

Melanie T Cushion

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116
papers

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31
h-index

48
g-index

128
ext. papers

3,192
ext. citations

4.7
avg, IF

4.97
L-index

#	Paper	IF	Citations
116	Pneumocystis carinii: sequence from ribosomal RNA implies a close relationship with fungi. <i>Experimental Parasitology</i> , 1989 , 68, 450-61	2.1	160
115	Reliability of calcein acetoxymethyl ester and ethidium homodimer or propidium iodide for viability assessment of microbes. <i>Journal of Microbiological Methods</i> , 1993 , 17, 1-16	2.8	110
114	Echinocandin treatment of pneumocystis pneumonia in rodent models depletes cysts leaving trophic burdens that cannot transmit the infection. <i>PLoS ONE</i> , 2010 , 5, e8524	3.7	108
113	Pneumocystis and Trypanosoma cruzi: nomenclature and typifications. <i>Journal of Eukaryotic Microbiology</i> , 2006 , 53, 2-11	3.6	96
112	Molecular genetic distinction of Pneumocystis carinii from rats and humans. <i>Journal of Eukaryotic Microbiology</i> , 1993 , 40, 733-41	3.6	92
111	Pneumocystis carinii: growth variables and estimates in the A549 and WI-38 VA13 human cell lines. <i>Experimental Parasitology</i> , 1985 , 60, 43-54	2.1	80
110	Phylogenomic analyses support the monophyly of Taphrinomycotina, including Schizosaccharomyces fission yeasts. <i>Molecular Biology and Evolution</i> , 2009 , 26, 27-34	8.3	77
109	The ste3 pheromone receptor gene of Pneumocystis carinii is surrounded by a cluster of signal transduction genes. <i>Genetics</i> , 2001 , 157, 991-1002	4	77
108	Biofilm formation by Pneumocystis spp. <i>Eukaryotic Cell</i> , 2009 , 8, 197-206		74
107	Phylogenetic identification of Pneumocystis murina sp. nov., a new species in laboratory mice. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 1153-1165	2.9	65
106	Pneumocystis: not just pneumonia. <i>Current Opinion in Microbiology</i> , 2005 , 8, 393-8	7.9	51
105	Gene arrays at Pneumocystis carinii telomeres. <i>Genetics</i> , 2005 , 170, 1589-600	4	51
104	Widespread occurrence of Pneumocystis carinii in commercial rat colonies detected using targeted PCR and oral swabs. <i>Journal of Clinical Microbiology</i> , 2001 , 39, 3437-41	9.7	51
103	The genome of Pneumocystis carinii. <i>FEMS Immunology and Medical Microbiology</i> , 1998 , 22, 15-26		50
102	Molecular and phenotypic description of Pneumocystis wakefieldiae sp. nov., a new species in rats. <i>Mycologia</i> , 2004 , 96, 429-438	2.4	50
101	Early acquisition of Pneumocystis carinii in neonatal rats as evidenced by PCR and oral swabs. <i>Eukaryotic Cell</i> , 2002 , 1, 414-9		50
100	Pneumocystis carinii: immunoblotting and immunofluorescent analyses of serum antibodies during experimental rat infection and recovery. <i>Experimental Parasitology</i> , 1987 , 63, 319-28	2.1	50

