Dee A Carter

List of Publications by Year
in descending order

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109 papers	7,272 citations	53789 45 h-index	60616 81 g-index
117 all docs	117 docs citations	117 times ranked	7101 citing authors

#	Article	IF	Citations
1	Molecular markers reveal cryptic sex in the human pathogen Coccidioides immitis.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 770-773.	7.1	492
2	A photosynthetic alveolate closely related to apicomplexan parasites. Nature, 2008, 451, 959-963.	27.8	437
3	Phylogeography of the fungal pathogen Histoplasma capsulatum. Molecular Ecology, 2003, 12, 3383-3401.	3.9	303
4	Emergence and Pathogenicity of Highly Virulent Cryptococcus gattii Genotypes in the Northwest United States. PLoS Pathogens, 2010, 6, e1000850.	4.7	303
5	Development and Clinical Application of a Panfungal PCR Assay To Detect and Identify Fungal DNA in Tissue Specimens. Journal of Clinical Microbiology, 2007, 45, 380-385.	3.9	289
6	The evolutionary history of Symbiodinium and scleractinian hostsâ€”Symbiosis, diversity, and the effect of climate change. Perspectives in Plant Ecology, Evolution and Systematics, 2006, 8, 23-43.	2.7	274
7	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. PLoS Pathogens, 2016, 12, e1005763.	4.7	244
8	The unusual antibacterial activity of medical-grade Leptospermum honey: antibacterial spectrum, resistance and transcriptome analysis. European Journal of Clinical Microbiology and Infectious Diseases, 2009, 28, 1199-1208.	2.9	185
9	Genome Variation in Cryptococcus gattii, an Emerging Pathogen of Immunocompetent Hosts. MBio, 2011, 2, e00342-10.	4.1	182
10	The Antibacterial Activity of Honey Derived from Australian Flora. PLoS ONE, 2011, 6, e18229.	2.5	144
11	Honey has an antifungal effect againstCandidaspecies. Medical Mycology, 2006, 44, 289-291.	0.7	140
12	Climate change and the emergence of fungal pathogens. PLoS Pathogens, 2021, 17, e1009503.	4.7	139
13	Therapeutic Manuka Honey: No Longer So Alternative. Frontiers in Microbiology, 2016, 7, 569.	3.5	128
14	Latitudinal variability in symbiont specificity within the widespread scleractinian coral Plesiastrea versipora. Marine Biology, 2001, 138, 1175-1181.	1.5	126
15	Genetic variability of the symbiotic dinoflagellates from the wide ranging coral species Seriatopora hystrix and Acropora longicyathus in the Indo-West Pacific. Marine Ecology - Progress Series, 2001, 222, 97-107.	1.9	124
16	Manuka-type honeys can eradicate biofilms produced byStaphylococcus aureusstrains with different biofilm-forming abilities. PeerJ, 2014, 2, e326.	2.0	122
17	A comparison of the nature and abundance of microsatellites in 14 fungal genomes. Fungal Genetics and Biology, 2004, 41, 1025-1036.	2.1	117
18	Clonality and Recombination in Genetically Differentiated Subgroups of Cryptococcus gattii. Eukaryotic Cell, 2005, 4, 1403-1409.	3.4	117

