# Leonardo Nimrichter

List of Publications by Year
in descending order



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|---|---|---|---|
| 115 papers | 13,400 citations | 53939 47 h-index | 27587 110 g-index |
| 127 all docs | 127 docs citations | 127 times ranked | 17356 citing authors |

| # | Article | IF | Citations |
| --- | --- | --- | --- |
| 1 | From fundamental biology to the search for innovation: The story of fungal extracellular vesicles. European Journal of Cell Biology, 2022, 101, 151205. | 1.6 | 9 |
| 2 | Silver Chitosan Nanocomposites are Effective to Combat Sporotrichosis. Frontiers in Nanotechnology, 2022, 4, . | 2.4 | 6 |
| 3 | Extracellular Vesicles Regulate Biofilm Formation and Yeast-to-Hypha Differentiation in Candida albicans. MBio, 2022, 13, e0030122. | 1.8 | 24 |
| 4 | Recognition of Cell Wall Mannosylated Components as a Conserved Feature for Fungal Entrance, Adaptation and Survival Within Trophozoites of Acanthamoeba castellanii and Murine Macrophages. Frontiers in Cellular and Infection Microbiology, 2022, 12, . | 1.8 | 4 |
| 5 | Isolation of Extracellular Vesicles from Candida auris. Methods in Molecular Biology, 2022, , 173-178. | 0.4 | 2 |
| 6 | Extracellular Vesicle Formation in Cryptococcus deuterogattii Impacts Fungal Virulence and Requires the <i>NOP16</i> Gene. Infection and Immunity, 2022, 90, . | 1.0 | 4 |
| 7 | Dexamethasone and Methylprednisolone Promote Cell Proliferation, Capsule Enlargement, and in vivo Dissemination of C. neoformans. Frontiers in Fungal Biology, 2021, 2, . | 0.9 | 2 |
| 8 | Small Molecule Analysis of Extracellular Vesicles Produced by Cryptococcus gattii: Identification of a Tripeptide Controlling Cryptococcal Infection in an Invertebrate Host Model. Frontiers in Immunology, 2021, 12, 654574. | 2.2 | 21 |
| 9 | Antifungal Activity of Acylhydrazone Derivatives against <i>Sporothrix</i> spp.. Antimicrobial Agents and Chemotherapy, 2021, 65, . | 1.4 | 9 |
| 10 | Silver chitosan nanocomposites as a potential treatment for superficial candidiasis. Medical Mycology, 2021, 59, 993-1005. | 0.3 | 11 |
| 11 | Omics Approaches for Understanding Biogenesis, Composition and Functions of Fungal Extracellular Vesicles. Frontiers in Genetics, 2021, 12, 648524. | 1.1 | 13 |
| 12 | The paradoxical and still obscure properties of fungal extracellular vesicles. Molecular Immunology, 2021, 135, 137-146. | 1.0 | 23 |
| 13 | Comparative Molecular and Immunoregulatory Analysis of Extracellular Vesicles from Candida albicans and Candida auris. MSystems, 2021, 6, e0082221. | 1.7 | 27 |
| 14 | Host cell membrane microdomains and fungal infection. Cellular Microbiology, 2021, 23, e13385. | 1.1 | 3 |
| 15 | <i>Cryptococcus</i> extracellular vesicles properties and their use as vaccine platforms. Journal of Extracellular Vesicles, 2021, 10, e12129. | 5.5 | 47 |
| 16 | X-linked immunodeficient (XID) mice exhibit high susceptibility to Cryptococcus gattii infection. Scientific Reports, 2021, 11, 18397. | 1.6 | 7 |
| 17 | Fungal Infections of the Central Nervous System. , 2021, , 736-748. |  | 0 |
| 18 | Fungal Extracellular Vesicles as a Potential Strategy for Vaccine Development. Current Topics in Microbiology and Immunology, 2021, 432, 121-138. | 0.7 | 2 |

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|---|---|---|---|
