John F Leslie

List of Publications by Year
in descending order

132 papers	7,936 citations	34076 52 h-index	54882 84 g-index
147 all docs	147 docs citations	147 times ranked	4721 citing authors

#	Article	IF	Citations
1	Fungal Vegetative Compatibility. Annual Review of Phytopathology, 1993, 31, 127-150.	3.5	590
2	Production of fusaric acid by Fusarium species. Applied and Environmental Microbiology, 1996, 62, 4039-4043.	1.4	323
3	A Utilitarian Approach to Fusarium Identification. Plant Disease, 2003, 87, 117-128.	0.7	252
4	Sexual Recombination in Gibberella zeae. Phytopathology, 1999, 89, 182-188.	1.1	238
5	One Fungus, One Name: Defining the Genus <i>Fusarium</i> in a Scientifically Robust Way That Preserves Longstanding Use. Phytopathology, 2013, 103, 400-408.	1.1	219
6	<i>Fusarium</i>spp. from Corn, Sorghum, and Soybean Fields in the Central and Eastern United States. Phytopathology, 1990, 80, 343.	1.1	211
7	Gibberella fujikuroi: available populations and variable traits. Canadian Journal of Botany, 1995, 73, 282-291.	1.2	210
8	Female Fertility and Mating Type Effects on Effective Population Size and Evolution in Filamentous Fungi. Genetics, 1996, 144, 557-567.	1.2	189
9	Biogeography and phylogeography of Fusarium: a review. Fungal Diversity, 2010, 44, 3-13.	4.7	170
10	Fumonisin B₁Production by Strains from Different Mating Populations of<i>Gibberella fujikuroi</i>(<i>Fusarium</i>Section<i>Liseola</i>). Phytopathology, 1992, 82, 341.	1.1	167
11	PCR-Based Identification of MAT-1 and MAT-2 in the Gibberella fujikuroi Species Complex. Applied and Environmental Microbiology, 2000, 66, 4378-4382.	1.4	149
12	Genetic Diversity and Fitness of <i>Fusarium graminearum</i> Populations from Rice in Korea. Applied and Environmental Microbiology, 2009, 75, 3289-3295.	1.4	144
13	Population differentiation and recombination in wheat scab populations of Gibberella zeae from the United States. Molecular Ecology, 2004, 13, 563-571.	2.0	129
14	Molecular Standardization of Mating Type Terminology in the <i>Gibberella fujikuroi</i> Species Complex. Applied and Environmental Microbiology, 1999, 65, 4071-4076.	1.4	128
15	Production of Beauvericin, Moniliformin, Fusaproliferin, and Fumonisins B 1 , B 2 , and B 3 by Fifteen Ex-Type Strains of Fusarium Species. Applied and Environmental Microbiology, 2002, 68, 5195-5197.	1.4	118
16	Toxicity, Pathogenicity, and Genetic Differentiation of Five Species of Fusarium from Sorghum and Millet. Phytopathology, 2005, 95, 275-283.	1.1	112
17	Diversity of Epidemic Populations of Gibberella zeae from Small Quadrats in Kansas and North Dakota. Phytopathology, 2003, 93, 874-880.	1.1	111
18	Phylogenomic Analysis of a 55.1-kb 19-Gene Dataset Resolves a Monophyletic<i>Fusarium</i>that Includes the<i>Fusarium solani</i>Species Complex. Phytopathology, 2021, 111, 1064-1079.	1.1	107