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19	Stability of coralâ€“endosymbiont associations during and after a thermal stress event in the southern Great Barrier Reef. Coral Reefs, 2009, 28, 709-713.	2.2	114
20	Molecular genotype analysis of natural toxigenic and nontoxigenic isolates of Aspergillus flavus and A. parasiticus. Mycological Research, 1999, 103, 1485-1490.	2.5	113
21	Characterization of Mycorrhizal Isolates of Rhizoctonia solani from an Orchid, Including AG-12, a New Anastomosis Group. Phytopathology, 1999, 89, 942-946.	2.2	106
22	The Antifungal Activity of Lactoferrin and Its Derived Peptides: Mechanisms of Action and Synergy with Drugs against Fungal Pathogens. Frontiers in Microbiology, 2017, 8, 2.	3.5	100
23	Synergism between Medihoney and Rifampicin against Methicillin-Resistant Staphylococcus aureus (MRSA). PLoS ONE, 2013, 8, e57679.	2.5	91
24	The Effect of New Zealand Kanuka, Manuka and Clover Honeys on Bacterial Growth Dynamics and Cellular Morphology Varies According to the Species. PLoS ONE, 2013, 8, e55898.	2.5	88
25	Molecular markers reveal differentiation among isolates of Coccidioides immitis from California, Arizona and Texas. Molecular Ecology, 1997, 6, 781-786.	3.9	84
26	Isolates of Cryptococcus neoformans from Infected Animals Reveal Genetic Exchange in Unisexual, Î± Mating Type Populations. Eukaryotic Cell, 2008, 7, 1771-1780.	3.4	84
27	Comparative transcriptomic analyses of <scp>Z</scp>ymoseptoria tritici strains show complex lifestyle transitions and intraspecific variability in transcription profiles. Molecular Plant Pathology, 2016, 17, 845-859.	4.2	82
28	Symbiont acquisition strategy drives hostâ€“symbiont associations in the southern Great Barrier Reef. Coral Reefs, 2008, 27, 763-772.	2.2	81
29	Highly Recombinant VGII Cryptococcus gattii Population Develops Clonal Outbreak Clusters through both Sexual Macroevolution and Asexual Microevolution. MBio, 2014, 5, e01494-14.	4.1	81
30	Restriction fragment length polymorphisms of mitochondrial DNA of Phytophthora infestans. Mycological Research, 1990, 94, 1123-1128.	2.5	80
31	Evidence of Recombination in Mixed-Mating-Type and Î±-Only Populations of Cryptococcus gattii Sourced from Single Eucalyptus Tree Hollows. Eukaryotic Cell, 2008, 7, 727-734.	3.4	79
32	Clonal Reproduction and Limited Dispersal in an Environmental Population of Cryptococcus neoformans var. gattii Isolates from Australia. Journal of Clinical Microbiology, 2003, 41, 703-711.	3.9	78
33	Clinical and Environmental Isolates of Cryptococcus gattii from Australia That Retain Sexual Fecundity. Eukaryotic Cell, 2005, 4, 1410-1419.	3.4	76
34	In Vitro Susceptibility of the Yeast Pathogen Cryptococcus to Fluconazole and Other Azoles Varies with Molecular Genotype. Journal of Clinical Microbiology, 2010, 48, 4115-4120.	3.9	76
35	DNA sequencing with arbitrary primer pairs. Molecular Ecology, 1994, 3, 523-525.	3.9	69
36	Highly organized structure in the non-coding region of the psbA minicircle from clade C Symbiodinium. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 1725-1734.	1.7	69

