# Carolina H Pohl

List of Publications by Year
in descending order



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|---|---|---|---|
| 103 papers | 1,624 citations | 304701 22 h-index | 395678 33 g-index |
| 104 all docs | 104 docs citations | 104 times ranked | 1959 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reactive oxygen species as potential antiviral targets. Reviews in Medical Virology, 2022, 32, . | 8.3 | 21 |
| 2 | Rotavirus-Mediated Prostaglandin E2 Production in MA104 Cells Promotes Virus Attachment and Internalisation, Resulting in an Increased Viral Load. Frontiers in Physiology, 2022, 13, 805565. | 2.8 | 2 |
| 3 | Cryptococcal Protease(s) and the Activation of SARS-CoV-2 Spike (S) Protein. Cells, 2022, 11, 437. | 4.1 | 6 |
| 4 | Recent Advances and Opportunities in the Study of Candida albicans Polymicrobial Biofilms. Frontiers in Cellular and Infection Microbiology, 2022, 12, 836379. | 3.9 | 18 |
| 5 | Competition for Iron during Polymicrobial Infections May Increase Antifungal Drug Susceptibilityâ€"How Will It Impact Treatment Options?. Infection and Immunity, 2022, 90, e0005722. | 2.2 | 3 |
| 6 | The Potential of Single-Cell Oils Derived From Filamentous Fungi as Alternative Feedstock Sources for Biodiesel Production. Frontiers in Microbiology, 2021, 12, 637381. | 3.5 | 34 |
| 7 | Transcriptional response of <i>Candida albicans</i> to <i>Pseudomonas aeruginosa</i> in a polymicrobial biofilm. G3: Genes, Genomes, Genetics, 2021, 11, . | 1.8 | 8 |
| 8 | Role of the high-affinity reductive iron acquisition pathway of <i>Candida albicans</i> in prostaglandin E2 production, virulence, and interaction with <i>Pseudomonas aeruginosa</i>. Medical Mycology, 2021, 59, 869-881. | 0.7 | 9 |
| 9 | The Repurposing of Acetylsalicylic Acid as a Photosensitiser to Inactivate the Growth of Cryptococcal Cells. Pharmaceuticals, 2021, 14, 404. | 3.8 | 3 |
| 10 | Candida albicans SET3 Plays a Role in Early Biofilm Formation, Interaction With Pseudomonas aeruginosa and Virulence in Caenorhabditis elegans. Frontiers in Cellular and Infection Microbiology, 2021, 11, 680732. | 3.9 | 8 |
| 11 | The role of lipid droplets in microbial pathogenesis. Journal of Medical Microbiology, 2021, 70, . | 1.8 | 10 |
| 12 | Risk Factors for Fungal Co-Infections in Critically Ill COVID-19 Patients, with a Focus on Immunosuppressants. Journal of Fungi (Basel, Switzerland), 2021, 7, 545. | 3.5 | 35 |
| 13 | Editorial: Fungal Biofilms in Infection and Disease. Frontiers in Cellular and Infection Microbiology, 2021, 11, 753650. | 3.9 | 2 |
| 14 | Inhibitory effect of polyunsaturated fatty acids alone or in combination with fluconazole on <i>Candida krusei</i> biofilms <i>in vitro</i> and in <i>Caenorhabditis elegans</i>. Medical Mycology, 2021, 59, 1225-1237. | 0.7 | 8 |
| 15 | The Repurposing of the Antimalaria Drug, Primaquine, as a Photosensitizer to Inactivate Cryptococcal Cells. Photochem, 2021, 1, 275-286. | 2.2 | 1 |
| 16 | The first survey of cryptococcal cells in bird droppings across Bloemfontein, South Africa. Veterinary World, 2021, 14, 2739-2744. | 1.7 | 0 |
| 17 | A review on molecular docking analysis of phytocompounds against SARS-CoV-2 druggable targets. International Journal of Transgender Health, 2021, 14, 1100-1128. | 2.3 | 6 |
| 18 | Caenorhabditis elegans as a model animal for investigating fungal pathogenesis. Medical Microbiology and Immunology, 2020, 209, 1-13. | 4.8 | 22 |

