# Thierry Fontaine

List of Publications by Year
in descending order



| 88 | 6,013 | 57758 44 | 74163 75 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 91 | 91 | 91 | 5213 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Surfactant protein D inhibits growth, alters cell surface polysaccharide exposure and immune activation potential of Aspergillus fumigatus. Cell Surface, 2022, 8, 100072. | 3.0 | 4 |
| 2 | Functional Genomic and Biochemical Analysis Reveals Pleiotropic Effect of Congo Red on Aspergillus fumigatus. MBio, 2021, 12, . | 4.1 | 24 |
| 3 | Bacterial cell wallâ€degrading enzymes induce basidiomycete natural product biosynthesis. Environmental Microbiology, 2021, 23, 4360-4371. | 3.8 | 5 |
| 4 | A molecular vision of fungal cell wall organization by functional genomics and solid-state NMR. Nature Communications, 2021, 12, 6346. | 12.8 | 54 |
| 5 | Fungal cell wall components modulate our immune system. Cell Surface, 2021, 7, 100067. | 3.0 | 10 |
| 6 | Biotinylated Oligo-Î±-(1 â†' 4)-<scp>d</scp>-galactosamines and Their N-Acetylated Derivatives: Î±-Stereoselective Synthesis and Immunology Application. Journal of the American Chemical Society, 2020, 142, 1175-1179. | 13.7 | 35 |
| 7 | Galactomannan Produced by Aspergillus fumigatus: An Update on the Structure, Biosynthesis and Biological Functions of an Emblematic Fungal Biomarker. Journal of Fungi (Basel, Switzerland), 2020, 6, 283. | 3.5 | 28 |
| 8 | Galactosaminogalactan activates the inflammasome to provide host protection. Nature, 2020, 588, 688-692. | 27.8 | 78 |
| 9 | Potential of Chemically Synthesized Oligosaccharides To Define the Carbohydrate Moieties of the Fungal Cell Wall Responsible for the Human Immune Response, Using Aspergillus fumigatus Galactomannan as a Model. MSphere, 2020, 5, . | 2.9 | 23 |
| 10 | Two KTR Mannosyltransferases Are Responsible for the Biosynthesis of Cell Wall Mannans and Control Polarized Growth in Aspergillus fumigatus. MBio, 2019, 10, . | 4.1 | 31 |
| 11 | The Glycosylphosphatidylinositol-Anchored DFG Family Is Essential for the Insertion of Galactomannan into the Î²-(1,3)-Glucanâ€“Chitin Core of the Cell Wall of Aspergillus fumigatus. MSphere, 2019, 4, . | 2.9 | 28 |
| 12 | Definition of the Anti-inflammatory Oligosaccharides Derived From the Galactosaminogalactan (GAG) From Aspergillus fumigatus. Frontiers in Cellular and Infection Microbiology, 2019, 9, 365. | 3.9 | 18 |
| 13 | Glycosylphosphatidylinositol Anchors from Galactomannan and GPI-Anchored Protein Are Synthesized by Distinct Pathways in Aspergillus fumigatus. Journal of Fungi (Basel, Switzerland), 2018, 4, 19. | 3.5 | 19 |
| 14 | Novel mouse monoclonal antibodies specifically recognize Aspergillus fumigatus galactomannan. PLoS ONE, 2018, 13, e0193938. | 2.5 | 34 |
| 15 | Modifications to the composition of the hyphal outer layer of Aspergillus fumigatus modulates HUVEC proteins related to inflammatory and stress responses. Journal of Proteomics, 2017, 151, 83-96. | 2.4 | 9 |
| 16 | Aspergillus fumigatus Cell Wall Î±-(1,3)-Glucan Stimulates Regulatory T-Cell Polarization by Inducing PD-L1 Expression on Human Dendritic Cells. Journal of Infectious Diseases, 2017, 216, 1281-1294. | 4.0 | 81 |
| 17 | Sphingolipids from the human fungal pathogen Aspergillus fumigatus. Biochimie, 2017, 141, 9-15. | 2.6 | 19 |
| 18 | First Report of CD4 Lymphopenia and Defective Neutrophil Functions in a Patient with Amebiasis Associated with CMV Reactivation and Severe Bacterial and Fungal Infections. Frontiers in Microbiology, 2017, 8, 203. | 3.5 | 1 |

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| 19 | Galactosaminogalactan ofAspergillus fumigatus, a bioactive fungal polymer. Mycologia, 2016, 108, 572-580. | 1.9 | 48 |
| 20 | Dataset of differentially regulated proteins in HUVECs challenged with wild type and UGM1 mutant Aspergillus fumigatus strains. Data in Brief, 2016, 9, 24-31. | 1.0 | 6 |