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19	Species Diversity of and Toxin Production by Gibberella fujikuroi Species Complex Strains Isolated from Native Prairie Grasses in Kansas. Applied and Environmental Microbiology, 2004, 70, 2254-2262.	1.4	104
20	Genetic Structure of Atmospheric Populations of Gibberella zeae. Phytopathology, 2006, 96, 1021-1026.	1.1	101
21	Relative severity of aflatoxin contamination of cereal crops in West Africa. Food Additives and Contaminants, 2007, 24, 1109-1114.	2.0	98
22	The Name Fusarium Moniliforme Should no Longer be Used. Mycological Research, 2003, 107, 643-644.	2.5	94
23	Fifty years of Fusarium: how could nine species have ever been enough?. Fungal Diversity, 2011, 50, 135-144.	4.7	94
24	<i>Gibberella konza</i>(<i>Fusarium konzum</i>) sp. nov. from prairie grasses, a new species in the<i>Gibberella fujikuroi</i>species complex. Mycologia, 2003, 95, 943-954.	0.8	93
25	Genetic Mapping of Pathogenicity and Aggressiveness of Gibberella zeae (Fusarium graminearum) Toward Wheat. Phytopathology, 2004, 94, 520-526.	1.1	93
26	<i>Fusarium thapsinum</i>(<i>Gibberella thapsina</i>): A new species in section<i>Liseola</i>from sorghum. Mycologia, 1997, 89, 643-652.	0.8	86
27	Fusarium laboratory workshopsâ€"A recent history. Mycotoxin Research, 2006, 22, 73-74.	1.3	86
28	Nitrate-nonutilizing mutants ofGibberella zeae (Fusarium graminearum) and their use in determining vegetative compatibility. Experimental Mycology, 1992, 16, 308-315.	1.8	85
29	Heterokaryon self-incompatibility in Gibberella fujikuroi (Fusarium moniliforme). Mycological Research, 1989, 93, 21-27.	2.5	84
30	Genetic Variation in Fusarium Section Liseola from No-Till Maize in Argentina. Applied and Environmental Microbiology, 2000, 66, 5312-5315.	1.4	78
31	Fusarium andiyazi sp. nov., a new species from sorghum. Mycologia, 2001, 93, 1203-1210.	0.8	78
32	Systematic Numbering of Vegetative Compatibility Groups in the Plant Pathogenic Fungus Fusarium oxysporum. Phytopathology, 1998, 88, 30-32.	1.1	76
33	Fusarium species associated with plants in Australia. Fungal Diversity, 2011, 46, 1-27.	4.7	71
34	Ecological Networks in Stored Grain: Key Postharvest Nodes for Emerging Pests, Pathogens, and Mycotoxins. BioScience, 2015, 65, 985-1002.	2.2	70
35	Fumonisin B1 production and vegetative compatibility of strains from Gibberella fujikuroi mating population ?A? (Fusarium moniliforme). Mycopathologia, 1992, 117, 37-45.	1.3	66
36	<i>Fusarium tupiense</i>sp. nov., a member of the<i>Gibberella fujikuroi</i>complex that causes mango malformation in Brazil. Mycologia, 2012, 104, 1408-1419.	0.8	66

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37	Population structure and Aflatoxin production by Aspergillus Sect. Flavi from maize in Nigeria and Ghana. Food Microbiology, 2014, 41, 52-59.	2.1	66
38	Fusarium andiyazi sp. nov., a New Species from Sorghum. Mycologia, 2001, 93, 1203.	0.8	65
39	Fusarium thapsinum (Gibberella thapsina): A New Species in Section Liseola from Sorghum. Mycologia, 1997, 89, 643.	0.8	63
40	Isozyme and amplified fragment length polymorphisms fromCephalosporium maydis in Egypt. Phytoparasitica, 2000, 28, 121-130.	0.6	63
41	Diversity of <i>Fusarium</i> Species Isolated from Weeds and Plant Debris in Croatia. Journal of Phytopathology, 2012, 160, 76-81.	0.5	62
42	Production of Fumonisin B and C Analogues by SeveralFusariumSpecies. Journal of Agricultural and Food Chemistry, 2005, 53, 4861-4866.	2.4	61
43	Expression and Function of Sex Pheromones and Receptors in the Homothallic Ascomycete<i>Gibberella zeae</i>. Eukaryotic Cell, 2008, 7, 1211-1221.	3.4	61
44	Fusarium head blight and mycotoxins in wheat: prevention and control strategies across the food chain. World Mycotoxin Journal, 2019, 12, 333-355.	0.8	61
45	No to <i>Neocosmospora</i> : Phylogenomic and Practical Reasons for Continued Inclusion of the Fusarium solani Species Complex in the Genus <i>Fusarium</i>. MSphere, 2020, 5, .	1.3	61
46	Population Structure of <i>Fusarium fujikuroi</i> from California Rice and Water Grass. Phytopathology, 2008, 98, 992-998.	1.1	60
47	Relatedness of<i>Macrophomina phaseolina</i>isolates from tallgrass prairie, maize, soybean and sorghum. Molecular Ecology, 2010, 19, 79-91.	2.0	60
48	RECESSIVE MUTATIONS FROM NATURAL POPULATIONS OF <i>NEUROSPORA CRASSA</i> THAT ARE EXPRESSED IN THE SEXUAL DIPLOPHASE. Genetics, 1985, 111, 759-777.	1.2	60
49	Enniatin and Beauvericin Biosynthesis in Fusarium Species: Production Profiles and Structural Determinant Prediction. Toxins, 2017, 9, 45.	1.5	59
50	Icebergs and species in populations of Fusarium. Physiological and Molecular Plant Pathology, 2001, 59, 107-117.	1.3	58
51	Population genetic structure ofGibberella zeaeisolated from wheat in Argentina. Food Additives and Contaminants, 2007, 24, 1115-1120.	2.0	58
52	Population Structure of and Mycotoxin Production by Fusarium graminearum from Maize in South Korea. Applied and Environmental Microbiology, 2012, 78, 2161-2167.	1.4	58
53	The Mycotox Charter: Increasing Awareness of, and Concerted Action for, Minimizing Mycotoxin Exposure Worldwide. Toxins, 2018, 10, 149.	1.5	57
54	Identification of a Second Mating Population within the<i>Fusarium Moniliforme</i>Anamorph of<i>Gibberella Fujikuroi</i>. Mycologia, 1992, 84, 541-547.	0.8	54

