

Jean-Louis Herrmann

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

4,587
citations

38
h-index

66
g-index

106
ext. papers

5,654
ext. citations

5.8
avg, IF

5.34
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 96 | DC-SIGN is the major Mycobacterium tuberculosis receptor on human dendritic cells. <i>Journal of Experimental Medicine</i> , 2003 , 197, 121-7 | 16.6 | 516 |
| 95 | Non mycobacterial virulence genes in the genome of the emerging pathogen Mycobacterium abscessus. <i>PLoS ONE</i> , 2009 , 4, e5660 | 3.7 | 241 |
| 94 | US Cystic Fibrosis Foundation and European Cystic Fibrosis Society consensus recommendations for the management of non-tuberculous mycobacteria in individuals with cystic fibrosis. <i>Thorax</i> , 2016 , 71 Suppl 1, i1-22 | 7.3 | 230 |
| 93 | Mycobacterium abscessus cording prevents phagocytosis and promotes abscess formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E943-52 | 11.5 | 208 |
| 92 | The cell surface receptor DC-SIGN discriminates between Mycobacterium species through selective recognition of the mannose caps on lipoarabinomannan. <i>Journal of Biological Chemistry</i> , 2003 , 278, 5513-54 | 5.4 | 197 |
| 91 | Non-tuberculous mycobacteria and the rise of Mycobacterium abscessus. <i>Nature Reviews Microbiology</i> , 2020 , 18, 392-407 | 22.2 | 152 |
| 90 | Constrained intracellular survival of Mycobacterium tuberculosis in human dendritic cells. <i>Journal of Immunology</i> , 2003 , 170, 1939-48 | 5.3 | 133 |
| 89 | DC-SIGN induction in alveolar macrophages defines privileged target host cells for mycobacteria in patients with tuberculosis. <i>PLoS Medicine</i> , 2005 , 2, e381 | 11.6 | 123 |
| 88 | US Cystic Fibrosis Foundation and European Cystic Fibrosis Society consensus recommendations for the management of non-tuberculous mycobacteria in individuals with cystic fibrosis: executive summary. <i>Thorax</i> , 2016 , 71, 88-90 | 7.3 | 118 |
| 87 | Identification and characterization of the genetic changes responsible for the characteristic smooth-to-rough morphotype alterations of clinically persistent Mycobacterium abscessus. <i>Molecular Microbiology</i> , 2013 , 90, 612-29 | 4.1 | 95 |
| 86 | β-Lactamase inhibition by avibactam in Mycobacterium abscessus. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 1051-8 | 5.1 | 88 |
| 85 | Acute respiratory failure involving an R variant of Mycobacterium abscessus. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 271-4 | 9.7 | 87 |
| 84 | Deciphering the molecular bases of Mycobacterium tuberculosis binding to the lectin DC-SIGN reveals an underestimated complexity. <i>Biochemical Journal</i> , 2005 , 392, 615-24 | 3.8 | 86 |
| 83 | Lipoprotein access to MHC class I presentation during infection of murine macrophages with live mycobacteria. <i>Journal of Immunology</i> , 2001 , 166, 447-57 | 5.3 | 83 |
| 82 | The peptidoglycan of Mycobacterium abscessus is predominantly cross-linked by L,D-transpeptidases. <i>Journal of Bacteriology</i> , 2011 , 193, 778-82 | 3.5 | 74 |
| 81 | Outbreak of Klebsiella pneumoniae producing transferable AmpC-type beta-lactamase (ACC-1) originating from Hafnia alvei. <i>FEMS Microbiology Letters</i> , 2000 , 187, 35-40 | 2.9 | 73 |
| 80 | The distinct fate of smooth and rough Mycobacterium abscessus variants inside macrophages. <i>Open Biology</i> , 2016 , 6, | 7 | 73 |

