Nicholas P Money

List of Publications by Year
in descending order

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Version: 2024-02-01

64 papers	2,292 citations	159585 30 h-index	223800 46 g-index
64 all docs	64 docs citations	64 times ranked	1878 citing authors

#	Article	IF	Citations
1	Osmotic Pressure of Aqueous Polyethylene Glycols. Plant Physiology, 1989, 91, 766-769.	4.8	253
2	Confirmation of a Link between Fungal Pigmentation, Turgor Pressure, and Pathogenicity Using a New Method of Turgor Measurement. Fungal Genetics and Biology, 1996, 20, 217-227.	2.1	129
3	The captured launch of a ballistospore. Mycologia, 2005, 97, 866-871.	1.9	93
4	Wishful Thinking of Turgor Revisited: The Mechanics of Fungal Growth. Fungal Genetics and Biology, 1997, 21, 173-187.	2.1	88
5	The captured launch of a ballistospore. Mycologia, 2005, 97, 866-871.	1.9	77
6	Measurement of pore size in the hyphal cell wall ofAchlya bisexualis. Experimental Mycology, 1990, 14, 234-242.	1.6	66
7	Osmotic pressure of fungal compatible osmolytes. Mycological Research, 2000, 104, 800-804.	2.5	66
8	The Fastest Flights in Nature: High-Speed Spore Discharge Mechanisms among Fungi. PLoS ONE, 2008, 3, e3237.	2.5	66
9	Pathogenic properties of fungal melanins. Mycologia, 2001, 93, 1-8.	1.9	65
10	Invasive Hyphal Growth in Wangiella dermatitidis Is Induced by Stab Inoculation and Shows Dependence upon Melanin Biosynthesis. Fungal Genetics and Biology, 1999, 28, 190-200.	2.1	61
11	Turgor pressure and the mechanics of fungal penetration. Canadian Journal of Botany, 1995, 73, 96-102.	1.1	59
12	Melanin Synthesis Is Associated with Changes in Hyphopodial Turgor, Permeability, and Wall Rigidity inGaeumannomyces graminisvar.graminis. Fungal Genetics and Biology, 1998, 24, 240-251.	2.1	55
13	Pathogenic Properties of Fungal Melanins. Mycologia, 2001, 93, 1.	1.9	55
14	Biomechanical evidence for convergent evolution of the invasive growth process among fungi and oomycete water molds. Fungal Genetics and Biology, 2004, 41, 872-876.	2.1	55
15	Measurement of hyphal turgor. Experimental Mycology, 1990, 14, 416-425.	1.6	51
16	Moreg's than the Space Shuttle: ballistospore discharge. Mycologia, 1998, 90, 547-558.	1.9	49
17	Are mushrooms medicinal?. Fungal Biology, 2016, 120, 449-453.	2.5	48
18	Correlation between endoglucanase secretion and cell wall strength in oomycete hyphae: implications for growth and morphogenesis. Mycologia, 1997, 89, 777-785.	1.9	47

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19	Mechanics of Solid Tissue Invasion by the Mammalian Pathogen Pythium insidiosum. Fungal Genetics and Biology, 2001, 34, 167-175.	2.1	47
20	Adaptation of the Spore Discharge Mechanism in the Basidiomycota. PLoS ONE, 2009, 4, e4163.	2.5	42
21	Evolution of Spore Release Mechanisms in the Saprolegniaceae (Oomycetes): Evidence from a Phylogenetic Analysis of Internal Transcribed Spacer Sequences. Fungal Genetics and Biology, 1998, 24, 354-363.	2.1	41
22	Mushrooms as Rainmakers: How Spores Act as Nuclei for Raindrops. PLoS ONE, 2015, 10, e0140407.	2.5	40
23	Insights on the mechanics of hyphal growth. Fungal Biology Reviews, 2008, 22, 71-76.	4.7	39
24	New information on the mechanism of forcible ascospore discharge from Ascobolus immersus. Fungal Genetics and Biology, 2004, 41, 698-707.	2.1	38
25	Mechanism Linking Cellular Pigmentation and Pathogenicity in Rice Blast Disease. Fungal Genetics and Biology, 1997, 22, 151-152.	2.1	37
26	The fungal dining habit: a biomechanical perspective. The Mycologist, 2004, 18, 71-76.	0.4	36
27	How far and how fast can mushroom spores fly? Physical limits on ballistospore size and discharge distance in the Basidiomycota. Fungal Biology, 2010, 114, 669-675.	2.5	36
28	More g's than the Space Shuttle: Ballistospore Discharge. Mycologia, 1998, 90, 547.	1.9	35
29	Biomechanical interaction between hyphae of two Pythium species (Oomycota) and host tissues. Fungal Genetics and Biology, 2002, 37, 245-249.	2.1	33
30	What forces drive cell wall expansion?. Canadian Journal of Botany, 1995, 73, 379-383.	1.1	30
31	Correlation between Endoglucanase Secretion and Cell Wall Strength in Oomycete Hyphae: Implications for Growth and Morphogenesis. Mycologia, 1997, 89, 777.	1.9	30
32	Why mushrooms form gills: efficiency of the lamellate morphology. Fungal Biology, 2010, 114, 57-63.	2.5	29
33	Mushroom stem cells. BioEssays, 2002, 24, 949-952.	2.5	28
34	Cell wall permeability and its relationship to spore release in Achlya intricata. Experimental Mycology, 1988, 12, 169-179.	1.6	24
35	Why oomycetes have not stopped being fungi. Mycological Research, 1998, 102, 767-768.	2.5	24
36	Pulses in turgor pressure and water potential: resolving the mechanics of hyphal growth. Microbiological Research, 1999, 154, 225-231.	5.3	22