| 21 | Biosynthesis of cell wall mannan in the conidium and the mycelium ofAspergillus fumigatus. Cellular Microbiology, 2016, 18, 1881-1891. | 2.1 | 46 |
| 22 | Identification ofAspergillus fumigatusSurface Components That Mediate Interaction of Conidia and Hyphae With Human Platelets. Journal of Infectious Diseases, 2015, 212, 1140-1149. | 4.0 | 49 |
| 23 | Nanoscale biophysical properties of the cell surface galactosaminogalactan from the fungal pathogen Aspergillus fumigatus. Nanoscale, 2015, 7, 14996-15004. | 5.6 | 33 |
| 24 | The Fungal Exopolysaccharide Galactosaminogalactan Mediates Virulence by Enhancing Resistance to Neutrophil Extracellular Traps. PLoS Pathogens, 2015, 11, e1005187. | 4.7 | 167 |
| 25 | A Polysaccharide Virulence Factor from Aspergillus fumigatus Elicits Anti-inflammatory Effects through Induction of Interleukin-1 Receptor Antagonist. PLoS Pathogens, 2014, 10, e1003936. | 4.7 | 117 |
| 26 | Overlapping and Distinct Roles of Aspergillus fumigatus UDP-glucose 4-Epimerases in Galactose Metabolism and the Synthesis of Galactose-containing Cell Wall Polysaccharides. Journal of Biological Chemistry, 2014, 289, 1243-1256. | 3.4 | 102 |
| 27 | A Polysaccharide Virulence Factor of a Human Fungal Pathogen Induces Neutrophil Apoptosis via NK Cells. Journal of Immunology, 2014, 192, 5332-5342. | 0.8 | 68 |
| 28 | Chemical Organization of the Cell Wall Polysaccharide Core of Malassezia restricta. Journal of Biological Chemistry, 2014, 289, 12647-12656. | 3.4 | 62 |
| 29 | Aspergillus Cell Wall and Biofilm. Mycopathologia, 2014, 178, 371-377. | 3.1 | 108 |
| 30 | Cell Wall of Aspergillus fumigatus: a Dynamic Structure. , 2014, , 169-183. | | 10 |
| 31 | Aspergillus Galactosaminogalactan Mediates Adherence to Host Constituents and Conceals Hyphal Î²-Glucan from the Immune System. PLoS Pathogens, 2013, 9, e1003575. | 4.7 | 256 |
| 32 | Modulation of Intestinal Inflammation by Yeasts and Cell Wall Extracts: Strain Dependence and Unexpected Anti-Inflammatory Role of Glucan Fractions. PLoS ONE, 2012, 7, e40648. | 2.5 | 96 |
| 33 | Screening of Escherichia coli Species Biodiversity Reveals New Biofilm-Associated Antiadhesion Polysaccharides. MBio, 2011, 2, e00043-11. | 4.1 | 81 |
| 34 | Galactosaminogalactan, a New Immunosuppressive Polysaccharide of Aspergillus fumigatus. PLoS Pathogens, 2011, 7, e1002372. | 4.7 | 185 |
| 35 | Comparative functional analysis of the OCH1 mannosyltransferase families in Aspergillus fumigatus and Saccharomyces cerevisiae. Yeast, 2010, 27, 625-636. | 1.7 | 35 |
| 36 | Î²(1-3)Glucanosyltransferase Gel4p Is Essential for Aspergillus fumigatus. Eukaryotic Cell, 2010, 9, 1294-1298. | 3.4 | 84 |

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| 37 | Disruption of the Bcchs3a Chitin Synthase Gene in Botrytis cinerea Is Responsible for Altered Adhesion and Overstimulation of Host Plant Immunity. Molecular Plant-Microbe Interactions, 2010, 23, 1324-1334. | 2.6 | 26 |
| 38 | Characterization of a New Î²(1â€“3)-Glucan Branching Activity of Aspergillus fumigatus. Journal of Biological Chemistry, 2010, 285, 2386-2396. | 3.4 | 72 |
| 39 | Characterization of Glycoside Hydrolase Family 5 Proteins in Schizosaccharomyces pombe. Eukaryotic Cell, 2010, 9, 1650-1660. | 3.4 | 20 |
| 40 | Cell wall Î±1-3glucans induce the aggregation of germinating conidia of Aspergillus fumigatus. Fungal Genetics and Biology, 2010, 47, 707-712. | 2.1 | 108 |
| 41 | Î²(1,3)-Glucanosyl-Transferase Activity Is Essential for Cell Wall Integrity and Viability of Schizosaccharomyces pombe. PLoS ONE, 2010, 5, e14046. | 2.5 | 32 |
| 42 | Cell Wall Î²-(1,6)-Glucan of Saccharomyces cerevisiae. Journal of Biological Chemistry, 2009, 284, 13401-13412. | 3.4 | 116 |