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| 79 | Robustness of two MALDI-TOF mass spectrometry systems for bacterial identification. <i>Journal of Microbiological Methods</i> , 2012 , 89, 133-6 | 2.8 | 71 |
| 78 | Comparing Mycobacterium massiliense and Mycobacterium abscessus lung infections in cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2015 , 14, 63-9 | 4.1 | 70 |
| 77 | The MPB83 antigen from Mycobacterium bovis contains O-linked mannose and (1-->3)-mannobiose moieties. <i>Journal of Biological Chemistry</i> , 2003 , 278, 16423-32 | 5.4 | 70 |
| 76 | The diverse family of MmpL transporters in mycobacteria: from regulation to antimicrobial developments. <i>Molecular Microbiology</i> , 2017 , 104, 889-904 | 4.1 | 67 |
| 75 | Mycobacterium avium and Mycobacterium abscessus complex target distinct cystic fibrosis patient subpopulations. <i>Journal of Cystic Fibrosis</i> , 2013 , 12, 74-80 | 4.1 | 66 |
| 74 | A new piperidinol derivative targeting mycolic acid transport in Mycobacterium abscessus. <i>Molecular Microbiology</i> , 2016 , 101, 515-29 | 4.1 | 65 |
| 73 | Insights into the smooth-to-rough transitioning in Mycobacterium boletii unravels a functional Tyr residue conserved in all mycobacterial MmpL family members. <i>Molecular Microbiology</i> , 2016 , 99, 866-83 | 4.1 | 63 |
| 72 | Identification of genes required for growth in vivo with a prominent role of the ESX-4 locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E1002-E1011 | 11.5 | 61 |
| 71 | Overexpression of proinflammatory TLR-2-signalling lipoproteins in hypervirulent mycobacterial variants. <i>Cellular Microbiology</i> , 2011 , 13, 692-704 | 3.9 | 54 |
| 70 | Inhibition of the β -Lactamase Bla by Avibactam Improves the and Efficacy of Imipenem against Mycobacterium abscessus. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61, | 5.9 | 54 |
| 69 | In vivo assessment of drug efficacy against Mycobacterium abscessus using the embryonic zebrafish test system. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 4054-63 | 5.9 | 53 |
| 68 | Bedaquiline Inhibits the ATP Synthase in Mycobacterium abscessus and Is Effective in Infected Zebrafish. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61, | 5.9 | 52 |
| 67 | Mycobacterium abscessus-Induced Granuloma Formation Is Strictly Dependent on TNF Signaling and Neutrophil Trafficking. <i>PLoS Pathogens</i> , 2016 , 12, e1005986 | 7.6 | 51 |
| 66 | Deletion of a dehydratase important for intracellular growth and cording renders rough Mycobacterium abscessus avirulent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4228-37 | 11.5 | 47 |
| 65 | The Diverse Cellular and Animal Models to Decipher the Physiopathological Traits of Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 100 | 5.9 | 46 |
| 64 | Analysis of post-translational modification of mycobacterial proteins using a cassette expression system. <i>FEBS Letters</i> , 2000 , 473, 358-62 | 3.8 | 45 |
| 63 | Genome-wide mosaicism within Mycobacterium abscessus: evolutionary and epidemiological implications. <i>BMC Genomics</i> , 2016 , 17, 118 | 4.5 | 44 |
| 62 | Septic shock caused by Ochrobactrum anthropi in an otherwise healthy host. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 1339-41 | 9.7 | 44 |

