

Robert H Proctor

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/191311/robert-h-proctor-publications-by-year.pdf>

Version: 2024-04-05

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89 papers	6,035 citations	37 h-index	77 g-index
92 ext. papers	7,253 ext. citations	4.6 avg, IF	5.43 L-index

#	Paper	IF	Citations
89	A-to-I mRNA editing controls spore death induced by a fungal meiotic drive gene in homologous and heterologous expression systems.. <i>Genetics</i> , 2022 ,	4	2
88	Genus-wide analysis of Fusarium polyketide synthases reveals broad chemical potential.. <i>Fungal Genetics and Biology</i> , 2022 , 103696	3.9	0
87	Volatile Organic Compound Profile Fingerprints Using DART-MS Shows Species-Specific Patterns in Mycotoxin Producing Fungi.. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 8,	5.6	2
86	Phylogenomic Analysis of a 55.1-kb 19-Gene Dataset Resolves a Monophyletic that Includes the Species Complex. <i>Phytopathology</i> , 2021 , 111, 1064-1079	3.8	39
85	A PCR method to identify ochratoxin A-producing <i>Aspergillus westerdijkiae</i> strains on dried and aged foods. <i>International Journal of Food Microbiology</i> , 2021 , 344, 109113	5.8	1
84	Use of the volatile trichodiene to reduce Fusarium head blight and trichothecene contamination in wheat. <i>Microbial Biotechnology</i> , 2021 ,	6.3	4
83	Mycotoxin Production in According to Contemporary Species Concepts. <i>Annual Review of Phytopathology</i> , 2021 , 59, 373-402	10.8	10
82	DNA sequence-based identification of Fusarium: A work in progress.. <i>Plant Disease</i> , 2021 ,	1.5	3
81	, sp. nov, a novel type A trichothecene-producing species from native grasses in a wetland ecosystem in Argentina. <i>Mycologia</i> , 2021 , 1-17	2.4	0
80	Self-Protection against the Sphingolipid Biosynthesis Inhibitor Fumonisin B Is Conferred by a Cluster-Encoded Ceramide Synthase. <i>MBio</i> , 2020 , 11,	7.8	7
79	An endophyte of (esparto or needle grass) from Tunisia is a novel species in the species complex. <i>Mycologia</i> , 2020 , 112, 792-807	2.4	5
78	Intrapopulation Antagonism Can Reduce the Growth and Aggressiveness of the Wheat Head Blight Pathogen. <i>Phytopathology</i> , 2020 , 110, 916-926	3.8	3
77	Genetic bases for variation in structure and biological activity of trichothecene toxins produced by diverse fungi. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 5185-5199	5.7	7
76	, sp. nov., a member of the species complex recovered from pseudoflowers on yellow-eyed grass (spp.) from Guyana. <i>Mycologia</i> , 2020 , 112, 39-51	2.4	9
75	Gain and loss of a transcription factor that regulates late trichothecene biosynthetic pathway genes in Fusarium. <i>Fungal Genetics and Biology</i> , 2020 , 136, 103317	3.9	9
74	Pseudoflowers produced by <i>Fusarium xyrophilum</i> on yellow-eyed grass (<i>Xyris</i> spp.) in Guyana: A novel floral mimicry system?. <i>Fungal Genetics and Biology</i> , 2020 , 144, 103466	3.9	5
73	Trichoderma trichothecenes 2020 , 281-301		3