99	Transcriptome of <i>Pneumocystis carinii</i> during fulminate infection: carbohydrate metabolism and the concept of a compatible parasite. <i>PLoS ONE</i> , 2007 , 2, e423	3.7	50
98	The Celecoxib Derivative AR-12 Has Broad-Spectrum Antifungal Activity In Vitro and Improves the Activity of Fluconazole in a Murine Model of Cryptococcosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 7115-7127	5.9	50
97	<i>Pneumocystis carinii</i> : surface reactive carbohydrates detected by lectin probes. <i>Experimental Parasitology</i> , 1988 , 67, 137-47	2.1	46
96	In vitro studies of <i>Pneumocystis carinii</i> . <i>Journal of Protozoology</i> , 1989 , 36, 45-52		43
95	Analysis of <i>Pneumocystis carinii</i> cyst wall. II. Sugar composition. <i>Journal of Protozoology</i> , 1990 , 37, 436-41		43
94	<i>Pneumocystis</i> : unraveling the cloak of obscurity. <i>Trends in Microbiology</i> , 2004 , 12, 243-9	12.4	42
93	Inhibitors of sterol biosynthesis and amphotericin B reduce the viability of <i>pneumocystis carinii</i> f. sp. <i>carinii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000 , 44, 1630-8	5.9	42
92	Stealth and opportunism: alternative lifestyles of species in the fungal genus <i>Pneumocystis</i> . <i>Annual Review of Microbiology</i> , 2010 , 64, 431-52	17.5	41
91	Analysis of <i>Pneumocystis carinii</i> cyst wall. I. Evidence for an outer surface membrane. <i>Journal of Protozoology</i> , 1990 , 37, 428-35		40
90	Are members of the fungal genus <i>pneumocystis</i> (a) commensals; (b) opportunists; (c) pathogens; or (d) all of the above?. <i>PLoS Pathogens</i> , 2010 , 6, e1001009	7.6	39
89	Therapeutic potential of caspofungin combined with trimethoprim-sulfamethoxazole for <i>pneumocystis pneumonia</i> : a pilot study in mice. <i>PLoS ONE</i> , 2013 , 8, e70619	3.7	39
88	Parallel solution-phase synthesis of conformationally restricted congeners of pentamidine and evaluation of their antiplasmodial activities. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 2700-5	8.3	35
87	Imidazoquinones as antimalarial and antipneumocystis agents. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 7800-7	8.3	32
86	Susceptibility of <i>Pneumocystis</i> to echinocandins in suspension and biofilm cultures. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 4513-8	5.9	32
85	Genetic heterogeneity of rat-derived <i>Pneumocystis</i> . <i>FEMS Immunology and Medical Microbiology</i> , 1998 , 22, 51-8		31
84	Novel bisbenzimidazoles with antileishmanial effectiveness. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 2658-61	2.9	31
83	Effects of atovaquone and diospyrin-based drugs on the cellular ATP of <i>Pneumocystis carinii</i> f. sp. <i>carinii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000 , 44, 713-9	5.9	31
82	Anti- <i>Pneumocystis carinii</i> and antiplasmodial activities of primaquine-derived imidazolidin-4-ones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 485-8	2.9	29

81	Highly active anti-Pneumocystis carinii compounds in a library of novel piperazine-linked bisbenzamidines and related compounds. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 4209-16	5.9	28
80	In vitro selection and in vivo efficacy of piperazine- and alkanediamide-linked bisbenzamidines against Pneumocystis pneumonia in mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 2337-43	5.9	26
79	Sterol biosynthesis and sterol uptake in the fungal pathogen Pneumocystis carinii. <i>FEMS Microbiology Letters</i> , 2010 , 311, 1-9	2.9	25
78	Cellular and molecular biology of Pneumocystis carinii. <i>International Review of Cytology</i> , 1991 , 131, 59-107		25
77	PRIMACENES: novel non-cytotoxic primaquine-ferrocene conjugates with anti-Pneumocystis carinii activity. <i>MedChemComm</i> , 2010 , 1, 199	5	24
76	Novel bisbenzamidines as potential drug candidates for the treatment of Pneumocystis carinii pneumonia. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 4545-8	2.9	23
75	Fine analysis of the Pneumocystis carinii f. sp. carinii genome by two-dimensional pulsed-field gel electrophoresis. <i>Gene</i> , 2002 , 293, 87-95	3.8	23
74	Diversity at the locus associated with transcription of a variable surface antigen of Pneumocystis carinii as an index of population structure and dynamics in infected rats. <i>Infection and Immunity</i> , 2003 , 71, 47-60	3.7	23
73	Latent Pneumocystis carinii infection in commercial rat colonies: comparison of inductive immunosuppressants plus histopathology, PCR, and serology as detection methods. <i>Journal of Clinical Microbiology</i> , 1999 , 37, 1441-6	9.7	23
72	Synthesis and SAR of alkanediamide-linked bisbenzamidines with anti-trypanosomal and anti-pneumocystis activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 5884-6	2.9	22
71	Comparative genomics of pneumocystis species suggests the absence of genes for myo-inositol synthesis and reliance on inositol transport and metabolism. <i>MBio</i> , 2014 , 5, e01834	7.8	21
70	Proposal for a Pneumocystis genome project. <i>Journal of Eukaryotic Microbiology</i> , 1997 , 44, 7S	3.6	20
69	Draft assembly and annotation of the Pneumocystis carinii genome. <i>Journal of Eukaryotic Microbiology</i> , 2006 , 53 Suppl 1, S89-91	3.6	20
68	Molecular and Phenotypic Description of Pneumocystis wakefieldiae sp. nov., a New Species in Rats. <i>Mycologia</i> , 2004 , 96, 429	2.4	19
67	Molecular and phenotypic description of Pneumocystis wakefieldiae sp. nov., a new species in rats. <i>Mycologia</i> , 2004 , 96, 429-38	2.4	19
66	Preclinical drug discovery for new anti-pneumocystis compounds. <i>Current Medicinal Chemistry</i> , 2009 , 16, 2514-30	4.3	18
65	Sequence and structure of the linear mitochondrial genome of Pneumocystis carinii. <i>Molecular Genetics and Genomics</i> , 2010 , 283, 63-72	3.1	17
64	Comparative genomics of Pneumocystis carinii with other protists: implications for life style. <i>Journal of Eukaryotic Microbiology</i> , 2004 , 51, 30-7	3.6	17