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|----|--|------|----|
| 61 | Detailed contact data and the dissemination of <i>Staphylococcus aureus</i> in hospitals. <i>PLoS Computational Biology</i> , 2015 , 11, e1004170 | 5 | 43 |
| 60 | Decreased susceptibility to teicoplanin and vancomycin in coagulase-negative <i>Staphylococci</i> isolated from orthopedic-device-associated infections. <i>Journal of Clinical Microbiology</i> , 2010 , 48, 1428-39 | 9.7 | 40 |
| 59 | <i>Mycobacterium abscessus</i> phospholipase C expression is induced during coculture within amoebae and enhances <i>M. abscessus</i> virulence in mice. <i>Infection and Immunity</i> , 2015 , 83, 780-91 | 3.7 | 39 |
| 58 | Glycopeptidolipids, a Double-Edged Sword of the Complex. <i>Frontiers in Microbiology</i> , 2018 , 9, 1145 | 5.7 | 38 |
| 57 | Use of the INNO-LiPA-MYCOBACTERIA assay (version 2) for identification of <i>Mycobacterium avium</i> - <i>Mycobacterium intracellulare</i> - <i>Mycobacterium scrofulaceum</i> complex isolates. <i>Journal of Clinical Microbiology</i> , 2005 , 43, 2567-74 | 9.7 | 38 |
| 56 | Deciphering and Imaging Pathogenesis and Cording of <i>Mycobacterium abscessus</i> in Zebrafish Embryos. <i>Journal of Visualized Experiments</i> , 2015 , | 1.6 | 36 |
| 55 | Temporal dynamics of interferon gamma responses in children evaluated for tuberculosis. <i>PLoS ONE</i> , 2009 , 4, e4130 | 3.7 | 36 |
| 54 | Fluoroquinolone use is a risk factor for methicillin-resistant <i>Staphylococcus aureus</i> acquisition in long-term care facilities: a nested case-case-control study. <i>Clinical Infectious Diseases</i> , 2014 , 59, 206-15 | 11.6 | 32 |
| 53 | Synergic inhibitory activity of amphotericin-B and gamma interferon against intracellular <i>Cryptococcus neoformans</i> in murine macrophages. <i>Journal of Antimicrobial Chemotherapy</i> , 1994 , 34, 1051-8 | 5.1 | 32 |
| 52 | Intermediate maturation of <i>Mycobacterium tuberculosis</i> LAM-activated human dendritic cells. <i>Cellular Microbiology</i> , 2007 , 9, 1412-25 | 3.9 | 31 |
| 51 | Revisiting the role of phospholipases C in virulence and the lifecycle of <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , 2015 , 5, 16918 | 4.9 | 30 |
| 50 | Inhaled therapies, azithromycin and <i>Mycobacterium abscessus</i> in cystic fibrosis patients. <i>European Respiratory Journal</i> , 2013 , 41, 1101-6 | 13.6 | 30 |
| 49 | CFTR Protects against <i>Mycobacterium abscessus</i> Infection by Fine-Tuning Host Oxidative Defenses. <i>Cell Reports</i> , 2019 , 26, 1828-1840.e4 | 10.6 | 29 |
| 48 | Bacterial phospholipases C as vaccine candidate antigens against cystic fibrosis respiratory pathogens: the <i>Mycobacterium abscessus</i> model. <i>Vaccine</i> , 2015 , 33, 2118-24 | 4.1 | 25 |
| 47 | Plasmid-mediated rifampin resistance encoded by an <i>arr-2</i> -like gene cassette in <i>Klebsiella pneumoniae</i> producing an ACC-1 class C beta-lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2001 , 45, 2971-2 | 5.9 | 25 |
| 46 | Active Benzimidazole Derivatives Targeting the MmpL3 Transporter in. <i>ACS Infectious Diseases</i> , 2020 , 6, 324-337 | 5.5 | 25 |
| 45 | B-cell immune responses in HIV positive and HIV negative patients with tuberculosis evaluated with an ELISA using a glycolipid antigen. <i>Tuberculosis</i> , 2007 , 87, 109-22 | 2.6 | 24 |
| 44 | MmpL8 controls virulence and production of a previously unknown glycolipid family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10147-E10156 | 11.5 | 23 |