72	Identification and distribution of gene clusters required for synthesis of sphingolipid metabolism inhibitors in diverse species of the filamentous fungus <i>Fusarium</i> . <i>BMC Genomics</i> , 2020 , 21, 510	4.5	10
71	No to : Phylogenomic and Practical Reasons for Continued Inclusion of the <i>Fusarium solani</i> Species Complex in the Genus. <i>MSphere</i> , 2020 , 5,	5	32
70	Synergistic Phytotoxic Effects of Culmorin and Trichothecene Mycotoxins. <i>Toxins</i> , 2019 , 11,	4.9	16
69	Design and validation of a robust multiplex polymerase chain reaction assay for idiomorph within the species complex. <i>Mycologia</i> , 2019 , 111, 772-781	2.4	4
68	Comparative Genomics and Transcriptomics During Sexual Development Gives Insight Into the Life History of the Cosmopolitan Fungus. <i>Frontiers in Microbiology</i> , 2019 , 10, 1247	5.7	7
67	Variation in secondary metabolite production potential in the <i>Fusarium incarnatum-equiseti</i> species complex revealed by comparative analysis of 13 genomes. <i>BMC Genomics</i> , 2019 , 20, 314	4.5	37
66	Maternal mitochondrial inheritance in two <i>Fusarium</i> pathogens of prickly ash (<i>Zanthoxylum bungeanum</i>) in northern China. <i>Mycologia</i> , 2019 , 111, 235-243	2.4	1
65	A cytochrome P450 monooxygenase gene required for biosynthesis of the trichothecene toxin harzianum A in <i>Trichoderma</i> . <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 8087-8103	5.7	8
64	arabinanase (Arb93B) Enhances Wheat Head Blight Susceptibility by Suppressing Plant Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2019 , 32, 888-898	3.6	10
63	Requirement of Two Acyltransferases for 4- O-Acylation during Biosynthesis of Harzianum A, an Antifungal Trichothecene Produced by <i>Trichoderma arundinaceum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 723-734	5.7	8
62	Role of <i>Trichoderma arundinaceum</i> tri10 in regulation of terpene biosynthetic genes and in control of metabolic flux. <i>Fungal Genetics and Biology</i> , 2019 , 122, 31-46	3.9	12
61	<i>Fusarium</i> mycotoxins: a trans-disciplinary overview. <i>Canadian Journal of Plant Pathology</i> , 2018 , 40, 161-171	17.6	27
60	Evolution of structural diversity of trichothecenes, a family of toxins produced by plant pathogenic and entomopathogenic fungi. <i>PLoS Pathogens</i> , 2018 , 14, e1006946	7.6	90
59	MycoKey Round Table Discussions of Future Directions in Research on Chemical Detection Methods, Genetics and Biodiversity of Mycotoxins. <i>Toxins</i> , 2018 , 10,	4.9	7
58	Karyotype evolution in. <i>IMA Fungus</i> , 2018 , 9, 13-26	6.8	15
57	Effect of deletion of a trichothecene toxin regulatory gene on the secondary metabolism transcriptome of the saprotrophic fungus <i>Trichoderma arundinaceum</i> . <i>Fungal Genetics and Biology</i> , 2018 , 119, 29-46	3.9	18
56	Production and Role of Hormones During Interaction of Species With Maize (L.) Seedlings. <i>Frontiers in Plant Science</i> , 2018 , 9, 1936	6.2	20
55	Reducing production of fumonisin mycotoxins in <i>Fusarium verticillioides</i> by RNA interference. <i>Mycotoxin Research</i> , 2018 , 34, 29-37	4	14

54	Marasas et al. 1984 "Toxigenic Fusarium Species: Identity and Mycotoxicology" revisited. <i>Mycologia</i> , 2018 , 110, 1058-1080	2.4	48
53	Molecular systematics of two sister clades, the Fusarium concolor and F. babinda species complexes, and the discovery of a novel microcycle macroconidium-producing species from South Africa. <i>Mycologia</i> , 2018 , 110, 1189-1204	2.4	10
52	Fusarium subtropicale, sp. nov., a novel nivalenol mycotoxin-producing species isolated from barley (Hordeum vulgare) in Brazil and sister to F. praegraminearum. <i>Mycologia</i> , 2018 , 110, 860-871	2.4	8
51	Heterothallic sexual reproduction in three canker-inducing tree pathogens within the Fusarium torreyae species complex. <i>Mycologia</i> , 2018 , 110, 710-725	2.4	8
50	Differential Retention of Gene Functions in a Secondary Metabolite Cluster. <i>Molecular Biology and Evolution</i> , 2017 , 34, 2002-2015	8.3	32
49	Population genetic structure and mycotoxin potential of the wheat crown rot and head blight pathogen Fusarium culmorum in Algeria. <i>Fungal Genetics and Biology</i> , 2017 , 103, 34-41	3.9	31
48	Targeting Fumonisin Biosynthetic Genes. <i>Methods in Molecular Biology</i> , 2017 , 1542, 201-214	1.4	3
47	Fusarium algeriense, sp. nov., a novel toxigenic crown rot pathogen of durum wheat from Algeria is nested in the Fusarium burgessii species complex. <i>Mycologia</i> , 2017 , 109, 935-950	2.4	13
46	Fusarium agapanthi sp. nov., a novel bikaverin and fusarubin-producing leaf and stem spot pathogen of Agapanthus praecox (African lily) from Australia and Italy. <i>Mycologia</i> , 2016 , 108, 981-992	2.4	27
45	A Meiotic Drive Element in the Maize Pathogen Fusarium verticillioides Is Located Within a 102 kb Region of Chromosome V. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2543-52	3.2	5
44	Insights into natural products biosynthesis from analysis of 490 polyketide synthases from Fusarium. <i>Fungal Genetics and Biology</i> , 2016 , 89, 37-51	3.9	46
43	Two Horizontally Transferred Xenobiotic Resistance Gene Clusters Associated with Detoxification of Benzoxazolinones by Fusarium Species. <i>PLoS ONE</i> , 2016 , 11, e0147486	3.7	20
42	Fusarium praegraminearum sp. nov., a novel nivalenol mycotoxin-producing pathogen from New Zealand can induce head blight on wheat. <i>Mycologia</i> , 2016 , 108, 1229-1239	2.4	10
41	Variation in Fumonisin and Ochratoxin Production Associated with Differences in Biosynthetic Gene Content in Aspergillus niger and A. welwitschiae Isolates from Multiple Crop and Geographic Origins. <i>Frontiers in Microbiology</i> , 2016 , 7, 1412	5.7	51
40	Botrydial and botcinins produced by Botrytis cinerea regulate the expression of Trichoderma arundinaceum genes involved in trichothecene biosynthesis. <i>Molecular Plant Pathology</i> , 2016 , 17, 1017-31	5.7	12
39	Comparative "Omics" of the Fusarium fujikuroi Species Complex Highlights Differences in Genetic Potential and Metabolite Synthesis. <i>Genome Biology and Evolution</i> , 2016 , 8, 3574-3599	3.9	81
38	A polyphasic approach for characterization of a collection of cereal isolates of the Fusarium incarnatum-equiseti species complex. <i>International Journal of Food Microbiology</i> , 2016 , 234, 24-35	5.8	36
37	The geographic distribution and complex evolutionary history of the NX-2 trichothecene chemotype from Fusarium graminearum. <i>Fungal Genetics and Biology</i> , 2016 , 95, 39-48	3.9	38

