

Emilia Mellado

List of Publications by Year in descending order

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105
papers

8,769
citations

34105

52
h-index

42399

92
g-index

110
all docs

110
docs citations

110
times ranked

5736
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Associated Pulmonary Aspergillosis (CAPA): Hospital or Home Environment as a Source of Life-Threatening <i>Aspergillus fumigatus</i> Infection?. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 316.	3.5	15
2	Azole Antifungal Drugs: Mode of Action and Resistance. , 2021, , 427-437.		4
3	Hospital Environment as a Source of Azole-Resistant <i>Aspergillus fumigatus</i> Strains with TR34/L98H and G448S Cyp51A Mutations. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 22.	3.5	10
4	<i>Aspergillus fumigatus</i> Cross-Resistance between Clinical and Demethylase Inhibitor Azole Drugs. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	16
5	Multiresistance to Nonazole Fungicides in <i>Aspergillus fumigatus</i> TR ₃₄ /L98H Azole-Resistant Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0064221.	3.2	13
6	Are Point Mutations in HMG-CoA Reductases (Hmg1 and Hmg2) a Step towards Azole Resistance in <i>Aspergillus fumigatus</i> ?. <i>Molecules</i> , 2021, 26, 5975.	3.8	5
7	An expanded agarâ€based screening method for azoleâ€resistant <i>Aspergillus fumigatus</i> . <i>Mycoses</i> , 2021, , .	4.0	0
8	Galactosaminogalactan activates the inflammasome to provide host protection. <i>Nature</i> , 2020, 588, 688-692.	27.8	78
9	Point Mutations in the 14-Î± Sterol Demethylase Cyp51A or Cyp51C Could Contribute to Azole Resistance in <i>Aspergillus flavus</i> . <i>Genes</i> , 2020, 11, 1217.	2.4	13
10	A Cyp51B Mutation Contributes to Azole Resistance in <i>Aspergillus fumigatus</i> . <i>Journal of Fungi</i> (Basel,) Tj ETQq0 0 0,rgBT /Overlock 10 T	3.5	27
11	Molecular Identification, Antifungal Susceptibility Testing, and Mechanisms of Azole Resistance in <i>Aspergillus</i> Species Received within a Surveillance Program on Antifungal Resistance in Spain. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	27
12	Identification of Off-Patent Compounds That Present Antifungal Activity Against the Emerging Fungal Pathogen <i>Candida auris</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 83.	3.9	57
13	Two KTR Mannosyltransferases Are Responsible for the Biosynthesis of Cell Wall Mannans and Control Polarized Growth in <i>Aspergillus fumigatus</i> </i>. <i>MBio</i> , 2019, 10, .	4.1	31
14	Insight into the Significance of <i>Aspergillus fumigatus</i> cyp51A Polymorphisms. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	57
15	Could the determination of <i>Aspergillus fumigatus</i> </i> mating type have prognostic value in invasive aspergillosis?. <i>Mycoses</i> , 2018, 61, 172-178.	4.0	4
16	Comparison of Two Highly Discriminatory Typing Methods to Analyze <i>Aspergillus fumigatus</i> Azole Resistance. <i>Frontiers in Microbiology</i> , 2018, 9, 1626.	3.5	27
17	Genome-Wide Comparative Analysis of <i>Aspergillus fumigatus</i> Strains: The Reference Genome as a Matter of Concern. <i>Genes</i> , 2018, 9, 363.	2.4	51
18	Triazole Resistance in <i>Aspergillus</i> Species: An Emerging Problem. <i>Drugs</i> , 2017, 77, 599-613.	10.9	140