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37	The effect of standard heat and filtration processing procedures on antimicrobial activity and hydrogen peroxide levels in honey. Frontiers in Microbiology, 2012, 3, 265.	3.5	69
38	First Reported Case of Cryptococcus gattii in the Southeastern USA: Implications for Travel-Associated Acquisition of an Emerging Pathogen. PLoS ONE, 2009, 4, e5851.	2.5	69
39	More missense in amyloid gene. Nature Genetics, 1992, 2, 255-256.	21.4	67
40	Honey can inhibit and eliminate biofilms produced by Pseudomonas aeruginosa. Scientific Reports, 2019, 9, 18160.	3.3	63
41	The Antibacterial Activity of Australian Leptospermum Honey Correlates with Methylglyoxal Levels. PLoS ONE, 2016, 11, e0167780.	2.5	61
42	Specific non-peroxide antibacterial effect of manuka honey on the Staphylococcus aureus proteome. International Journal of Antimicrobial Agents, 2012, 40, 43-50.	2.5	58
43	Clinical isolates of Histoplasma capsulatum from Indianapolis, Indiana, have a recombining population structure. Journal of Clinical Microbiology, 1996, 34, 2577-2584.	3.9	56
44	Synergy and antagonism between iron chelators and antifungal drugs in Cryptococcus. International Journal of Antimicrobial Agents, 2016, 48, 388-394.	2.5	54
45	Phenotypic Variability Correlates with Clinical Outcome in Cryptococcus Isolates Obtained from Botswanan HIV/AIDS Patients. MBio, 2018, 9, .	4.1	50
46	Possible Migration Routes into South America Deduced from Mitochondrial DNA Studies in Colombian Amerindian Populations. Human Biology, 2002, 74, 211-233.	0.2	48
47	Sexual Reproduction of Human Fungal Pathogens. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a019281-a019281.	6.2	45
48	Antibiotic-specific differences in the response of Staphylococcus aureus to treatment with antimicrobials combined with manuka honey. Frontiers in Microbiology, 2014, 5, 779.	3.5	44
49	Amplified Single-Nucleotide Polymorphisms and a (GA) Microsatellite Marker Reveal Genetic Differentiation between Populations of Histoplasma capsulatum from the Americas. Fungal Genetics and Biology, 2001, 34, 37-48.	2.1	42
50	Most Cases of Cryptococcal Meningitis in HIV-Uninfected Patients in Vietnam Are Due to a Distinct Amplified Fragment Length Polymorphism-Defined Cluster of Cryptococcus neoformans var. grubii VN1. Journal of Clinical Microbiology, 2011, 49, 658-664.	3.9	40
51	Phylogenetic placement and host specificity of mycorrhizal isolates belonging to AG-6 and AG-12 in the Rhizoctonia solani species complex. Mycologia, 2001, 93, 712-719.	1.9	38
52	Environmental sampling forCryptococcus neoformansvar.gattiifrom the Blue Mountains National Park, Sydney, Australia. Medical Mycology, 2002, 40, 53-60.	0.7	38
53	Survey of Vietnamese Peanuts, Corn and Soil for the Presence of Aspergillus flavus and Aspergillus parasiticus. Mycopathologia, 2009, 168, 257-268.	3.1	38
54	Repurposing drugs to fast-track therapeutic agents for the treatment of cryptococcosis. PeerJ, 2018, 6, e4761.	2.0	38