| 19 | Current Microscopy Strategies to Image Fungal Vesicles: From the Intracellular Trafficking and Secretion to the Inner Structure of Isolated Vesicles. Current Topics in Microbiology and Immunology, 2021, 432, 139-159. | 0.7 | 0 |
| 20 | Characterization of Extracellular Vesicles Produced by Aspergillus fumigatus Protoplasts. MSphere, 2020, 5, . | 1.3 | 43 |
| 21 | Protective Efficacy of Lectin-Fc(IgG) Fusion Proteins In Vitro and in a Pulmonary Aspergillosis In Vivo Model. Journal of Fungi (Basel, Switzerland), 2020, 6, 250. | 1.5 | 6 |
| 22 | Media matters! Alterations in the loading and release of <scp> <i>Histoplasma capsulatum</i> </scp> extracellular vesicles in response to different nutritional milieus. Cellular Microbiology, 2020, 22, e13217. | 1.1 | 49 |
| 23 | Protective effect of fungal extracellular vesicles against murine candidiasis. Cellular Microbiology, 2020, 22, e13238. | 1.1 | 51 |
| 24 | Histoplasma capsulatum Glycans From Distinct Genotypes Share Structural and Serological Similarities to Cryptococcus neoformans Glucuronoxylomannan. Frontiers in Cellular and Infection Microbiology, 2020, 10, 565571. | 1.8 | 4 |
| 25 | Host membrane glycosphingolipids and lipid microdomains facilitate<i>Histoplasma capsulatum</i>internalisation by macrophages. Cellular Microbiology, 2019, 21, e12976. | 1.1 | 17 |
| 26 | Role of lipid transporters in fungal physiology and pathogenicity. Computational and Structural Biotechnology Journal, 2019, 17, 1278-1289. | 1.9 | 18 |
| 27 | Multi-omics Signature of <i>Candida auris</i> , an Emerging and Multidrug-Resistant Pathogen. MSystems, 2019, 4, . | 1.7 | 65 |
| 28 | Exploiting Lipids to Develop Anticryptococcal Vaccines. Current Tropical Medicine Reports, 2019, 6, 55-63. | 1.6 | 3 |
| 29 | A Novel Protocol for the Isolation of Fungal Extracellular Vesicles Reveals the Participation of a Putative Scramblase in Polysaccharide Export and Capsule Construction in <i>Cryptococcus gattii</i>. MSphere, 2019, 4, . | 1.3 | 67 |
| 30 | <i>Cryptococcus neoformans</i>Glucuronoxylomannan and Sterylglucoside Are Required for Host Protection in an Animal Vaccination Model. MBio, 2019, 10, . | 1.8 | 63 |
| 31 | Investigation of Candida parapsilosis virulence regulatory factors during host-pathogen interaction. Scientific Reports, 2018, 8, 1346. | 1.6 | 21 |
| 32 | Extracellular vesicles and vesicle-free secretome of the protozoa <i>Acanthamoeba castellanii</i> under homeostasis and nutritional stress and their damaging potential to host cells. Virulence, 2018, 9, 818-836. | 1.8 | 68 |
| 33 | Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. Journal of Extracellular Vesicles, 2018, 7, 1535750. | 5.5 | 6,961 |
| 34 | Fungal Extracellular Vesicles. , 2018, , 333-333. | | 0 |
| 35 | A glucuronoxylomannan-like glycan produced by Trichosporon mucoides. Fungal Genetics and Biology, 2018, 121, 46-55. | 0.9 | 9 |
| 36 | Concentration-dependent protein loading of extracellular vesicles released by Histoplasma capsulatum after antibody treatment and its modulatory action upon macrophages. Scientific Reports, 2018, 8, 8065. | 1.6 | 66 |

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| 37 | What Is New? Recent Knowledge on Fungal Extracellular Vesicles. Current Fungal Infection Reports, 2017, 11, 141-147. | 0.9 | 11 |