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19	Molecular identification, antifungal resistance and virulence of <i>Cryptococcus neoformans</i> and <i>Cryptococcus deneoformans</i> isolated in Seville, Spain. <i>Mycoses</i> , 2017, 60, 40-50.	4.0	40
20	Triazole Resistance in <i>Aspergillus</i> spp.: A Worldwide Problem?. <i>Journal of Fungi</i> (Basel, Switzerland), 2016, 2, 21.	3.5	108
21	Proposal for a unified nomenclature for target site mutations associated with resistance to fungicides. <i>Pest Management Science</i> , 2016, 72, 1449-1459.	3.4	76
22	New applications for known drugs: Human glycogen synthase kinase 3 inhibitors as modulators of <i>Aspergillus fumigatus</i> growth. <i>European Journal of Medicinal Chemistry</i> , 2016, 116, 281-289.	5.5	10
23	Galactomannan enzyme immunoassay and quantitative Real Time PCR as tools to evaluate the exposure and response in a rat model of aspergillosis after posaconazole prophylaxis. <i>Enfermedades Infecciosas Y Microbiologa Clnica</i> , 2016, 34, 571-576.	0.5	2
24	A New <i>Aspergillus fumigatus</i> Typing Method Based on Hypervariable Tandem Repeats Located within Exons of Surface Protein Coding Genes (TRESP). <i>PLoS ONE</i> , 2016, 11, e0163869.	2.5	30
25	First detection of <i>Aspergillus fumigatus</i> azole-resistant strain due to Cyp51A TR46/Y121F/T289A in an azole-naive patient in Spain. <i>New Microbes and New Infections</i> , 2015, 6, 33-34.	1.6	40
26	Fitness Studies of Azole-Resistant Strains of <i>Aspergillus fumigatus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7866-7869.	3.2	22
27	Hitting the Caspofungin Salvage Pathway of Human-Pathogenic Fungi with the Novel Lasso Peptide Humidimycin (MDN-0010). <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5145-5153.	3.2	54
28	Rapid Development of <i>Candida krusei</i> Echinocandin Resistance during Caspofungin Therapy. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6975-6982.	3.2	50
29	<i>Candida parapsilosis</i> , <i>Candida orthopsilosis</i> , and <i>Candida metapsilosis</i> virulence in the non-conventional host <i>Galleria mellonella</i> . <i>Virulence</i> , 2014, 5, 278-285.	4.4	73
30	Genetic Relatedness versus Biological Compatibility between <i>Aspergillus fumigatus</i> and Related Species. <i>Journal of Clinical Microbiology</i> , 2014, 52, 3707-3721.	3.9	79
31	Current status of antifungal resistance and its impact on clinical practice. <i>British Journal of Haematology</i> , 2014, 166, 471-484.	2.5	93
32	Deciphering the role of the chitin synthase families 1 and 2 in the <i>in vivo</i> and <i>in vitro</i> growth of <i>Aspergillus fumigatus</i> by multiple gene targeting deletion. <i>Cellular Microbiology</i> , 2014, 16, 1784-1805.	2.1	90
33	The ZrFC alkaline zinc transporter is required for <i>Aspergillus fumigatus</i> virulence and its growth in the presence of the Zn/Mn-chelating protein calprotectin. <i>Cellular Microbiology</i> , 2014, 16, 548-564.	2.1	70
34	Ribosomic DNA intergenic spacer 1 region is useful when identifying <i>Candida parapsilosis</i> spp. complex based on high-resolution melting analysis. <i>Medical Mycology</i> , 2014, 52, 472-481.	0.7	12
35	Polyphasic characterization of fungal isolates from a published case of invasive aspergillosis reveals misidentification of <i>Aspergillus felis</i> as <i>Aspergillus viridinutans</i> . <i>Journal of Medical Microbiology</i> , 2014, 63, 617-619.	1.8	13
36	Breakthrough pulmonary <i>Aspergillus fumigatus</i> infection with multiple triazole resistance in a Spanish patient with chronic myeloid leukemia. <i>Revista Iberoamericana De Micologia</i> , 2013, 30, 64-68.	0.9	20