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|---|---|---|---|
| 19 | Evaluations of biocidal potential of Euclea crispa stem bark extract and ability to compromise the integrity of microbial cell membrane. Journal of Herbal Medicine, 2020, 21, 100304. | 2.0 | 2 |
| 20 | Transcriptome Analyses of Candida albicans Biofilms, Exposed to Arachidonic Acid and Fluconazole, Indicates Potential Drug Targets. G3: Genes, Genomes, Genetics, 2020, 10, 3099-3108. | 1.8 | 11 |
| 21 | Synthesis and function of fatty acids and oxylipins, with a focus on Caenorhabditis elegans. Prostaglandins and Other Lipid Mediators, 2020, 148, 106426. | 1.9 | 9 |
| 22 | Environmental Factors That Contribute to the Maintenance of Cryptococcus neoformans Pathogenesis. Microorganisms, 2020, 8, 180. | 3.6 | 16 |
| 23 | Evaluation of Fresh Water Actinomycete Bioflocculant and Its Biotechnological Applications in Wastewaters Treatment and Removal of Heavy Metals. International Journal of Environmental Research and Public Health, 2019, 16, 3337. | 2.6 | 22 |
| 24 | Beyond Antagonism: The Interaction Between Candida Species and Pseudomonas aeruginosa. Journal of Fungi (Basel, Switzerland), 2019, 5, 34. | 3.5 | 43 |
| 25 | Bioflocculant production from Streptomyces platensis and its potential for river and waste water treatment. Brazilian Journal of Microbiology, 2018, 49, 731-741. | 2.0 | 34 |
| 26 | Functional Characterization of Cryptococcal Genes: Then and Now. Frontiers in Microbiology, 2018, 9, 2263. | 3.5 | 1 |
| 27 | Copper Acyl Salicylate Has Potential as an Anti-Cryptococcus Antifungal Agent. Antimicrobial Agents and Chemotherapy, 2018, 62, . | 3.2 | 7 |
| 28 | Significance of combination therapy between Euclea crispa (Thunb.) (leaf and stem bark) extracts and standard antibiotics against drug resistant bacteria. South African Journal of Botany, 2018, 118, 203-208. | 2.5 | 1 |
| 29 | Iron at the Centre of Candida albicans Interactions. Frontiers in Cellular and Infection Microbiology, 2018, 8, 185. | 3.9 | 72 |
| 30 | Production of single cell oil from cane molasses by Rhodotorula kratochvilovae (syn,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (Rhod | 2.6 | 26 |
| 31 | Pseudomonas aeruginosa produces aspirin insensitive eicosanoids and contributes to the eicosanoid profile of polymicrobial biofilms with Candida albicans. Prostaglandins Leukotrienes and Essential Fatty Acids, 2017, 117, 36-46. | 2.2 | 14 |
| 32 | Genome-wide functional analysis in<i>Candida albicans</i>. Virulence, 2017, 8, 1563-1579. | 4.4 | 18 |
| 33 | Time-kill kinetics and biocidal effect of Euclea crispa leaf extracts against microbial membrane. Asian Pacific Journal of Tropical Medicine, 2017, 10, 390-399. | 0.8 | 11 |
| 34 | Optimization of cultivation conditions for biotechnological production of lipid by Rhodotorula kratochvilovae (syn, Rhodosporidium kratochvilovae) SY89 for biodiesel preparation. 3 Biotech, 2017, 7, 145. | 2.2 | 50 |
| 35 | Flocculating performance of a bioflocculant produced by Arthrobacter humicola in sewage waste water treatment. BMC Biotechnology, 2017, 17, 51. | 3.3 | 33 |
| 36 | Prostaglandin E2 As a Modulator of Viral Infections. Frontiers in Physiology, 2017, 8, 89. | 2.8 | 82 |

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|---|---|---|---|
| 37 | Elucidation of the Role of 3-Hydroxy Fatty Acids in Cryptococcus-amoeba Interactions. Frontiers in Microbiology, 2017, 8, 765. | 3.5 | 7 |