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| 43 | Mycobacterium tuberculosis evolutionary pathogenesis and its putative impact on drug development. <i>Future Microbiology</i> , 2014 , 9, 969-85 | 2.9 | 22 |
| 42 | Dendritic cells and Mycobacterium tuberculosis: which is the Trojan horse?. <i>Pathologie Et Biologie</i> , 2005 , 53, 35-40 | | 22 |
| 41 | MgtC as a Host-Induced Factor and Vaccine Candidate against Mycobacterium abscessus Infection. <i>Infection and Immunity</i> , 2016 , 84, 2895-903 | 3.7 | 22 |
| 40 | Scrutiny of Mycobacterium tuberculosis 19 kDa antigen proteoforms provides new insights in the lipoglycoprotein biogenesis paradigm. <i>Scientific Reports</i> , 2017 , 7, 43682 | 4.9 | 18 |
| 39 | Gardnerella vaginalis acute hip arthritis in a renal transplant recipient. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 264-5 | 9.7 | 18 |
| 38 | Conditional gene expression in Mycobacterium abscessus. <i>PLoS ONE</i> , 2011 , 6, e29306 | 3.7 | 18 |
| 37 | Ruminococcus gnavus total hip arthroplasty infection in a 62-year-old man with ulcerative colitis. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 1428-30 | 9.7 | 17 |
| 36 | Cyclophostin and Cyclophostins analogues, new promising molecules to treat mycobacterial-related diseases. <i>International Journal of Antimicrobial Agents</i> , 2018 , 51, 651-654 | 14.3 | 17 |
| 35 | Cyclophostins and Cyclophostin Analogues as Multitarget Inhibitors That Impair Growth of. <i>ACS Infectious Diseases</i> , 2019 , 5, 1597-1608 | 5.5 | 17 |
| 34 | Mycobacterium abscessus virulence traits unraveled by transcriptomic profiling in amoeba and macrophages. <i>PLoS Pathogens</i> , 2019 , 15, e1008069 | 7.6 | 16 |
| 33 | Controlling Extra- and Intramacrophagic by Targeting Mycolic Acid Transport. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 388 | 5.9 | 16 |
| 32 | Neutrophil killing of Mycobacterium abscessus by intra- and extracellular mechanisms. <i>PLoS ONE</i> , 2018 , 13, e0196120 | 3.7 | 15 |
| 31 | Genetic determination of the effect of post-translational modification on the innate immune response to the 19 kDa lipoprotein of Mycobacterium tuberculosis. <i>BMC Microbiology</i> , 2009 , 9, 93 | 4.5 | 15 |
| 30 | Close proximity interactions support transmission of ESBL-K. pneumoniae but not ESBL-E. coli in healthcare settings. <i>PLoS Computational Biology</i> , 2019 , 15, e1006496 | 5 | 14 |
| 29 | Verapamil Improves the Activity of Bedaquiline against Mycobacterium abscessus In Vitro and in Macrophages. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63, | 5.9 | 13 |
| 28 | Interindividual Contacts and Carriage of Methicillin-Resistant Staphylococcus aureus: A Nested Case-Control Study. <i>Infection Control and Hospital Epidemiology</i> , 2015 , 36, 922-9 | 2 | 12 |
| 27 | Efficacy of Bedaquiline, Alone or in Combination with Imipenem, against Mycobacterium abscessus in C3HeB/FeJ Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64, | 5.9 | 12 |
| 26 | Genetic analysis of glycopeptide-resistant Staphylococcus epidermidis strains from bone and joint infections. <i>Journal of Clinical Microbiology</i> , 2013 , 51, 1014-9 | 9.7 | 11 |