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55	Expanded Genetic Map of Gibberella moniliformis (Fusarium verticillioides). Applied and Environmental Microbiology, 2002, 68, 1972-1979.	1.4	53
56	A Genetic Map of <i>Gibberella fujikuroi</i> Mating Population A (<i>Fusarium moniliforme</i>). Genetics, 1996, 143, 175-189.	1.2	50
57	Effect of Sorting on Incidence and Occurrence of Fumonisins and Fusarium verticillioides on Maize from Nigeria. Journal of Food Protection, 2006, 69, 2019-2023.	0.8	49
58	Heterokaryon incompatibility in fungiâ€"more than just another way to die. Journal of Genetics, 1996, 75, 415-424.	0.4	48
59	Inter- and intra-specific genetic variation in Fusarium. International Journal of Food Microbiology, 2007, 119, 25-32.	2.1	48
60	Interfertility of Two Mating Populations in the Gibberella Fujikuroi Species Complex. European Journal of Plant Pathology, 2004, 110, 611-618.	0.8	47
61	Isozyme Variation among Biological Species in the Gibberella fujikuroi Species Complex (Fusarium) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	47
62	Identification of a Second Mating Population within the Fusarium moniliforme Anamorph of Gibberella fujikuroi. Mycologia, 1992, 84, 541.	0.8	44
63	Key Global Actions for Mycotoxin Management in Wheat and Other Small Grains. Toxins, 2021, 13, 725.	1.5	43
64	Aggressiveness to Mature Maize Plants of Fusarium Strains Differing in Ability to Produce Fumonisin. Plant Disease, 1999, 83, 690-693.	0.7	42
65	Gibberella konza (Fusarium konzum) sp. nov. from Prairie Grasses, a New Species in the Gibberella fujikuroi Species Complex. Mycologia, 2003, 95, 943.	0.8	42
66	<i>Cephalosporium maydis</i>is a distinct species in the<i>Gaeumannomyces-Harpophora</i>species complex. Mycologia, 2004, 96, 1294-1305.	0.8	41
67	Fusariumcrown and root rot pathogens associated with wheat and grass stem bases on the South Island of New Zealand. Australasian Plant Pathology, 2006, 35, 495.	0.5	41
68	Fusarium Species from the Cassava Root Rot Complex in West Africa. Phytopathology, 2006, 96, 673-676.	1.1	41
69	A new <i>Fusarium</i> lineage within the <i>Gibberella fujikuroi</i> species complex is the main causal agent of mango malformation disease in Brazil. Plant Pathology, 2009, 58, 33-42.	1.2	40
70	Relative Competitiveness and Virulence of Four Clonal Lineages of Cephalosporium maydis from Egypt Toward Greenhouse-Grown Maize. Plant Disease, 2002, 86, 373-378.	0.7	38
71	Three independent genetic systems that control initiation of a fungal fruiting body. Molecular Genetics and Genomics, 1979, 171, 257-260.	2.4	37
72	Heterokaryons of Gibberella zeae formed following hyphal anastomosis or protoplast fusion. Experimental Mycology, 1987, 11, 339-353.	1.8	37