36	Variation in type A trichothecene production and trichothecene biosynthetic genes in <i>Fusarium goolgardi</i> from natural ecosystems of Australia. <i>Toxins</i> , 2015 , 7, 4577-94	4.9	13
35	Identification of a 12-gene Fusaric Acid Biosynthetic Gene Cluster in <i>Fusarium</i> Species Through Comparative and Functional Genomics. <i>Molecular Plant-Microbe Interactions</i> , 2015 , 28, 319-32	3.6	67
34	Variation in the fumonisin biosynthetic gene cluster in fumonisin-producing and nonproducing black aspergilli. <i>Fungal Genetics and Biology</i> , 2014 , 73, 39-52	3.9	49
33	Birth, death and horizontal transfer of the fumonisin biosynthetic gene cluster during the evolutionary diversification of <i>Fusarium</i> . <i>Molecular Microbiology</i> , 2013 , 90, 290-306	4.1	72
32	<i>Fusarium</i> pathogenomics. <i>Annual Review of Microbiology</i> , 2013 , 67, 399-416	17.5	294
31	Phylogenetic analyses of RPB1 and RPB2 support a middle Cretaceous origin for a clade comprising all agriculturally and medically important fusaria. <i>Fungal Genetics and Biology</i> , 2013 , 52, 20-31	3.9	254
30	One fungus, one name: defining the genus <i>Fusarium</i> in a scientifically robust way that preserves longstanding use. <i>Phytopathology</i> , 2013 , 103, 400-8	3.8	155
29	Deciphering the cryptic genome: genome-wide analyses of the rice pathogen <i>Fusarium fujikuroi</i> reveal complex regulation of secondary metabolism and novel metabolites. <i>PLoS Pathogens</i> , 2013 , 9, e1003475	7.6	321
28	Tricarballic ester formation during biosynthesis of fumonisin mycotoxins in. <i>Mycology</i> , 2013 , 4, 179-186	3.7	11
27	Fumonisin B, A and C profile and masking in <i>Fusarium verticillioides</i> strains on fumonisin-inducing and maize-based media. <i>International Journal of Food Microbiology</i> , 2012 , 159, 93-100	5.8	13
26	Identification of gene clusters associated with fusaric acid, fusarin, and perithecial pigment production in <i>Fusarium verticillioides</i> . <i>Fungal Genetics and Biology</i> , 2012 , 49, 521-32	3.9	98
25	Genetic diversity and trichothecene chemotypes of the <i>Fusarium graminearum</i> clade isolated from maize in Nepal and identification of a putative new lineage. <i>Fungal Biology</i> , 2011 , 115, 38-48	2.8	46
24	The genetic basis for 3-ADON and 15-ADON trichothecene chemotypes in <i>Fusarium</i> . <i>Fungal Genetics and Biology</i> , 2011 , 48, 485-95	3.9	135
23	<i>Fusarium sibiricum</i> sp. nov, a novel type A trichothecene-producing <i>Fusarium</i> from northern Asia closely related to <i>F. sporotrichioides</i> and <i>F. langsethiae</i> . <i>International Journal of Food Microbiology</i> , 2011 , 147, 58-68	5.8	48
22	Comparative genomics reveals mobile pathogenicity chromosomes in <i>Fusarium</i> . <i>Nature</i> , 2010 , 464, 367-73	50.4	1085
21	Evidence that a secondary metabolic biosynthetic gene cluster has grown by gene relocation during evolution of the filamentous fungus <i>Fusarium</i> . <i>Molecular Microbiology</i> , 2009 , 74, 1128-42	4.1	145
20	Genes, gene clusters, and biosynthesis of trichothecenes and fumonisins in <i>Fusarium</i> . <i>Toxin Reviews</i> , 2009 , 28, 198-215	2.3	181
19	A fumonisin biosynthetic gene cluster in <i>Fusarium oxysporum</i> strain O-1890 and the genetic basis for B versus C fumonisin production. <i>Fungal Genetics and Biology</i> , 2008 , 45, 1016-26	3.9	90