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| 25 | Structure-Based Design and Synthesis of Piperidinol-Containing Molecules as New Inhibitors. <i>ChemistryOpen</i> , 2020 , 9, 351-365 | 2.3 | 10 |
| 24 | Lsr2 Is an Important Determinant of Intracellular Growth and Virulence in. <i>Frontiers in Microbiology</i> , 2019 , 10, 905 | 5.7 | 8 |
| 23 | Risk factors for respiratory tract bacterial colonization in adults with neuromuscular or neurological disorders and chronic tracheostomy. <i>Respiratory Medicine</i> , 2019 , 152, 32-36 | 4.6 | 8 |
| 22 | Identifying more epidemic clones during a hospital outbreak of multidrug-resistant <i>Acinetobacter baumannii</i> . <i>PLoS ONE</i> , 2012 , 7, e45758 | 3.7 | 8 |
| 21 | Multicenter evaluation of a pathogenic mycobacterium screening probe. <i>Journal of Clinical Microbiology</i> , 2001 , 39, 2687-9 | 9.7 | 8 |
| 20 | Diagnosing latent tuberculosis infection in the HIV era. <i>Open Respiratory Medicine Journal</i> , 2008 , 2, 52-9 | 1.1 | 8 |
| 19 | The first wave of COVID-19 in hospital staff members of a tertiary care hospital in the greater Paris area: A surveillance and risk factors study. <i>International Journal of Infectious Diseases</i> , 2021 , 105, 172-179 | 10.5 | 8 |
| 18 | Quantiferon-TB Gold: performance for ruling out active tuberculosis in HIV-infected adults with high CD4 count in CÔte d'Ivoire, West Africa. <i>PLoS ONE</i> , 2014 , 9, e107245 | 3.7 | 7 |
| 17 | Predicting susceptibility to tuberculosis based on gene expression profiling in dendritic cells. <i>Scientific Reports</i> , 2017 , 7, 5702 | 4.9 | 6 |
| 16 | Structural and functional characterization of an arylamine N-acetyltransferase from the pathogen <i>Mycobacterium abscessus</i> : differences from other mycobacterial isoforms and implications for selective inhibition. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 3066-79 | | 6 |
| 15 | Versatile and flexible microfluidic qPCR test for high-throughput SARS-CoV-2 and cellular response detection in nasopharyngeal swab samples. <i>PLoS ONE</i> , 2021 , 16, e0243333 | 3.7 | 6 |
| 14 | Conserved and specialized functions of Type VII secretion systems in non-tuberculous mycobacteria. <i>Microbiology (United Kingdom)</i> , 2021 , 167, | 2.9 | 5 |
| 13 | Actinomycetoma Caused by <i>Actinomadura mexicana</i> , A Neglected Entity in the Caribbean. <i>Emerging Infectious Diseases</i> , 2020 , 26, 379-380 | 10.2 | 4 |
| 12 | Vaccine strategies against cystic fibrosis pathogens. <i>Human Vaccines and Immunotherapeutics</i> , 2016 , 12, 751-6 | 4.4 | 4 |
| 11 | Identification of Virulence Markers of <i>Mycobacterium abscessus</i> for Intracellular Replication in Phagocytes. <i>Journal of Visualized Experiments</i> , 2018 , | 1.6 | 4 |
| 10 | Liposomal drug delivery to manage nontuberculous mycobacterial pulmonary disease and other chronic lung infections. <i>European Respiratory Review</i> , 2021 , 30, | 9.8 | 3 |
| 9 | A mobile DNA laboratory for forensic science adapted to coronavirus SARS-CoV-2 diagnosis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021 , 40, 197-200 | 5.3 | 3 |
| 8 | Fluoroquinolone Impact on Nasal Methicillin-Resistant and Methicillin-Sensitive <i>Staphylococcus aureus</i> Colonization Durations in Neurologic Long-Term-Care Facilities. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 7621-8 | 5.9 | 2 |

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|---|---|-----|---|
| 7 | A TLR2-Activating Fraction From Rough Variant Demonstrates Vaccine and Diagnostic Potential. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 432 | 5.9 | 2 |
| 6 | Serological biomarkers for the diagnosis of Mycobacterium abscessus infections in cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2021 , | 4.1 | 2 |
| 5 | Tuberculosis in patients with and without primary health coverage. <i>European Journal of Internal Medicine</i> , 2002 , 13, 180-184 | 3.9 | 1 |
| 4 | Cutibacterium acnes clonal complexes display various growth rates in blood culture vials used for diagnosing orthopedic device-related infections. <i>Anaerobe</i> , 2021 , 72, 102469 | 2.8 | 1 |
| 3 | Guidelines for the management of accidental exposure to Brucella in a country with no case of brucellosis in ruminant animals. <i>Medecine Et Maladies Infectieuses</i> , 2020 , 50, 480-485 | 4 | 0 |
| 2 | IgA Serological Response for the Diagnosis of Mycobacterium abscessus Infections in Patients with Cystic Fibrosis.. <i>Microbiology Spectrum</i> , 2022 , e0019222 | 8.9 | 0 |
| 1 | Méthodes moléculaires et automatisation en microbiologie. <i>Revue Francophone Des Laboratoires</i> , 2016 , 2016, 35-37 | 0 | |