 2019, 62, 812-817.	4.0	11
64	Sexual Development in Fungi and Its Uses in Gene Expression Systems. <i>Fungal Biology</i> , 2016, , 335-350.	0.6	10
65	Identification of ScIB, a Zn(II)2Cys6 transcription factor involved in sclerotium formation in <i>Aspergillus niger</i> . <i>Fungal Genetics and Biology</i> , 2020, 139, 103377.	2.1	10
66	Novel Biological Functions of the NsdC Transcription Factor in <i>Aspergillus fumigatus</i> . <i>MBio</i> , 2021, 12, .	4.1	10
67	Induction of the Sexual Cycle in Filamentous Ascomycetes. <i>Fungal Biology</i> , 2015, , 23-46.	0.6	10
68	Citizen Science Surveillance of Triazole-Resistant <i>Aspergillus fumigatus</i> in United Kingdom Residential Garden Soils. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0206121.	3.1	10
69	Fungal species: thoughts on their recognition, maintenance and selection. , 2007, , 313-339.		9
70	Sex and the Imperfect Fungi. , 0, , 193-214.		8
71	Loop-mediated isothermal amplification ( <i>scp</i> LAMP <sup>sc</sup> ) assays for rapid detection of <i>Pyrenopeziza brassicae</i> (light leaf spot of brassicas). <i>Plant Pathology</i> , 2018, 67, 167-174.	2.4	8
72	Amblypygid-fungal interactions: The whip spider exoskeleton as a substrate for fungal growth. <i>Fungal Biology</i> , 2019, 123, 497-506.	2.5	8

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73	Culturing and Mating of <i>Aspergillus fumigatus</i> . <i>Current Protocols in Microbiology</i> , 2019, 54, e87.	6.5	7
74	Characterisation of the <i>gptA</i> gene, encoding UDP N-acetylglucosamine: dolichol phosphate N-acetylglucosaminylphosphoryl transferase, from the filamentous fungus, <i>Aspergillus niger</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1619, 89-97.	2.4	6
75	Global Sexual Fertility in the Opportunistic Pathogen <i>Aspergillus fumigatus</i> and Identification of New Supermater Strains. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 258.	3.5	6
76	Morphology and Reproductive Mode of <i>Aspergillus fumigatus</i> . , 0, , 5-13.		6
77	Use of Bulk Segregant Analysis for Determining the Genetic Basis of Azole Resistance in the Opportunistic Pathogen <i>Aspergillus fumigatus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 841138.	3.9	6
78	Discovery of a sexual cycle in <i>Aspergillus clavatus</i> . <i>Zanco Journal of Medical Sciences</i> , 2017, 21, 1584-1593.	0.1	4
79	Self/Non-self Recognition: Microbes Playing Hard to Get. <i>Current Biology</i> , 2019, 29, R866-R868.	3.9	3
80	Novel Multiplex and Loop-Mediated Isothermal Amplification Assays for Rapid Species and Mating-Type Identification of <i>Oculimacula acuformis</i> and <i>O. yallundae</i> (Causal Agents of Cereal Eyespot), and Application for Detection of Ascospore Dispersal and In Planta Use. <i>Phytopathology</i> , 2021, 111, 582-592.	2.2	2
81	Production of Itaconic Acid by <i>Aspergillus terreus</i> from Sorghum Bran Hydrolysates and Optimization for Fermentative Production. <i>Industrial Biotechnology</i> , 2022, 18, 38-47.	0.8	1