63	Cultivation of <i>Pneumocystis carinii</i> in lung-derived cell lines. <i>Journal of Infectious Diseases</i> , 1984 , 149, 644	7	17
62	Characterization of a distinct host response profile to <i>Pneumocystis murina</i> asci during clearance of pneumocystis pneumonia. <i>Infection and Immunity</i> , 2013 , 81, 984-95	3.7	16
61	Analysis of current antifungal agents and their targets within the <i>Pneumocystis carinii</i> genome. <i>Current Drug Targets</i> , 2012 , 13, 1575-85	3	16
60	Analogues of pentamidine as potential anti- <i>Pneumocystis</i> chemotherapeutics. <i>European Journal of Medicinal Chemistry</i> , 2012 , 48, 164-73	6.8	14
59	Assembly and annotation of <i>Pneumocystis jirovecii</i> from the human lung microbiome. <i>MBio</i> , 2013 , 4, e00224	7.8	14
58	Evidence for multiple sterol methyl transferase pathways in <i>Pneumocystis carinii</i> . <i>Lipids</i> , 2002 , 37, 1177-86	4.6	14
57	Is sex necessary for the proliferation and transmission of <i>Pneumocystis</i> ?. <i>PLoS Pathogens</i> , 2018 , 14, e1007409	7.4	14
56	<i>Pneumocystis murina</i> MSG gene family and the structure of the locus associated with its transcription. <i>Fungal Genetics and Biology</i> , 2007 , 44, 905-19	3.9	13
55	Stability of four genetic loci in <i>Pneumocystis carinii</i> sp. f. <i>carinii</i> . <i>Journal of Eukaryotic Microbiology</i> , 1996 , 43, 49S	3.6	13
54	Gene Expression of <i>Pneumocystis murina</i> after Treatment with Anidulafungin Results in Strong Signals for Sexual Reproduction, Cell Wall Integrity, and Cell Cycle Arrest, Indicating a Requirement for Ascus Formation for Proliferation. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	13
53	Competitive coexistence of two <i>Pneumocystis</i> species. <i>Infection, Genetics and Evolution</i> , 2006 , 6, 177-86	4.5	12
52	Summary of <i>Pneumocystis</i> research presented at the 7th International Workshop on Opportunistic Protists. <i>Journal of Eukaryotic Microbiology</i> , 2001 , Suppl, 101S-105S	3.6	12
51	Time between inoculations and karyotype forms of <i>Pneumocystis carinii</i> f. sp. <i>Carinii</i> influence outcome of experimental coinfections in rats. <i>Infection and Immunity</i> , 2001 , 69, 97-107	3.7	12
50	A New Name (<i>Pneumocystis jirovecii</i>) for <i>Pneumocystis</i> from Humans (Response to Hughes). <i>Emerging Infectious Diseases</i> , 2003 , 9, 277-279	10.2	12
49	Efficacy of Rezafungin in Prophylactic Mouse Models of Invasive Candidiasis, Aspergillosis, and Pneumonia. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	12
48	Constructing a physical map of the <i>Pneumocystis</i> genome. <i>Journal of Eukaryotic Microbiology</i> , 1997 , 44, 8S	3.6	11
47	Standardization of an in vitro drug screening assay by use of cryopreserved and characterized <i>Pneumocystis carinii</i> populations. <i>Journal of Eukaryotic Microbiology</i> , 2001 , Suppl, 178S-179S	3.6	11
46	Rapid PCR-single-strand conformation polymorphism method to differentiate and estimate relative abundance of <i>Pneumocystis carinii</i> special forms infecting rats. <i>Journal of Clinical Microbiology</i> , 2001 , 39, 4563-5	9.7	10