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55	The Detection of Nonhybrid, Trisomic, and Triploid Offspring in Sexual Progeny of a Mating of Phytophthora infestans. Fungal Genetics and Biology, 1999, 26, 198-208.	2.1	37
56	Genetic variation of the scleractinian coral Stylophora pistillata, from western Pacific reefs. Coral Reefs, 2003, 22, 17-22.	2.2	37
57	Rifampicin-Manuka Honey Combinations Are Superior to Other Antibiotic-Manuka Honey Combinations in Eradicating Staphylococcus aureus Biofilms. Frontiers in Microbiology, 2017, 8, 2653.	3.5	37
58	Antibacterial activity of honey from the Australian stingless bee Trigona carbonaria. International Journal of Antimicrobial Agents, 2008, 32, 89-90.	2.5	36
59	Overexpression of acetyl-CoA carboxylase in Aspergillus terreus to increase lovastatin production. New Biotechnology, 2018, 44, 64-71.	4.4	36
60	Surveillance for azole resistance in clinical and environmental isolates of Aspergillus fumigatus in Australia and cyp51A homology modelling of azole-resistant isolates. Journal of Antimicrobial Chemotherapy, 2018, 73, 2347-2351.	3.0	35
61	Looking for sex in the fungal pathogensCryptococcus neoformansandCryptococcus gattii. FEMS Yeast Research, 2006, 6, 588-598.	2.3	33
62	Potential Infection Control Risks Associated with Ultrasound Equipment â€“ A Bacterial Perspective. Ultrasound in Medicine and Biology, 2017, 43, 421-426.	1.5	33
63	Phylogenetic analysis of the light-harvesting system in Chromera velia. Photosynthesis Research, 2012, 111, 19-28.	2.9	32
64	Analysis of the internal transcribed spacer regions of ribosomal DNA in common airborne allergenic fungi. Electrophoresis, 1997, 18, 1567-1569.	2.4	31
65	A set of electrophoretic molecular markers for strain typing and population genetic studies ofHistoplasma capsulatum. Electrophoresis, 1997, 18, 1047-1053.	2.4	30
66	Molecular typing of pathogenic fungi. Medical Mycology, 2000, 38, 189-197.	0.7	30
67	Species in the Cryptococcus gattii Complex Differ in Capsule and Cell Size following Growth under Capsule-Inducing Conditions. MSphere, 2016, 1, .	2.9	29
68	Lactoferrin Is Broadly Active against Yeasts and Highly Synergistic with Amphotericin B. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	29
69	Phylogenetic Placement and Host Specificity of Mycorrhizal Isolates Belonging to AG-6 and AG-12 in the Rhizoctonia solani Species Complex. Mycologia, 2001, 93, 712.	1.9	28
70	Cryptococcus Strains with Different Pathogenic Potentials Have Diverse Protein Secretomes. Eukaryotic Cell, 2015, 14, 554-563.	3.4	28
71	Characterization of microsatellite loci in the aflatoxigenic fungi Aspergillus flavus and Aspergillus parasiticus. Molecular Ecology, 2000, 9, 2170-2172.	3.9	26
72	Reassessing therapeutic antibodies for neglected and tropical diseases. PLoS Neglected Tropical Diseases, 2020, 14, e0007860.	3.0	25

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73	Survey of Vietnamese coffee beans for the presence of ochratoxigenic Aspergilli. Mycopathologia, 2007, 163, 177-182.	3.1	21
74	Chromera velia. Advances in Applied Microbiology, 2013, 85, 119-144.	2.4	20
75	The antimicrobial efficacy of plasma-activated water against Listeria and E. coli is modulated by reactor design and water composition. Journal of Applied Microbiology, 2022, 132, 2490-2500.	3.1	20
76	Phenotypic Switching and Genetic Diversity of Cryptococcus neoformans. Journal of Clinical Microbiology, 2001, 39, 2060-2064.	3.9	19
77	Surface and Flagella Morphology of the Motile Form of Chromera velia Revealed by Field-Emission Scanning Electron Microscopy. Protist, 2011, 162, 142-153.	1.5	18
78	Transcriptome and network analyses in Saccharomyces cerevisiae reveal that amphotericin B and lactoferrin synergy disrupt metal homeostasis and stress response. Scientific Reports, 2017, 7, 40232.	3.3	18
79	Time-Course Proteome Analysis Reveals the Dynamic Response of Cryptococcus gattii Cells to Fluconazole. PLoS ONE, 2012, 7, e42835.	2.5	17
80	Development of polymorphic microsatellite markers for Cryptococcus neoformans. Molecular Ecology Resources, 2008, 8, 1136-1138.	4.8	16
81	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	15
82	Hypervirulence and cross-resistance to a clinical antifungal are induced by an environmental fungicide in Cryptococcus gattii. Science of the Total Environment, 2020, 740, 140135.	8.0	14
83	Effect of Nutrient Concentration and Salinity on Immotileâ€“Motile Transformation of Chromera velia. Journal of Eukaryotic Microbiology, 2010, 57, 444-446.	1.7	12
84	Improved lovastatin production by inhibiting (+)-geodin biosynthesis in Aspergillus terreus. New Biotechnology, 2019, 52, 19-24.	4.4	12
85	Cellular plasticity of pathogenic fungi during infection. PLoS Pathogens, 2020, 16, e1008571.	4.7	12
86	Multilocus variable-number tandem-repeat analysis of clinical isolates of Aspergillus flavus from Iran reveals the first cases of Aspergillus minisclerotigenesassociated with human infection. BMC Infectious Diseases, 2014, 14, 358.	2.9	11
87	A cost-effective colourimetric assay for quantifying hydrogen peroxide in honey. Access Microbiology, 2019, 1, e000065.	0.5	11
88	Augmenting Azoles with Drug Synergy to Expand the Antifungal Toolbox. Pharmaceuticals, 2022, 15, 482.	3.8	11
89	Veterinary Insights into Cryptococcosis Caused by Cryptococcus neoformans and Cryptococcus gattii. , 0, , 489-504.		10
90	Genetic structure of populations of Fusarium proliferatum in soils associated with Livistona mariae palms in Little Palm Creek, Northern Territory, Australia. Australian Journal of Botany, 2004, 52, 543.	0.6	9