18	Transformation-mediated complementation of a FUM gene cluster deletion in <i>Fusarium verticillioides</i> restores both fumonisin production and pathogenicity on maize seedlings. <i>Molecular Plant-Microbe Interactions</i> , 2008 , 21, 87-97	3.6	139
17	The <i>Fusarium verticillioides</i> FUM gene cluster encodes a Zn(II)2Cys6 protein that affects FUM gene expression and fumonisin production. <i>Eukaryotic Cell</i> , 2007 , 6, 1210-8		153
16	Complementary host-pathogen genetic analyses of the role of fumonisins in the <i>Zea mays</i> / <i>Gibberella moniliformis</i> interaction. <i>Physiological and Molecular Plant Pathology</i> , 2007 , 70, 149-160	2.6	30
15	Heterologous expression of two trichothecene P450 genes in <i>Fusarium verticillioides</i> . <i>Canadian Journal of Microbiology</i> , 2006 , 52, 220-6	3.2	35
14	<i>Fusarium</i> Tri4 encodes a multifunctional oxygenase required for trichothecene biosynthesis. <i>Canadian Journal of Microbiology</i> , 2006 , 52, 636-42	3.2	59
13	Fumonisin production in the maize pathogen <i>Fusarium verticillioides</i> : genetic basis of naturally occurring chemical variation. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 2424-30	5.7	110
12	FvVE1 regulates filamentous growth, the ratio of microconidia to macroconidia and cell wall formation in <i>Fusarium verticillioides</i> . <i>Molecular Microbiology</i> , 2006 , 62, 1418-32	4.1	118
11	Discontinuous distribution of fumonisin biosynthetic genes in the <i>Gibberella fujikuroi</i> species complex. <i>Mycological Research</i> , 2004 , 108, 815-22		128
10	FUM13 encodes a short chain dehydrogenase/reductase required for C-3 carbonyl reduction during fumonisin biosynthesis in <i>Gibberella moniliformis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 3000-6	5.7	62
9	Characterization of a <i>fusarium</i> 2-gene cluster involved in trichothecene C-8 modification. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 7936-44	5.7	63
8	Co-expression of 15 contiguous genes delineates a fumonisin biosynthetic gene cluster in <i>Gibberella moniliformis</i> . <i>Fungal Genetics and Biology</i> , 2003 , 38, 237-49	3.9	308
7	FUM9 is required for C-5 hydroxylation of fumonisins and complements the meiotically defined Fum3 locus in <i>Gibberella moniliformis</i> . <i>Applied and Environmental Microbiology</i> , 2003 , 69, 6935-7	4.8	46
6	Inactivation of a cytochrome P-450 is a determinant of trichothecene diversity in <i>Fusarium</i> species. <i>Fungal Genetics and Biology</i> , 2002 , 36, 224-33	3.9	136
5	Characterization of four clustered and coregulated genes associated with fumonisin biosynthesis in <i>Fusarium verticillioides</i> . <i>Fungal Genetics and Biology</i> , 2001 , 34, 155-65	3.9	191
4	Analysis of aberrant virulence of <i>Gibberella zeae</i> following transformation-mediated complementation of a trichothecene-deficient (Tri5) mutant. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 8), 2059-2068	2.9	42
3	Biosynthetic and genetic relationships of B-series fumonisins produced by <i>Gibberella fujikuroi</i> mating population A. <i>Natural Toxins</i> , 1999 , 7, 251-8		22
2	A polyketide synthase gene required for biosynthesis of fumonisin mycotoxins in <i>Gibberella fujikuroi</i> mating population A. <i>Fungal Genetics and Biology</i> , 1999 , 27, 100-12	3.9	299
1	Restoration of wild-type virulence to Tri5 disruption mutants of <i>Gibberella zeae</i> via gene reversion and mutant complementation. <i>Microbiology (United Kingdom)</i> , 1997 , 143 (Pt 8), 2583-2591	2.9	89