45	Ultrastructural Observations on Life Cycle Stages of <i>Pneumocystis carinii</i> . <i>Journal of Protozoology</i> , 1989 , 36, 53s-54s		9
44	Antitumor and Anti- <i>Pneumocystis Carinii</i> Activities of Novel Bisbenzamidines. <i>Medicinal Chemistry Research</i> , 2005 , 14, 143-157	2.2	8
43	Validation of the name <i>Pneumocystis wakefieldiae</i> . <i>Mycologia</i> , 2005 , 97, 268-268	2.4	8
42	The pneumocystis genome project: update and issues. <i>Journal of Eukaryotic Microbiology</i> , 2001 , Suppl, 182S-183S	3.6	8
41	Mapping by sequencing the <i>Pneumocystis</i> genome using the ordering DNA sequences V3 tool. <i>Genetics</i> , 2003 , 163, 1299-313	4	8
40	Noninvasive method for monitoring <i>Pneumocystis carinii</i> pneumonia. <i>Emerging Infectious Diseases</i> , 2003 , 9, 1613-6	10.2	7
39	Three new karyotype forms of <i>Pneumocystis carinii</i> f. sp. <i>carinii</i> identified by contoured clamped homogeneous electrical field (CHEF) electrophoresis. <i>Journal of Eukaryotic Microbiology</i> , 2001 , Suppl, 109S-110S	3.6	7
38	Early acquisition of <i>Pneumocystis carinii</i> in neonatal rats using targeted PCR and oral swabs. <i>Journal of Eukaryotic Microbiology</i> , 2001 , Suppl, 135S-136S	3.6	7
37	Immunobiology of <i>Pneumocystis carinii</i> . <i>Pathology and Immunopathology Research</i> , 1989 , 8, 127-40		7
36	Molecular biology of <i>Pneumocystis carinii</i> . <i>Annals of the New York Academy of Sciences</i> , 1990 , 616, 415-20	6.5	7
35	Functional characterization and localization of <i>Pneumocystis carinii</i> lanosterol synthase. <i>Eukaryotic Cell</i> , 2010 , 9, 107-15		6
34	Interactions between 2 <i>Pneumocystis</i> populations within the same host. <i>Journal of Eukaryotic Microbiology</i> , 1997 , 44, 9S	3.6	6
33	In vitro and in vivo effects of quinupristin-dalfopristin against <i>Pneumocystis carinii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2001 , 45, 3234-7	5.9	6
32	Flow Cytometric Analyses of Lectin Binding to <i>Pneumocystis carinii</i> Surface Carbohydrates. <i>Journal of Parasitology</i> , 1992 , 78, 271	0.9	6
31	Functional Characterization of <i>Pneumocystis carinii</i> Inositol Transporter 1. <i>MBio</i> , 2016 , 7,	7.8	6
30	Chloroquine Analogues as Leads against <i>Pneumocystis</i> Lung Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	6
29	Large-scale characterization of introns in the <i>Pneumocystis carinii</i> genome. <i>Journal of Eukaryotic Microbiology</i> , 2006 , 53 Suppl 1, S151-3	3.6	5
28	A Survey of Birds in Denmark for the Presence of <i>Pneumocystis carinii</i> . <i>Avian Diseases</i> , 1994 , 38, 1	1.6	5