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37	The non-mammalian host <i>Galleria mellonella</i> can be used to study the virulence of the fungal pathogen <i>Candida tropicalis</i> and the efficacy of antifungal drugs during infection by this pathogenic yeast. <i>Medical Mycology</i> , 2013, 51, 461-472.	0.7	98
38	Invasive aspergillosis caused by cryptic <i>Aspergillus</i> species: a report of two consecutive episodes in a patient with leukaemia. <i>Journal of Medical Microbiology</i> , 2013, 62, 474-478.	1.8	43
39	A New Approach to Drug Discovery: High-Throughput Screening of Microbial Natural Extracts against <i>Aspergillus fumigatus</i> Using Resazurin. <i>Journal of Biomolecular Screening</i> , 2012, 17, 542-549.	2.6	120
40	Resistance to Voriconazole Due to a G448S Substitution in <i>Aspergillus fumigatus</i> in a Patient with Cerebral Aspergillosis. <i>Journal of Clinical Microbiology</i> , 2012, 50, 2531-2534.	3.9	48
41	Current section and species complex concepts in <i>Aspergillus</i> : recommendations for routine daily practice. <i>Annals of the New York Academy of Sciences</i> , 2012, 1273, 18-24.	3.8	39
42	Ergosterol biosynthesis in <i>Aspergillus fumigatus</i> : its relevance as an antifungal target and role in antifungal drug resistance. <i>Frontiers in Microbiology</i> , 2012, 3, 439.	3.5	120
43	Three-dimensional models of 14 α -sterol demethylase (Cyp51A) from <i>Aspergillus lentulus</i> and <i>Aspergillus fumigatus</i> : an insight into differences in voriconazole interaction. <i>International Journal of Antimicrobial Agents</i> , 2011, 38, 426-434.	2.5	22
44	Functional analysis of the fungal/plant class chitinase family in <i>Aspergillus fumigatus</i> . <i>Fungal Genetics and Biology</i> , 2011, 48, 418-429.	2.1	65
45	A novel family of dehydrin-like proteins is involved in stress response in the human fungal pathogen <i>Aspergillus fumigatus</i> . <i>Molecular Biology of the Cell</i> , 2011, 22, 1896-1906.	2.1	48
46	Antifungal susceptibility profile of clinical <i>Alternaria</i> spp. identified by molecular methods. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 2585-2587.	3.0	17
47	Role of <i>Aspergillus lentulus</i> 14 α -Sterol Demethylase (Cyp51A) in Azole Drug Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5459-5468.	3.2	40
48	<i>Aspergillus</i> Species and Other Molds in Respiratory Samples from Patients with Cystic Fibrosis: a Laboratory-Based Study with Focus on <i>Aspergillus fumigatus</i> Azole Resistance. <i>Journal of Clinical Microbiology</i> , 2011, 49, 2243-2251.	3.9	164
49	Members of protein O α -mannosyltransferase family in <i>Aspergillus fumigatus</i> differentially affect growth, morphogenesis and viability. <i>Molecular Microbiology</i> , 2010, 76, 1205-1221.	2.5	81
50	Environmental Study of Azole-Resistant <i>Aspergillus fumigatus</i> and Other <i>Aspergilli</i> in Austria, Denmark, and Spain. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4545-4549.	3.2	217
51	Identification of Pathogenic Rare Yeast Species in Clinical Samples: Comparison between Phenotypical and Molecular Methods. <i>Journal of Clinical Microbiology</i> , 2010, 48, 1895-1899.	3.9	70
52	Activity Profile In Vitro of Micafungin against Spanish Clinical Isolates of Common and Emerging Species of Yeasts and Molds. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 2192-2195.	3.2	45
53	Species Identification and Antifungal Susceptibility Patterns of Species Belonging to <i>Aspergillus</i> Section <i>Nigri</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4514-4517.	3.2	70
54	Azole resistance in <i>Aspergillus fumigatus</i> : a side-effect of environmental fungicide use?. <i>Lancet Infectious Diseases</i> , The, 2009, 9, 789-795.	9.1	524