| 38 | Characterization of the antifungal functions of a WGA-Fc (IgG2a) fusion protein binding to cell wall chitin oligomers. Scientific Reports, 2017, 7, 12187. | 1.6 | 34 |
| 39 | Extracellular Vesicle-Associated Transitory Cell Wall Components and Their Impact on the Interaction of Fungi with Host Cells. Frontiers in Microbiology, 2016, 7, 1034. | 1.5 | 74 |
| 40 | Antibody Binding Alters the Characteristics and Contents of Extracellular Vesicles Released by Histoplasma capsulatum. MSphere, 2016, 1, . | 1.3 | 74 |
| 41 | Analysis of Yeast Extracellular Vesicles. Methods in Molecular Biology, 2016, 1459, 175-190. | 0.4 | 24 |
| 42 | Potential Roles of Fungal Extracellular Vesicles during Infection. MSphere, 2016, 1, . | 1.3 | 95 |
| 43 | The benefits of scientific mobility and international collaboration. FEMS Microbiology Letters, 2016, 363, . | 0.7 | 20 |
| 44 | The putative autophagy regulator Atg7 affects the physiology and pathogenic mechanisms ofCryptococcus neoformans. Future Microbiology, 2016, 11, 1405-1419. | 1.0 | 30 |
| 45 | Enhanced virulence of Histoplasma capsulatum through transfer and surface incorporation of glycans from Cryptococcus neoformans during co-infection. Scientific Reports, 2016, 6, 21765. | 1.6 | 26 |
| 46 | Lipid droplet levels vary heterogeneously in response to simulated gastrointestinal stresses in different probiotic Saccharomyces cerevisiae strains. Journal of Functional Foods, 2016, 21, 193-200. | 1.6 | 8 |
| 47 | The Einstein-Brazil Fogarty: A decade of synergy. Brazilian Journal of Microbiology, 2015, 46, 945-955. | 0.8 | 2 |
| 48 | Identification of a New Class of Antifungals Targeting the Synthesis of Fungal Sphingolipids. MBio, 2015, 6, e00647. | 1.8 | 124 |
| 49 | Probiotic Saccharomyces cerevisiae strains as biotherapeutic tools: is there room for improvement?. Applied Microbiology and Biotechnology, 2015, 99, 6563-6570. | 1.7 | 74 |
| 50 | Extracellular vesicle-mediated export of fungal RNA. Scientific Reports, 2015, 5, 7763. | 1.6 | 185 |
| 51 | Compositional and immunobiological analyses of extracellular vesicles released by<i>C</i><i>andida albicans</i>. Cellular Microbiology, 2015, 17, 389-407. | 1.1 | 242 |
| 52 | Traveling into Outer Space: Unanswered Questions about Fungal Extracellular Vesicles. PLoS Pathogens, 2015, 11, e1005240. | 2.1 | 63 |
| 53 | Synthesis and Biological Properties of Fungal Glucosylceramide. PLoS Pathogens, 2014, 10, e1003832. | 2.1 | 96 |
| 54 | The impact of proteomics on the understanding of functions and biogenesis of fungal extracellular vesicles. Journal of Proteomics, 2014, 97, 177-186. | 1.2 | 109 |

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| 55 | Use of a stainless steel washer platform to study Acinetobacter baumannii adhesion and biofilm formation on abiotic surfaces. Microbiology (United Kingdom), 2013, 159, 2594-2604. | 0.7 | 31 |
| 56 | Vesicular mechanisms of traffic of fungal molecules to the extracellular space. Current Opinion in Microbiology, 2013, 16, 414-420. | 2.3 | 74 |
| 57 | Binding of the wheat germ lectin to Cryptococcus neoformans chitooligomers affects multiple mechanisms required for fungal pathogenesis. Fungal Genetics and Biology, 2013, 60, 64-73. | 0.9 | 31 |
| 58 | Definition of Molecular Determinants of Prostate Cancer Cell Bone Extravasation. Cancer Research, 2013, 73, 942-952. | 0.4 | 61 |