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91	The Development of Genetic Markers from Fungal Genome Initiatives. Applied Mycology and Biotechnology, 2004, 4, 1-27.	0.3	8
92	Diversity of the Trichocomaceae in the Katandra Nature Reserve, Central Coast, NSW, Australia. Mycological Research, 2005, 109, 964-973.	2.5	8
93	Increasing Lovastatin Production by Re-routing the Precursors Flow of Aspergillus terreus via Metabolic Engineering. Molecular Biotechnology, 2022, 64, 90-99.	2.4	8
94	Predominance of Trichophyton interdigitale Revealed in Podiatric Nail Dust Collections in Eastern Australia. Mycopathologia, 2019, 185, 175-185.	3.1	7
95	Lineages Derived from Cryptococcus neoformans Type Strain H99 Support a Link between the Capacity to Be Pleomorphic and Virulence. MBio, 2022, 13, e0028322.	4.1	7
96	Inhibition of Dermatophyte Fungi by Australian Jarrah Honey. Pathogens, 2021, 10, 194.	2.8	6
97	No mutation in codon 713 of the amyloid precursor gene in schizophrenic patients. Human Molecular Genetics, 1993, 2, 321-321.	2.9	5
98	Different Pathways Mediate Amphotericin-Lactoferrin Drug Synergy in Cryptococcus and Saccharomyces. Frontiers in Microbiology, 2019, 10, 2195.	3.5	5
99	The Antifungal and Synergistic Effect of Bisphosphonates in Cryptococcus. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	5
100	Lactoferrin-Derived Peptide Lactofungin Is Potently Synergistic with Amphotericin B. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	4
101	Factors affecting the production and measurement of hydrogen peroxide in honey samples. Access Microbiology, 2021, 3, 000198.	0.5	4
102	Isolation of Complete Chloroplasts from Chromera Velia â€" the Photosynthetic Relative of Parasitic Apicomplexa. Advanced Topics in Science and Technology in China, 2013, , 436-439.	0.1	3
103	Sexual Reproduction of Cryptococcus gattii: a Population Genetics Perspective. , 0, , 299-311.		2
104	You are what you secrete: extracellular proteins and virulence in Cryptococcus. Microbiology Australia, 2015, 36, 93.	0.4	2
105	Mixing postharvest fungicides and sanitizers results in unpredictable survival of microbes that affect cantaloupes. Food Microbiology, 2021, 99, 103797.	4.2	1
106	Sex in Natural Populations of Cryptococcus gattii. , 0, , 477-488.		1
107	Low Prevalence of Azole Resistance in Aspergillus fumigatus in Australia, and Molecular Characterisation of-Resistant Isolates. Open Forum Infectious Diseases, 2017, 4, S132-S133.	0.9	0
108	Report from ASM 2015: One Microbiology. Microbiology Australia, 2015, 36, 136.	0.4	0

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109	Characterization of microsatellite loci in the aflatoxigenic fungi Aspergillus flavus and Aspergillus parasiticus. Molecular Ecology, 2000, 9, 2170-2172.	3.9	0