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37	Biomechanics of invasive growth by Armillaria rhizomorphs. Fungal Genetics and Biology, 2009, 46, 688-694.	2.1	21
38	Fungus punches its way in. Nature, 1999, 401, 332-333.	27.8	20
39	Relationship between temperature optima and secreted protease activities of three Pythium species and pathogenicity toward plant and animal hosts. Mycological Research, 2006, 110, 96-103.	2.5	19
40	Dynamics of sporangial emptying in Achlya intricata. Experimental Mycology, 1988, 12, 13-27.	1.6	18
41	Biomechanics of conidial dispersal in the toxic mold Stachybotrys chartarum. Fungal Genetics and Biology, 2007, 44, 641-647.	2.1	17
42	Solving the aerodynamics of fungal flight: how air viscosity slows spore motion. Fungal Biology, 2010, 114, 943-948.	2.5	17
43	Biomechanics of Invasive Hyphal Growth. , 2001, , 3-17.		17
44	Airflow patterns around mushrooms and their relationship to spore dispersal. Mycologia, 2001, 93, 732-736.	1.9	16
45	Mechanics of Invasive Fungal Growth and the Significance of Turgor in Plant Infection. Developments in Plant Pathology, 1998, , 261-271.	0.1	16
46	Water stress and sporangial emptying in Achlya (Saprolegniaceae). Botanical Journal of the Linnean Society, 1985, 91, 319-328.	1.6	14
47	Evaporative cooling of mushrooms. Mycologia, 1999, 91, 351-352.	1.9	14
48	Biomechanics of stipe elongation in the basidiomycete Coprinopsis cinerea. Mycological Research, 2005, 109, 627-634.	2.5	14
49	The pulse of the machine â€“ reevaluating tipâ€growth methodology. New Phytologist, 2001, 151, 553-555.	7.3	13
50	Airflow Patterns around Mushrooms and Their Relationship to Spore Dispersal. Mycologia, 2001, 93, 732.	1.9	13
51	Hyphal and mycelial consciousness: the concept of the fungal mind. Fungal Biology, 2021, 125, 257-259.	2.5	11
52	To Perforate a Leaf of Grass. Fungal Genetics and Biology, 1999, 28, 146-147.	2.1	10
53	Evaporative Cooling of Mushrooms. Mycologia, 1999, 91, 351.	1.9	9
54	Biochemical and Biomechanical Aspects of Appressorial Development in Magnaporthe Grisea. Developments in Plant Pathology, 2000, , 248-256.	0.1	9

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55	Reverend Berkeley's devil. Nature, 2001, 411, 644-645.	27.8	8
56	On the origin and functions of hyphal walls and turgor pressure. Mycological Research, 1999, 103, 1360.	2.5	7
57	Biomechanics of Spore Release in Phytopathogens. , 2009, , 115-133.		3
58	Cecil Terence Ingold (1905â€“2010). Nature, 2010, 465, 1025-1025.	27.8	3
59	Short-range splash discharge of peridioles in Nidularia. Fungal Biology, 2015, 119, 471-475.	2.5	3
60	Plagues upon houses and cars: the unnatural history of Meruliporia incrassata, Serpula lacrymans and Sphaerobolus stellatus. , 0, , 289-310.		2
61	Introduction: The 200th anniversary of the hypha. Fungal Biology, 2011, 115, 443-445.	2.5	2
62	Fungal Biology. Understanding the Fungal Lifestyle, Second Edition, by D.H. Jennings and G. Lysek. Mycopathologia, 2002, 153, 163-163.	3.1	1
63	Why Picking Wild Mushrooms May be Bad Behaviour. Mycological Research, 2005, 109, 131-135.	2.5	1
64	Fungal ecology: Truffle-guzzling birds. Current Biology, 2021, 31, R1591-R1593.	3.9	0