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73	Genome Sequencing of Multiple Isolates Highlights Subtelomeric Genomic Diversity within<i>Fusarium fujikuroi</i>. Genome Biology and Evolution, 2015, 7, 3062-3069.	1.1	36
74	A CRISPR-Cas9 System for Genome Editing of Fusarium proliferatum. Scientific Reports, 2019, 9, 19836.	1.6	35
75	Introductory Biology of Fusarium moniliforme. Advances in Experimental Medicine and Biology, 1996, 392, 153-164.	0.8	32
76	Alignment of Genetic and Physical Maps of <i>Gibberella zeae</i>. Applied and Environmental Microbiology, 2008, 74, 2349-2359.	1.4	31
77	Monokaryotic fruiting in Schizophyllum commune: Genetic control of the response to mechanical injury. Molecular Genetics and Genomics, 1979, 175, 5-12.	2.4	30
78	Variability in antifungal proteins in the grains of maize, sorghum and wheat. Physiologia Plantarum, 1993, 88, 339-349.	2.6	30
79	Sensitivity of Field Strains ofGibberella Fujikuroi (FusariumSectionLiseola) to Benomyl and Hygromycin B. Mycologia, 1993, 85, 206-213.	0.8	28
80	Description of Gibberella sacchari and neotypification of its anamorph Fusarium sacchari. Mycologia, 2005, 97, 718-724.	0.8	27
81	Fungal vegetative compatibility â€" Promises and Prospects. Phytoparasitica, 1996, 24, 3-6.	0.6	26
82	Cephalosporium maydis Is a Distinct Species in the Gaeumannomyces-Harpophora Species Complex. Mycologia, 2004, 96, 1294.	0.8	25
83	Identification and characterization of strains ofGibberella fujikuroimating population A with rare fumonisin production phenotypes. Mycologia, 1996, 88, 416-424.	0.8	24
84	Amplified Fragment Length Polymorphism Diversity in Cephalosporium maydis from Egypt. Phytopathology, 2003, 93, 853-859.	1.1	24
85	<i>Fusarium graminearum</i>: When species concepts collide. Cereal Research Communications, 2008, 36, 609-615.	0.8	24
86	VCG and AFLP analyses identify the same groups in the causal agents of mango malformation in Brazil. European Journal of Plant Pathology, 2009, 123, 17-26.	0.8	24
87	Variation and Transgression of Aggressiveness Among Two <i>Gibberella zeae</i> Crosses Developed from Highly Aggressive Parental Isolates. Phytopathology, 2010, 100, 904-912.	1.1	24
88	Gibberella konza (Fusarium konzum) sp. nov. from prairie grasses, a new species in the Gibberella fujikuroi species complex. Mycologia, 2003, 95, 943-54.	0.8	24
89	Genetic structure of Fusarium verticillioides populations isolated from maize in Argentina. European Journal of Plant Pathology, 2009, 123, 207-215.	0.8	23
90	Cytology of recessive sexual-phase mutants from wild strains of Neurospora crassa. Genome, 1992, 35, 815-826.	0.9	21

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91	Genetic Structure of <i>Fusarium pseudograminearum</i> Populations from the Australian Grain Belt. Phytopathology, 2008, 98, 250-255.	1.1	21
92	<i>Fusarium</i> Species Associated with Mango Malformation in Peninsular Malaysia. Journal of Phytopathology, 2013, 161, 617-624.	0.5	21
93	Mycotoxins produced by Fusarium proliferatum and F. pseudonygamai on maize, sorghum and pearl millet grains in vitro. International Journal of Food Microbiology, 2019, 296, 31-36.	2.1	21
94	Some Genetic Techniques forGibberella zeae. Phytopathology, 1983, 73, 1005.	1.1	20
95	The Homologue of het-c of Neurospora crassa Lacks Vegetative Compatibility Function in Fusarium proliferatum. Applied and Environmental Microbiology, 2006, 72, 6527-6532.	1.4	19
96	Spatial aggregation in <i>Fusarium pseudograminearum</i> populations from the Australian grain belt. Plant Pathology, 2009, 58, 23-32.	1.2	18
97	Effects of the<i>tol</i>mutation on allelic interactions at<i>het</i>loci in<i>Neurospora crassa</i>. Genome, 1997, 40, 834-840.	0.9	17
98	Genetic factors affecting sexual reproduction in toxigenic Fusarium species. International Journal of Food Microbiology, 2007, 119, 54-58.	2.1	17
99	Inbreeding for isogeneity by backcrossing to a fixed parent in haploid and diploid eukaryotes. Genetical Research, 1981, 37, 239-252.	0.3	15
100	Segregation of secondary metabolite biosynthesis in hybrids of Fusarium fujikuroi and Fusarium proliferatum. Fungal Genetics and Biology, 2012, 49, 567-577.	0.9	14
101	Morphological characterization and trichothecene genotype analysis of a Fusarium Head Blight population in South Africa. European Journal of Plant Pathology, 2017, 148, 261-269.	0.8	14
102	Fumonisin and Beauvericin Chemotypes and Genotypes of the Sister Species <i>Fusarium subglutinans</i> and <i>Fusarium temperatum</i>. Applied and Environmental Microbiology, 2020, 86, .	1.4	14
103	Description of<i>Gibberella sacchari</i>and neotypification of its anamorph<i>Fusarium sacchari</i>. Mycologia, 2005, 97, 718-724.	0.8	13
104	AFLP, Pathogenicity, and VCG Analyses of <i>Fusarium oxysporum</i> and <i>Fusarium pseudocircinatum</i> from <i>Acacia koa</i>. Plant Disease, 2012, 96, 1111-1117.	0.7	13
105	Purification of Fusaproliferin from Cultures ofFusarium subglutinansby Preparative High-Performance Liquid Chromatography. Journal of Agricultural and Food Chemistry, 2003, 51, 383-388.	2.4	11
106	Monokaryotic Fruiting inSchizophyllum Commune: Phenoloxidases. Mycologia, 1979, 71, 1082-1085.	0.8	10
107	Nuclear Control of Monokaryotic Fruiting in Schizophyllum Commune. Mycologia, 1984, 76, 760-763.	0.8	10
108	Utilization of Nitrogen Sources byGibberella Zeae. Mycologia, 1986, 78, 568-576.	0.8	9