| 38 | The Repurposing of Anti-Psychotic Drugs, Quetiapine and Olanzapine, as Anti-Cryptococcus Drugs. Frontiers in Microbiology, 2017, 8, 815. | 3.5 | 18 |
| 39 | Candida albicans and Pseudomonas aeruginosa Interaction, with Focus on the Role of Eicosanoids. Frontiers in Physiology, 2016, 7, 64. | 2.8 | 77 |
| 40 | Oleaginous yeasts from Ethiopia. AMB Express, 2016, 6, 78. | 3.0 | 15 |
| 41 | Repurposing of Aspirin and Ibuprofen as Candidate Anti-Cryptococcus Drugs. Antimicrobial Agents and Chemotherapy, 2016, 60, 4799-4808. | 3.2 | 47 |
| 42 | Method for identification ofCryptococcus neoformansandCryptococcus gattiiuseful in resource-limited settings. Journal of Clinical Pathology, 2016, 69, 352-357. | 2.0 | 7 |
| 43 | A Review of the Application of Biofloccualnts in Wastewater Treatment. Polish Journal of Environmental Studies, 2016, 25, 1381-1389. | 1.2 | 27 |
| 44 | Cryptococcal 3-Hydroxy Fatty Acids Protect Cells Against Amoebal Phagocytosis. Frontiers in Microbiology, 2015, 6, 1351. | 3.5 | 9 |
| 45 | Candida albicans mutant construction and characterization of selected virulence determinants. Journal of Microbiological Methods, 2015, 115, 153-165. | 1.6 | 7 |
| 46 | Virulence of South African Candida albicans strains isolated from different clinical samples. Medical Mycology, 2014, 52, 246-253. | 0.7 | 6 |
| 47 | Oxidized Fatty Acids as Inter-Kingdom Signaling Molecules. Molecules, 2014, 19, 1273-1285. | 3.8 | 39 |
| 48 | Auger-Architectomics: Introducing a New Nanotechnology to Infectious Disease. Advances in Experimental Medicine and Biology, 2014, 807, 1-8. | 1.6 | 5 |
| 49 | Phenothiazine is a potent inhibitor of prostaglandin E2production byCandida albicansbiofilms. FEMS Yeast Research, 2013, 13, 849-855. | 2.3 | 10 |
| 50 | The â€œfiring cannonsâ€•of <i>Dipodascopsis</i> <i>uninucleata</i> var. <i>uninucleata</i>. Canadian Journal of Microbiology, 2013, 59, 413-416. | 1.7 | 3 |
| 51 | Trichosporon vanderwaltii sp. nov., an asexual basidiomycetous yeast isolated from soil and beetles. Antonie Van Leeuwenhoek, 2013, 103, 313-319. | 1.7 | 11 |
| 52 | Chloroquine, an Antifungal but Also a Fertility Drug. Antimicrobial Agents and Chemotherapy, 2013, 57, 5786-5786. | 3.2 | 0 |
| 53 | Intracellular gas bubbles deform organelles in fermenting brewing yeasts. Journal of the Institute of Brewing, 2013, 119, 15-16. | 2.3 | 4 |
| 54 | Yeast Sensors for Novel Drugs: Chloroquine and Others Revealed. Sensors, 2012, 12, 13058-13074. | 3.8 | 5 |

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|---|---|---|---|
| 55 | Polyunsaturated fatty acids cause apoptosis in C. albicans and C. dubliniensis biofilms. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1463-1468. | 2.4 | 42 |
| 56 | Gas bubble formation in the cytoplasm of a fermenting yeast. FEMS Yeast Research, 2012, 12, 867-869. | 2.3 | 11 |
| 57 | Stearidonic acid acts in synergism with amphotericin B in inhibiting Candida albicans and Candida dubliniensis biofilms in vitro. International Journal of Antimicrobial Agents, 2012, 40, 284-285. | 2.5 | 6 |
| 58 | Cryptococcus cyanovorans sp. nov., a basidiomycetous yeast isolated from cyanide-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1208-1214. | 1.7 | 9 |
| 59 | Arachidonic acid metabolites in pathogenic yeasts. Lipids in Health and Disease, 2012, 11, 100. | 3.0 | 17 |
| 60 | The presence of 3-hydroxy oxylipins in pathogenic microbes. Prostaglandins and Other Lipid Mediators, 2012, 97, 17-21. | 1.9 | 4 |