| 59 | Antibody Binding to <i>Cryptococcus neoformans</i> Impairs Budding by Altering Capsular Mechanical Properties. Journal of Immunology, 2013, 190, 317-323. | 0.4 | 36 |
| 60 | Inhibition of Candida parapsilosis Fatty Acid Synthase (Fas2) Induces Mitochondrial Cell Death in Serum. PLoS Pathogens, 2012, 8, e1002879. | 2.1 | 9 |
| 61 | Chitin-Like Molecules Associate with Cryptococcus neoformans Glucuronoxylomannan To Form a Glycan Complex with Previously Unknown Properties. Eukaryotic Cell, 2012, 11, 1086-1094. | 3.4 | 28 |
| 62 | A Paracoccidioides brasiliensis glycan shares serologic and functional properties with cryptococcal glucuronoxylomannan. Fungal Genetics and Biology, 2012, 49, 943-954. | 0.9 | 22 |
| 63 | In good company: association between fungal glycans generates molecular complexes with unique functions. Frontiers in Microbiology, 2012, 3, 249. | 1.5 | 14 |
| 64 | The plant defensin RsAFP2 induces cell wall stress, septin mislocalization and accumulation of ceramides in <i>Candida albicans</i>. Molecular Microbiology, 2012, 84, 166-180. | 1.2 | 123 |
| 65 | Capsules from Pathogenic and Non-Pathogenic Cryptococcus spp. Manifest Significant Differences in Structure and Ability to Protect against Phagocytic Cells. PLoS ONE, 2012, 7, e29561. | 1.1 | 61 |
| 66 | Vesicular transport systems in fungi. Future Microbiology, 2011, 6, 1371-1381. | 1.0 | 60 |
| 67 | The GATA-type transcriptional activator Gat1 regulates nitrogen uptake and metabolism in the human pathogen Cryptococcus neoformans. Fungal Genetics and Biology, 2011, 48, 192-199. | 0.9 | 42 |
| 68 | Gangliosides expressed on breast cancer cells are E-selectin ligands. Biochemical and Biophysical Research Communications, 2011, 406, 423-429. | 1.0 | 40 |
| 69 | Fungal Polysaccharides: Biological Activity Beyond the Usual Structural Properties. Frontiers in Microbiology, 2011, 2, 171. | 1.5 | 28 |
| 70 | Fungal Glucosylceramides: From Structural Components to Biologically Active Targets of New Antimicrobials. Frontiers in Microbiology, 2011, 2, 212. | 1.5 | 54 |
| 71 | Histoplasma capsulatum Heat-Shock 60 Orchestrates the Adaptation of the Fungus to Temperature Stress. PLoS ONE, 2011, 6, e14660. | 1.1 | 42 |
| 72 | Role for Golgi reassembly and stacking protein (GRASP) in polysaccharide secretion and fungal virulence. Molecular Microbiology, 2011, 81, 206-218. | 1.2 | 78 |

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| 73 | Glucuronoxylomannan from Cryptococcus neoformans Down-regulates the Enzyme 6-Phosphofructo-1-kinase of Macrophages. Journal of Biological Chemistry, 2011, 286, 14820-14829. | 1.6 | 11 |
| 74 | Agglutination of<i>Histoplasma capsulatum</i>by IgG Monoclonal Antibodies against Hsp60 Impacts Macrophage Effector Functions. Infection and Immunity, 2011, 79, 918-927. | 1.0 | 31 |
| 75 | Chronological Aging Is Associated with Biophysical and Chemical Changes in the Capsule of Cryptococcus neoformans. Infection and Immunity, 2011, 79, 4990-5000. | 1.0 | 45 |
| 76 | Abstract 1547: Characterization of receptor-ligand interactions between head and neck circulating tumor cells and E-selectin. , 2011, , . |  | 0 |
| 77 | Biochemical characterization of an ecto-ATP diphosphohydrolase activity in Candida parapsilosisâ€ƒand its possible role in adenosine acquisition and pathogenesis. FEMS Yeast Research, 2010, 10, 735-746. | 1.1 | 16 |