| 43 | Immune Sensing of Aspergillus fumigatus Proteins, Glycolipids, and Polysaccharides and the Impact on Th Immunity and Vaccination. Journal of Immunology, 2009, 183, 2407-2414. | 0.8 | 159 |
| 44 | Molecular Mechanisms of Yeast Cell Wall Glucan Remodeling. Journal of Biological Chemistry, 2009, 284, 8461-8469. | 3.4 | 67 |
| 45 | Galactofuranose attenuates cellular adhesion ofAspergillus fumigatus. Cellular Microbiology, 2009, 11, 1612-1623. | 2.1 | 87 |
| 46 | Characterization of glucuronic acid containing glycolipid in Aspergillus fumigatus mycelium. Carbohydrate Research, 2009, 344, 1960-1967. | 2.3 | 31 |
| 47 | The Î²â€1,3â€glucanosyltransferase gas4p is essential for ascospore wall maturation and spore viability in Schizosaccharomyces pombe . Molecular Microbiology, 2008, 68, 1283-1299. | 2.5 | 41 |
| 48 | The Schizosaccharomyces pombe endoâ€1,3â€Î²â€glucanase Eng1 contains a novel carbohydrate binding module required for septum localization. Molecular Microbiology, 2008, 69, 188-200. | 2.5 | 34 |
| 49 | Characterization of the endo-Î²-1,3-glucanase activity of S. cerevisiae Eng2 and other members of the GH81 family. Fungal Genetics and Biology, 2008, 45, 542-553. | 2.1 | 46 |
| 50 | UGE1 and UGE2 Regulate the UDP-Glucose/UDP-Galactose Equilibrium in Cryptococcus neoformans. Eukaryotic Cell, 2008, 7, 2069-2077. | 3.4 | 36 |
| 51 | Glycosylinositolphosphoceramides in Aspergillus Fumigatus. Glycobiology, 2007, 18, 84-96. | 2.5 | 47 |
| 52 | The Gas family of proteins ofSaccharomyces cerevisiae: characterization and evolutionary analysis. Yeast, 2007, 24, 297-308. | 1.7 | 99 |
| 53 | Systematic capsule gene disruption reveals the central role of galactose metabolism on Cryptococcus neoformans virulence. Molecular Microbiology, 2007, 64, 771-781. | 2.5 | 102 |
| 54 | Recombinant antigens as diagnostic markers for aspergillosis. Diagnostic Microbiology and Infectious Disease, 2006, 55, 279-291. | 1.8 | 88 |

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| 55 | Soluble and glyco-lipid modified baculovirus Plasmodium falciparum C-terminal merozoite surface protein 1, two forms of a leading malaria vaccine candidate. Vaccine, 2006, 24, 5997-6008. | 3.8 | 30 |
| 56 | Broad-spectrum biofilm inhibition by a secreted bacterial polysaccharide. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12558-12563. | 7.1 | 222 |
| 57 | A secreted antiâ€activator, OspD1, and its chaperone, Spa15, are involved in the control of transcription by the type III secretion apparatus activity in Shigella flexneri. Molecular Microbiology, 2005, 56, 1627-1635. | 2.5 | 121 |
| 58 | Deletion of GEL2 encoding for a Î²(1â€“3)glucanosyltransferase affects morphogenesis and virulence in Aspergillus fumigatus. Molecular Microbiology, 2005, 56, 1675-1688. | 2.5 | 146 |
| 59 | Glycosylphosphatidylinositol-anchored Fungal Polysaccharide in Aspergillus fumigatus. Journal of Biological Chemistry, 2005, 280, 39835-39842. | 3.4 | 89 |
| 60 | Characterization of recombinant forms of the yeast Gas1 protein and identification of residues essential for glucanosyltransferase activity and folding. FEBS Journal, 2004, 271, 3635-3645. | 0.2 | 49 |
| 61 | In Vitro Biosynthesis of Glycosylphosphatidylinositol inAspergillus fumigatusâ€. Biochemistry, 2004, 43, 15267-15275. | 2.5 | 16 |
| 62 | Glycerol dehydrogenase, encoded by gldB is essential for osmotolerance in Aspergillus nidulans. Molecular Microbiology, 2003, 49, 131-141. | 2.5 | 62 |
| 63 | Structures of the glycosylphosphatidylinositol membrane anchors from Aspergillus fumigatus membrane proteins. Glycobiology, 2003, 13, 169-177. | 2.5 | 73 |
| 64 | Molecular characterization of a cell wall-associated ÃŸ(1-3)endoglucanase of Aspergillus fumigatus. Medical Mycology, 2002, 40, 455-464. | 0.7 | 2 |
| 65 | Characterization of a cell-wall acid phosphatase (PhoAp) in Aspergillus fumigatus The GenBank accession number for the A. fumigatus PHOA sequence reported in this paper is AF462065.. Microbiology (United Kingdom), 2002, 148, 2819-2829. | 1.8 | 61 |