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55	Antifungal drug resistance in molds: Clinical and microbiological factors. <i>Current Fungal Infection Reports</i> , 2008, 2, 36-42.	2.6	9
56	Clinical relevance of resistance to antifungals. <i>International Journal of Antimicrobial Agents</i> , 2008, 32, S111-S113.	2.5	22
57	Molecular epidemiology and antifungal susceptibility patterns of <i>Sporothrix schenckii</i> isolates from a cat-transmitted epidemic of sporotrichosis in Rio de Janeiro, Brazil. <i>Medical Mycology</i> , 2008, 46, 141-151.	0.7	68
58	Ergosterol biosynthesis pathway in <i>Aspergillus fumigatus</i> . <i>Steroids</i> , 2008, 73, 339-347.	1.8	115
59	Susceptibility Testing and Molecular Classification of <i>Paecilomyces</i> spp. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2926-2928.	3.2	72
60	Rapid Detection of Triazole Antifungal Resistance in <i>Aspergillus fumigatus</i> . <i>Journal of Clinical Microbiology</i> , 2008, 46, 1200-1206.	3.9	101
61	<i>Aspergillus</i> Section <i>Fumigati</i> : Antifungal Susceptibility Patterns and Sequence-Based Identification. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1244-1251.	3.2	233
62	In Vitro Activities of 35 Double Combinations of Antifungal Agents against <i>Scedosporium apiospermum</i> and <i>Scedosporium prolificans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1136-1139.	3.2	72
63	Epidemiological Cutoffs and Cross-Resistance to Azole Drugs in <i>Aspergillus fumigatus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2468-2472.	3.2	196
64	Antifungal susceptibility profile of clinical <i>Fusarium</i> spp. isolates identified by molecular methods. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 61, 805-809.	3.0	191
65	Emergence of Azole Resistance in <i>Aspergillus fumigatus</i> and Spread of a Single Resistance Mechanism. <i>PLoS Medicine</i> , 2008, 5, e219.	8.4	630
66	Time of Incubation for Antifungal Susceptibility Testing of <i>Aspergillus fumigatus</i> : Can MIC Values Be Obtained at 24 Hours?. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 4502-4504.	3.2	13
67	Genotype distribution of clinical isolates of <i>Trichosporon asahii</i> based on sequencing of intergenic spacer 1. <i>Diagnostic Microbiology and Infectious Disease</i> , 2007, 58, 435-440.	1.8	36
68	A New <i>Aspergillus fumigatus</i> Resistance Mechanism Conferring In Vitro Cross-Resistance to Azole Antifungals Involves a Combination of cyp51A Alterations. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1897-1904.	3.2	443
69	Multiple-Triazole-Resistant Aspergillosis. <i>New England Journal of Medicine</i> , 2007, 356, 1481-1483.	27.0	360
70	Head-to-Head Comparison of the Activities of Currently Available Antifungal Agents against 3,378 Spanish Clinical Isolates of Yeasts and Filamentous Fungi. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 917-921.	3.2	279
71	<i>Aspergillus fumigatus</i> C-5 Sterol Desaturases Erg3A and Erg3B: Role in Sterol Biosynthesis and Antifungal Drug Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 453-460.	3.2	45
72	In Vitro Activities of 10 Combinations of Antifungal Agents against the Multiresistant Pathogen <i>Scopulariopsis brevicaulis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2248-2250.	3.2	65

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73	Susceptibility profile of 29 clinical isolates of <i>Rhodotorula</i> spp. and literature review. <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 55, 312-316.	3.0	93
74	Analysis of the Influence of Tween Concentration, Inoculum Size, Assay Medium, and Reading Time on Susceptibility Testing of <i>Aspergillus</i> spp. <i>Journal of Clinical Microbiology</i> , 2005, 43, 1251-1255.	3.9	41
75	Rates of antifungal resistance among Spanish clinical isolates of <i>Cryptococcus neoformans</i> var. <i>neoformans</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 56, 1144-1147.	3.0	52
76	Targeted Gene Disruption of the 14 α -Sterol Demethylase (<i>cyp51A</i>) in <i>Aspergillus fumigatus</i> and Its Role in Azole Drug Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2536-2538.	3.2	113
77	Combined Activity In Vitro of Caspofungin, Amphotericin B, and Azole Agents against Itraconazole-Resistant Clinical Isolates of <i>Aspergillus fumigatus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 1232-1235.	3.2	65
78	Susceptibility Patterns and Molecular Identification of <i>Trichosporon</i> Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 4026-4034.	3.2	173
79	In Vitro Activity of Ravuconazole against 923 Clinical Isolates of Nondermatophyte Filamentous Fungi. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 5136-5138.	3.2	46
80	In vitro activity of terbinafine against medically important non-dermatophyte species of filamentous fungi. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 53, 1086-1089.	3.0	51
81	In Vitro Activities of Ravuconazole and Four Other Antifungal Agents against Fluconazole-Resistant or -Susceptible Clinical Yeast Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3107-3111.	3.2	49
82	Genotyping and Antifungal Susceptibility Profile of <i>Dipodascus capitatus</i> Isolates Causing Disseminated Infection in Seven Hematological Patients of a Tertiary Hospital. <i>Journal of Clinical Microbiology</i> , 2004, 42, 1832-1836.	3.9	54
83	Outbreak of gastric mucormycosis associated with the use of wooden tongue depressors in critically ill patients. <i>Intensive Care Medicine</i> , 2004, 30, 724-728.	8.2	99
84	Substitutions at Methionine 220 in the 14 α -Sterol Demethylase (<i>Cyp51A</i>) of <i>Aspergillus fumigatus</i> Are Responsible for Resistance In Vitro to Azole Antifungal Drugs. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2747-2750.	3.2	200
85	In vitro evaluation of combination of terbinafine with itraconazole or amphotericin B against <i>Zygomycota</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2003, 45, 199-202.	1.8	49
86	Cell wall biogenesis in a double chitin synthase mutant (<i>chsGΔ/chsEΔ</i>) of <i>Aspergillus fumigatus</i> . <i>Fungal Genetics and Biology</i> , 2003, 38, 98-109.	2.1	82
87	<i>Scopulariopsis brevicaulis</i> , a Fungal Pathogen Resistant to Broad-Spectrum Antifungal Agents. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 2339-2341.	3.2	83
88	G484S Amino Acid Substitution in Lanosterol 14 α -Demethylase (<i>ERG11</i>) Is Related to Fluconazole Resistance in a Recurrent <i>Cryptococcus neoformans</i> Clinical Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3653-3656.	3.2	124
89	In Vitro Activities of Three Licensed Antifungal Agents against Spanish Clinical Isolates of <i>Aspergillus</i> spp. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3085-3088.	3.2	78
90	Presente y futuro de la micología médica. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2003, 21, 75-80.	0.5	0