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109	Double-stranded RNAs associated with Fusarium proliferatum mitochondria. Mycological Progress, 2004, 3, 193-198.	0.5	9
110	Methods for detecting chromosome rearrangements inGibberella zeae. Cereal Research Communications, 2008, 36, 603-608.	0.8	9
111	The regulatory gene nit-2 of Neurospora crassa complements a nnu mutant of Gibberella zeae (Fusarium graminearum). Molecular Genetics and Genomics, 1992, 235, 458-462.	2.4	8
112	In search of new Fusarium species. Plant Breeding and Seed Science, 2011, 63, 94-101.	0.1	8
113	The U.S. Culture Collection Network Lays the Foundation for Progress in Preservation of Valuable Microbial Resources. Phytopathology, 2016, 106, 532-540.	1.1	8
114	MycoKey Round Table Discussions of Future Directions in Research on Chemical Detection Methods, Genetics and Biodiversity of Mycotoxins. Toxins, 2018, 10, 109.	1.5	8
115	Fusarium Species from Sorghum in Thailand. Plant Pathology Journal, 2019, 35, 301-312.	0.7	8
116	Cloning and characterization ofFpmtr1, an amino acid transporter gene ofFusarium proliferatum (Gibberella intermedia). Journal of Basic Microbiology, 2007, 47, 16-24.	1.8	7
117	Fusarium verticillioidesfrom finger millet in Uganda. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2012, 29, 1762-1769.	1.1	7
118	The MyToolbox EUâ€"China Partnershipâ€"Progress and Future Directions in Mycotoxin Research and Management. Toxins, 2020, 12, 712.	1.5	7
119	Fusarium mirum sp. nov, intertwining Fusarium madaense and Fusarium andiyazi, pathogens of tropical grasses. Fungal Biology, 2022, 126, 250-266.	1.1	7
120	Comparison of natural populations of Mycosphaerella graminicola from single fields in Kansas and California. Physiological and Molecular Plant Pathology, 2009, 74, 55-59.	1.3	6
121	Perspective: Talking About Mycotoxins. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	5
122	Effects of water activity and temperature on fusaric and fusarinolic acid production by Fusarium temperatum. Food Control, 2020, 114, 107263.	2.8	5
123	Effective approaches for early identification and proactive mitigation of aflatoxins in peanuts: An EUâ€"China perspective. Comprehensive Reviews in Food Science and Food Safety, 2022, 21, 3227-3243.	5.9	5
124	Interfertility of two mating populations in the Gibberella fujikuroi species complex. , 2004, , 611-618.		4
125	Mutants that Blur the Line Between Biological Species & Vegetative Compatibility Groups. Cereal Research Communications, 1997, 25, 539-542.	0.8	4
126	Characterization of Bostrycoidin: An Analytical Analog of Zearalenone. Journal of Food Science, 2004, 69, FCT227-FCT232.	1.5	3

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127	Divergence and Gene Flow Between Fusarium subglutinans and F. temperatum Isolated from Maize in Argentina. Phytopathology, 2021, 111, 170-183.	1.1	3
128	Agrobiodiversity in Pest Management. , 0, , 309-319.		3
129	James J. Worrall, ed. Structure and Dynamics of Fungal Populations. Mycopathologia, 1999, 147, 169-170.	1.3	2
130	<i>Fusarium</i>Genetics and Pathogenicity. , 0, , 607-621.		1
131	Strain Genotypes of Gibberella fujikuroi mating population A (Fusarium moniliforme) Mapping Population. Fungal Genetics Reports, 1996, 43, 61-65.	0.6	1
132	Monokaryotic fruiting and production of slime in Schizophyllum commune. Transactions of the British Mycological Society, 1980, 74, 167-170.	0.6	0