27	Serology and P carinii. <i>Chest</i> , 1987 , 91, 935-6	5.3	5
26	Genomic insights into the host specific adaptation of the Pneumocystis genus. <i>Communications Biology</i> , 2021 , 4, 305	6.7	5
25	A quantitative systems pharmacology (QSP) model for Pneumocystis treatment in mice. <i>BMC Systems Biology</i> , 2018 , 12, 77	3.5	4
24	The 12th International Workshops on Opportunistic Protists (IWOP-12). <i>Journal of Eukaryotic Microbiology</i> , 2013 , 60, 298-308	3.6	4
23	Generation of sequencing libraries for the Pneumocystis Genome project. <i>Journal of Eukaryotic Microbiology</i> , 2003 , 50 Suppl, 663-5	3.6	4
22	Validation of the name Pneumocystis wakefieldiae. <i>Mycologia</i> , 2005 , 97, 268-268	2.4	4
21	The 14th International Workshops on Opportunistic Protists (IWOP 14). <i>Journal of Eukaryotic Microbiology</i> , 2018 , 65, 934-939	3.6	3
20	Microaerophilic conditions increase viability and affect responses of Pneumocystis carinii to drugs in vitro. <i>Journal of Eukaryotic Microbiology</i> , 2006 , 53 Suppl 1, S117-8	3.6	3
19	Summary of the Pneumocystis Research Presented at the 6th International Workshop on Opportunistic Protists. <i>Journal of Eukaryotic Microbiology</i> , 1999 , 46, 85s-152s	3.6	3
18	Rezafungin Prevention of Pneumocystis Pneumonia and Pneumocystis reactivation Using Different Doses and Durations of Prophylaxis in a Mouse Model. <i>Blood</i> , 2019 , 134, 3266-3266	2.2	3
17	Diversity and Complexity of the Large Surface Protein Family in the Compacted Genomes of Multiple Species. <i>MBio</i> , 2020 , 11,	7.8	3
16	The Long-Acting Echinocandin, Rezafungin, Prevents Pneumocystis Pneumonia and Eliminates Pneumocystis from the Lungs in Prophylaxis and Murine Treatment Models. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	3
15	The state of research for AIDS-associated opportunistic infections and the importance of sustaining smaller research communities. <i>Eukaryotic Cell</i> , 2012 , 11, 90-7		2
14	The International Workshops on Opportunistic Protists. <i>Journal of Eukaryotic Microbiology</i> , 2006 , 53 Suppl 1, S1-7	3.6	2
13	Sequence of the mitochondrial genome of Pneumocystis carinii: implications for biological function and identification of potential drug targets. <i>Journal of Eukaryotic Microbiology</i> , 2006 , 53 Suppl 1, S154-5	3.6	2
12	Kinetics of 2 genetically distinct Pneumocystis carinii populations in rat colonies. <i>Journal of Eukaryotic Microbiology</i> , 1996 , 43, 46S	3.6	2
11	Pneumocystis 2006: summary of the research presented at the ninth International Workshop on Opportunistic Protists. <i>Journal of Eukaryotic Microbiology</i> , 2006 , 53 Suppl 1, S80-4	3.6	1
10	Expression profiling of the responses of Pneumocystis carinii to drug treatment using DNA microarrays. <i>Journal of Eukaryotic Microbiology</i> , 2003 , 50 Suppl, 605-6	3.6	1

- 9 Ash, L. R. & Orihel, T. C. 1990. Atlas of Human Parasitology, 3rd ed. American Society of Clinical Pathologists, Chicago. ISBN 0-89189-292-3 (hardcover). 272 pp. £118.00.. *Journal of Protozoology*, **1992**, 39, 741-742 1
- 8 II. The genome of *Pneumocystis carinii* 1
- 7 The Persistent Challenge of *Pneumocystis* Growth Outside the Mammalian Lung: Past and Future Approaches. *Frontiers in Microbiology*, **2021**, 12, 681474 5:7 1
- 6 Advances in Genomics Research of *Pneumocystis* Species **2021**, 687-694 0
- 5 A Novel Encochleated Formulation Improves Atovaquone Activity in a Murine Model of *Pneumocystis* Pneumonia. *Journal of Infectious Diseases*, **2021**, 224, 326-331 7
- 4 Reply to Nevez et al., "The Fascinating Echinocandin-Treated Mouse Model of *Pneumocystis murina* To Understand *Pneumocystis jirovecii*". *Antimicrobial Agents and Chemotherapy*, **2018**, 62, 5:9
- 3 A Method for Isolation of RNA from *Pneumocystis carinii*. *Journal of Protozoology*, **1989**, 36, 12s-14s
- 2 Pathogenesis of *Pneumocystis* 347-361
- 1 *Pneumocystis* 2015-2029