| 78 | Cryptococcus neoformans responds to mannitol by increasing capsule size in vitro and in vivo. Cellular Microbiology, 2010, 12, 740-753. | 1.1 | 47 |
| 79 | The Vacuolar Ca 2+ Exchanger Vcx1 Is Involved in Calcineurin-Dependent Ca 2+ Tolerance and Virulence in Cryptococcus neoformans. Eukaryotic Cell, 2010, 9, 1798-1805. | 3.4 | 44 |
| 80 | Immunomodulatory Effects of Serotype B Glucuronoxylomannan from <i>Cryptococcus gattii</i> Correlate with Polysaccharide Diameter. Infection and Immunity, 2010, 78, 3861-3870. | 1.0 | 73 |
| 81 | Extracellular Vesicles from <i>Cryptococcus neoformans</i> Modulate Macrophage Functions. Infection and Immunity, 2010, 78, 1601-1609. | 1.0 | 238 |
| 82 | Biogenesis of extracellular vesicles in yeast. Communicative and Integrative Biology, 2010, 3, 533-535. | 0.6 | 41 |
| 83 | Characterization of Yeast Extracellular Vesicles: Evidence for the Participation of Different Pathways of Cellular Traffic in Vesicle Biogenesis. PLoS ONE, 2010, 5, e11113. | 1.1 | 215 |
| 84 | The still obscure attributes of cryptococcal glucuronoxylomannan. Medical Mycology, 2009, 47, 783-788. | 0.3 | 20 |
| 85 | Role for Chitin and Chitooligomers in the Capsular Architecture of <i>Cryptococcus neoformans</i>. Eukaryotic Cell, 2009, 8, 1543-1553. | 3.4 | 54 |
| 86 | Structural and functional properties of the Trichosporon asahii glucuronoxylomannan. Fungal Genetics and Biology, 2009, 46, 496-505. | 0.9 | 49 |
| 87 | Cryptococcus neoformans cryoultramicrotomy and vesicle fractionation reveals an intimate association between membrane lipids and glucuronoxylomannan. Fungal Genetics and Biology, 2009, 46, 956-963. | 0.9 | 59 |
| 88 | The Elastic Properties of the Cryptococcus neoformans Capsule. Biophysical Journal, 2009, 97, 937-945. | 0.2 | 38 |
| 89 | Identification of iGb3 and iGb4 in melanoma B16F10-Nex2 cells and the iNKT cell-mediated antitumor effect of dendritic cells primed with iGb3. Molecular Cancer, 2009, 8, 116. | 7.9 | 15 |
| 90 | Capsule of<i>Cryptococcus neoformans</i>grows by enlargement of polysaccharide molecules. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1228-1233. | 3.3 | 94 |

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| 91 | Effective Topical Treatment of Subcutaneous Murine B16F10-Nex2 Melanoma By the Antimicrobial Peptide Gomesin. Neoplasia, 2008, 10, 61-68. | 2.3 | 85 |
| 92 | Extracellular Vesicles Produced by <i>Cryptococcus neoformans</i> Contain Protein Components Associated with Virulence. Eukaryotic Cell, 2008, 7, 58-67. | 3.4 | 491 |
| 93 | <i>Cryptococcus neoformans</i> Capsular Polysaccharide and Exopolysaccharide Fractions Manifest Physical, Chemical, and Antigenic Differences. Eukaryotic Cell, 2008, 7, 319-327. | 3.4 | 104 |
| 94 | A role for vesicular transport of macromolecules across cell walls in fungal pathogenesis. Communicative and Integrative Biology, 2008, 1, 37-39. | 0.6 | 49 |
| 95 | In Vitro Activity of the Antifungal Plant Defensin RsAFP2 against <i>Candida</i> Isolates and Its In Vivo Efficacy in Prophylactic Murine Models of Candidiasis. Antimicrobial Agents and Chemotherapy, 2008, 52, 4522-4525. | 1.4 | 79 |
| 96 | E-selectin receptors on human leukocytes. Blood, 2008, 112, 3744-3752. | 0.6 | 131 |