| 66 | Biochemical characterization and surfactant properties of horse allergens. FEBS Journal, 2001, 268, 3126-3136. | 0.2 | 36 |
| 67 | Identification of the catalytic residues of the first family of Î²(1â€’3)glucanosyltransferases identified in fungi. Biochemical Journal, 2000, 347, 741. | 3.7 | 21 |
| 68 | Identification of the catalytic residues of the first family of Î²(1â€“3)glucanosyltransferases identified in fungi. Biochemical Journal, 2000, 347, 741-747. | 3.7 | 66 |
| 69 | Bacterial SLH domain proteins are non-covalently anchored to the cell surface via a conserved mechanism involving wall polysaccharide pyruvylation. EMBO Journal, 2000, 19, 4473-4484. | 7.8 | 296 |
| 70 | Glycosylphosphatidylinositol-anchored Glucanosyltransferases Play an Active Role in the Biosynthesis of the Fungal Cell Wall. Journal of Biological Chemistry, 2000, 275, 14882-14889. | 3.4 | 308 |
| 71 | Molecular Organization of the Alkali-insoluble Fraction ofAspergillus fumigatus Cell Wall. Journal of Biological Chemistry, 2000, 275, 27594-27607. | 3.4 | 342 |
| 72 | Molecular organization of the alkali-insoluble fraction of Aspergillus fumigatus cell wall.. Journal of Biological Chemistry, 2000, 275, 41528-41530. | 3.4 | 39 |

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| 73 | Neutral trehalases catalyse intracellular trehalose breakdown in the filamentous fungi Aspergillus nidulans and Neurospora crassa. Molecular Microbiology, 1999, 32, 471-483. | 2.5 | 101 |
| 74 | Identification of two glycosylated components of Mycoplasma penetrans: a surface-exposed capsular polysaccharide and a glycolipid fraction. Microbiology (United Kingdom), 1998, 144, 1247-1255. | 1.8 | 19 |
| 75 | Streptococcus pyogenes protein F promotes invasion of HeLa cells. Microbiology (United Kingdom), 1998, 144, 3079-3086. | 1.8 | 89 |
| 76 | From the surface to the inner layer of the fungal cell wall. Biochemical Society Transactions, 1997, 25, 194-199. | 3.4 | 33 |
| 77 | Differential patterns of activity displayed by two exo-beta-1,3-glucanases associated with the Aspergillus fumigatus cell wall. Journal of Bacteriology, 1997, 179, 3154-3163. | 2.2 | 44 |
| 78 | Purification and Characterization of an Endo-1,3-beta-Glucanase from Aspergillus fumigatus. FEBS Journal, 1997, 243, 315-321. | 0.2 | 72 |
| 79 | Molecular characterization of the Aspergillus nidulans treA gene encoding an acid trehalase required for growth on trehalose. Molecular Microbiology, 1997, 24, 203-216. | 2.5 | 110 |
| 80 | A Novel Î²-( , , )-Glucanosyltransferase from the Cell Wall of Aspergillus fumigatus. Journal of Biological Chemistry, 1996, 271, 26843-26849. | 3.4 | 114 |
| 81 | Differentiation of Capsular Polysaccharides from Acetobacter diazotrophicus Strains Isolated from Sugarcane. Microbiology and Immunology, 1995, 39, 237-242. | 1.4 | 7 |
| 82 | A new procedure for the reduction of uronic acid containing polysaccharides. Journal of Microbiological Methods, 1994, 20, 149-157. | 1.6 | 16 |
| 83 | Isolation and characterisation of hemicelluloses from sunflower hulls. Carbohydrate Research, 1993, 243, 323-332. | 2.3 | 23 |
| 84 | Production, isolation and preliminary characterization of the exopolysaccharide of the cyanobacterium Spirulina platensis. Biotechnology Letters, 1993, 15, 567-572. | 2.2 | 82 |
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| 86 | Exopolysaccharide structure from Bacillus circulans. FEBS Journal, 1991, 196, 107-113. | 0.2 | 11 |
| 87 | Structural investigation of an acidic polysaccharide from a deep-sea hydrothermal vent marine bacterium. Food Hydrocolloids, 1991, 5, 171-172. | 10.7 | 22 |
| 88 | Analysis of pyruvic acid acetal containing polysaccharides by methanolysis and reductive cleavage methods. Analytical Biochemistry, 1991, 199, 154-161. | 2.4 | 18 |