| 61 | Sciadonic acid modulates prostaglandin E2 production by epithelial cells during infection with C. albicans and C. dubliniensis. Prostaglandins and Other Lipid Mediators, 2012, 97, 66-71. | 1.9 | 16 |
| 62 | The anti-mitochondrial antifungal assay for the discovery and development of new drugs. Expert Opinion on Drug Discovery, 2011, 6, 671-681. | 5.0 | 7 |
| 63 | The influence of mitochondrial inhibitors on the life cycle of Phytophthora. African Journal of Microbiology Research, 2011, 5, 3175-3180. | 0.4 | 1 |
| 64 | Candida albicans or Candida dubliniensis?. Mycoses, 2011, 54, 1-16. | 4.0 | 38 |
| 65 | Effect of inhibitors of arachidonic acid metabolism on prostaglandin E2 production by Candida albicans and Candida dubliniensis biofilms. Medical Microbiology and Immunology, 2011, 200, 23-28. | 4.8 | 23 |
| 66 | Rhodotorula bloemfonteinensis sp. nov., Rhodotorula eucalyptica sp. nov., Rhodotorula orientis sp. nov. and Rhodotorula pini sp. nov., yeasts isolated from monoterpene-rich environments. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2320-2327. | 1.7 | 12 |
| 67 | Effect of Marine Polyunsaturated Fatty Acids on Biofilm Formation of Candida albicans and Candida dubliniensis. Marine Drugs, 2010, 8, 2597-2604. | 4.6 | 54 |
| 68 | The effects of palm oil breakdown products on lipid turnover and morphology of fungi. Canadian Journal of Microbiology, 2010, 56, 883-889. | 1.7 | 3 |
| 69 | Anti-inflammatory drugs selectively target sporangium development in Mucor. Canadian Journal of Microbiology, 2009, 55, 1392-1396. | 1.7 | 7 |
| 70 | Development of a Yeast Bio-Assay to Screen Anti-Mitochondrial Drugs. Current Drug Discovery Technologies, 2009, 6, 186-191. | 1.2 | 14 |
| 71 | Distribution of 3-hydroxy oxylipins and acetylsalicylic acid sensitivity in <i>Cryptococcus</i> species. Canadian Journal of Microbiology, 2008, 54, 111-118. | 1.7 | 10 |
| 72 | Variation in yeast mitochondrial activity associated with asci. Canadian Journal of Microbiology, 2008, 54, 532-536. | 1.7 | 4 |

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| 73 | Oxylipin and mitochondrion probes to track yeast sexual cells. Canadian Journal of Microbiology, 2008, 54, 450-455. | 1.7 | 5 |
| 74 | The influence of acetylsalicylic acid on oxylipin migration in Cryptococcus neoformans var.<i>neoformans</i>UOFS Y-1378. Canadian Journal of Microbiology, 2008, 54, 91-96. | 1.7 | 15 |
| 75 | Arachidonic acid increases antifungal susceptibility of Candida albicans and Candida dubliniensis. Journal of Antimicrobial Chemotherapy, 2008, 63, 124-128. | 3.0 | 37 |
| 76 | 3-Hydroxy fatty acids found in capsules ofCryptococcus neoformans. Canadian Journal of Microbiology, 2007, 53, 809-812. | 1.7 | 23 |
| 77 | The release of elongated, sheathed ascospores from bottle-shaped asci inDipodascus geniculatus. FEMS Yeast Research, 2007, 7, 173-179. | 2.3 | 7 |
| 78 | Oxylipin studies expose aspirin as antifungal. FEMS Yeast Research, 2007, 7, 1207-1217. | 2.3 | 25 |
| 79 | Mitochondrial Associated Yeast Flocculation -The Effect of Acetylsalicylic Acid. Journal of the Institute of Brewing, 2007, 113, 42-47. | 2.3 | 9 |
| 80 | Acetylsalicylic acid as antifungal in Eremothecium and other yeasts. Antonie Van Leeuwenhoek, 2007, 91, 393-405. | 1.7 | 18 |
| 81 | Oxylipin-coated hat-shaped ascospores of Ascoidea corymbosa. Canadian Journal of Microbiology, 2006, 52, 1046-1050. | 1.7 | 7 |
| 82 | Oxylipin covered ascospores of Eremothecium coryli. Antonie Van Leeuwenhoek, 2006, 89, 91-97. | 1.7 | 10 |