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91	Comparative Evaluation of NCCLS M27-A and EUCAST Broth Microdilution Procedures for Antifungal Susceptibility Testing of <i>Candida</i> Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3644-3647.	3.2	113
92	Influence of Glucose Supplementation and Inoculum Size on Growth Kinetics and Antifungal Susceptibility Testing of <i>Candida</i> spp. <i>Journal of Clinical Microbiology</i> , 2001, 39, 525-532.	3.9	56
93	Standardization of Antifungal Susceptibility Variables for a Semiautomated Methodology. <i>Journal of Clinical Microbiology</i> , 2001, 39, 2513-2517.	3.9	46
94	Identification of Two Different 14- α Sterol Demethylase-Related Genes (<i>cyp51A</i> and <i>cyp51B</i>) in <i>Aspergillus fumigatus</i> and Other <i>Aspergillus</i> species. <i>Journal of Clinical Microbiology</i> , 2001, 39, 2431-2438.	3.9	276
95	Azasordarins: Susceptibility of Fluconazole-Susceptible and Fluconazole-Resistant Clinical Isolates of <i>Candida</i> spp. to GW 471558. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 1905-1907.	3.2	8
96	Detection of Resistance to Amphotericin B in <i>Candida</i> Isolates by Using Iso-Sensitest Broth. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 2070-2074.	3.2	14
97	Inoculum Standardization for Antifungal Susceptibility Testing of Filamentous Fungi Pathogenic for Humans. <i>Journal of Clinical Microbiology</i> , 2001, 39, 1345-1347.	3.9	99
98	Susceptibility of fluconazole-resistant clinical isolates of <i>Candida</i> spp. to echinocandin LY303366, itraconazole and amphotericin B. <i>Journal of Antimicrobial Chemotherapy</i> , 2000, 46, 475-477.	3.0	56
99	Genetic Similarity among One <i>Aspergillus flavus</i> Strain Isolated from a Patient Who Underwent Heart Surgery and Two Environmental Strains Obtained from the Operating Room. <i>Journal of Clinical Microbiology</i> , 2000, 38, 2419-2422.	3.9	4
100	<i>Aspergillus fumigatus</i> <i>chsE</i> :A Gene Related to <i>CHS3</i> of <i>Saccharomyces cerevisiae</i> and Important for Hyphal Growth and Conidiophore Development but Not Pathogenicity. <i>Fungal Genetics and Biology</i> , 1997, 21, 141-152.	2.1	114
101	The <i>Aspergillus fumigatus</i> <i>chsC</i> and <i>chsG</i> genes encode Class III chitin synthases with different functions. <i>Molecular Microbiology</i> , 1996, 20, 667-679.	2.5	141
102	Cloning and characterization of <i>chsD</i> , a chitin synthase-like gene of <i>Aspergillus fumigatus</i> . <i>FEMS Microbiology Letters</i> , 1996, 143, 69-76.	1.8	59
103	A multigene family related to chitin synthase genes of yeast in the opportunistic pathogen <i>Aspergillus fumigatus</i> . <i>Molecular Genetics and Genomics</i> , 1995, 246, 353-359.	2.4	70
104	Antifungal Mechanisms of Action and Resistance. , 0 , , 457-466.		1
105	<i>Aspergillus</i> as a Human Pathogen: an Evolutionary Perspective. , 0 , , 591-601.		0