| 97 | Vesicular Trans-Cell Wall Transport in Fungi: A Mechanism for the Delivery of Virulence-Associated Macromolecules?. Lipid Insights, 2008, 2, LPI.S1000. | 1.0 | 96 |
| 98 | Sophisticated Functions for a Simple Molecule: The Role of Glucosylceramides in Fungal Cells. Lipid Insights, 2008, 2, LPI.S1014. | 1.0 | 4 |
| 99 | Monoclonal Antibody to Fungal Glucosylceramide Protects Mice against Lethal<i>Cryptococcus neoformans</i>Infection. Vaccine Journal, 2007, 14, 1372-1376. | 3.2 | 74 |
| 100 | Binding of Glucuronoxylomannan to the CD14 Receptor in Human A549 Alveolar Cells Induces Interleukin-8 Production. Vaccine Journal, 2007, 14, 94-98. | 3.2 | 30 |
| 101 | Self-Aggregation of Cryptococcus neoformans Capsular Glucuronoxylomannan Is Dependent on Divalent Cations. Eukaryotic Cell, 2007, 6, 1400-1410. | 3.4 | 135 |
| 102 | Vesicular Polysaccharide Export in Cryptococcus neoformans Is a Eukaryotic Solution to the Problem of Fungal Trans-Cell Wall Transport. Eukaryotic Cell, 2007, 6, 48-59. | 3.4 | 454 |
| 103 | An ectophosphatase activity inCandida parapsilosisinfluences the interaction of fungi with epithelial cells. FEMS Yeast Research, 2007, 7, 621-628. | 1.1 | 33 |
| 104 | Gomesin, a peptide produced by the spiderAcanthoscurria gomesiana, is a potent anticryptococcal agent that acts in synergism with fluconazole. FEMS Microbiology Letters, 2007, 274, 279-286. | 0.7 | 47 |
| 105 | Biology and pathogenesis of<i>Fonsecaea pedrosoi</i>, the major etiologic agent of chromoblastomycosis. FEMS Microbiology Reviews, 2007, 31, 570-591. | 3.9 | 95 |
| 106 | An ectophosphatase activity inCryptococcus neoformans. FEMS Yeast Research, 2006, 6, 1010-1017. | 1.1 | 38 |
| 107 | Glucuronoxylomannan-mediated interaction of Cryptococcus neoformans with human alveolar cells results in fungal internalization and host cell damage. Microbes and Infection, 2006, 8, 493-502. | 1.0 | 58 |
| 108 | The multitude of targets for the immune system and drug therapy in the fungal cell wall. Microbes and Infection, 2005, 7, 789-798. | 1.0 | 80 |

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| 109 | Exposure of Human Leukemic Cells to Direct Electric Current: Generation of Toxic Compounds Inducing Cell Death by Different Mechanisms. Cell Biochemistry and Biophysics, 2005, 42, 061-074. | 0.9 | 26 |
| 110 | Structure, Cellular Distribution, Antigenicity, and Biological Functions of Fonsecaea pedrosoi Ceramide Monohexosides. Infection and Immunity, 2005, 73, 7860-7868. | 1.0 | 49 |
| 111 | Membrane redistribution of gangliosides and glycosylphosphatidylinositol-anchored proteins in brain tissue sections under conditions of lipid raft isolation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2005, 1686, 200-208. | 1.2 | 57 |
| 112 | A monoclonal antibody to glucosylceramide inhibits the growth of Fonsecaea pedrosoi and enhances the antifungal action of mouse macrophages. Microbes and Infection, 2004, 6, 657-665. | 1.0 | 64 |
| 113 | Intact cell adhesion to glycan microarrays. Glycobiology, 2003, 14, 197-203. | 1.3 | 109 |
| 114 | Anti-ganglioside antibodies bind with enhanced affinity to gangliosides containing very long chain fatty acids. Neurochemical Research, 2002, 27, 847-855. | 1.6 | 31 |
| 115 | The still obscure attributes of cryptococcal glucuronoxylomannan. Medical Mycology, 0, , 1-7. | 0.3 | 2 |