| 83 | Mapping the distribution of 3-hydroxy oxylipins in the ascomycetous yeast Saturnispora saitoi. Systematic and Applied Microbiology, 2006, 29, 446-449. | 2.8 | 4 |
| 84 | Oxylipin Associated Co-Flocculation in Yeasts. Journal of the Institute of Brewing, 2006, 112, 66-71. | 2.3 | 7 |
| 85 | Yeast Biomechanics. , 2006, , 725-725. |  | 1 |
| 86 | Cryptococcus anemochoreius sp. nov., a novel anamorphic basidiomycetous yeast isolated from the atmosphere in central South Africa. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2703-2706. | 1.7 | 6 |
| 87 | Ascospore release from bottle-shaped asci in. FEMS Yeast Research, 2005, 5, 1185-1190. | 2.3 | 11 |
| 88 | Acetate-enhanced polymerized triacylglycerol utilization by Mucor circinelloides. World Journal of Microbiology and Biotechnology, 2005, 21, 97-99. | 3.6 | 1 |
| 89 | Bioactive Oxylipins in<i>Saccharomyces cerevisiae</i>. Journal of the Institute of Brewing, 2005, 111, 304-308. | 2.3 | 22 |
| 90 | The presence of 3-hydroxy oxylipins on the ascospore surfaces of some species representing Saccharomycopsis SchiÃ¶nning. Canadian Journal of Microbiology, 2005, 51, 605-612. | 1.7 | 6 |

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| 91 | The presence of novel 3-hydroxy oxylipins on surfaces of hat-shaped ascospores of Ascoidea africana Batra & Francke-Grosmann. Canadian Journal of Microbiology, 2005, 51, 99-103. | 1.7 | 5 |
| 92 | Report on the discovery of a novel 3-hydroxy oxylipin cascade in the yeast Saccharomycopsis synnaedendra. Prostaglandins and Other Lipid Mediators, 2004, 74, 139-146. | 1.9 | 5 |
| 93 | Variation in functional ascospore parts in the ascomycetous yeast Dipodascopsis uninucleata. Antonie Van Leeuwenhoek, 2004, 85, 187-189. | 1.7 | 3 |
| 94 | Mapping 3-hydroxy oxylipins on ascospores of Eremothecium sinecaudum. Antonie Van Leeuwenhoek, 2004, 86, 363-368. | 1.7 | 9 |
| 95 | Oxylipins and ascospore morphology in the ascomycetous yeast genus Dipodascus. Antonie Van Leeuwenhoek, 2003, 83, 317-325. | 1.7 | 13 |
| 96 | The distribution of 3-hydroxy oxylipins in fungi. Prostaglandins and Other Lipid Mediators, 2003, 71, 85-96. | 1.9 | 65 |
| 97 | Differentiation of Brewing and Related Yeasts Based on PCR Amplification and Restriction Fragment Length Polymorphism of Ribosomal DNA. Journal of the Institute of Brewing, 2002, 108, 164-168. | 2.3 | 4 |
| 98 | Bioprospecting for novel oxylipins in fungi: the presence of 3-hydroxy oxylipins in Pilobolus. Antonie Van Leeuwenhoek, 2001, 80, 93-99. | 1.7 | 17 |
| 99 | Bioprospecting for novel hydroxyoxylipins in fungi: presence of 3-hydroxy palmitic acid in Saccharomycopsis malanga. Antonie Van Leeuwenhoek, 2001, 80, 311-315. | 1.7 | 8 |
| 100 | A novel oxylipin-associated 'ghosting' phenomenon in yeast flocculation. Antonie Van Leeuwenhoek, 2000, 77, 401-406. | 1.7 | 39 |
| 101 | Oxylipin Formation in Fungi: Biotransformation of Arachidonic Acid to 3-Hydroxy-5,8-tetradecadienoic Acid byMucor genevensis. Biochemical and Biophysical Research Communications, 1998, 253, 703-706. | 2.1 | 15 |
| 102 | Notes on the physiology and morphology of Thamnostylum piriforme isolated for the first time in South Africa. South African Journal of Botany, 1997, 63, 104-108. | 2.5 | 0 |
| 103 | The production of gamma-linolenic acid by selected members of the Dikaryomycota grown on different carbon sources. Antonie Van Leeuwenhoek, 1997, 72, 191-199. | 1.7 | 4 |