

# Four-Gene Pan-African Blood Signature Predicts Progre

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Citation Report

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Research and development of new tuberculosis vaccines: a review. <i>F1000Research</i> , 2018, 7, 1732.  | 1.6  | 38        |
| 2  | Diagnosis of HIV-associated tuberculosis. <i>Current Opinion in HIV and AIDS</i> , 2018, 13, 462-468.   | 3.8  | 6         |
| 3  | Metabolite changes in blood predict the onset of tuberculosis. <i>Nature Communications</i> , 2018, 9, 5208.  | 12.8 | 129       |
| 5  | Can we predict tuberculosis cure? What tools are available?. <i>European Respiratory Journal</i> , 2018, 52, 1801089.   | 6.7  | 73        |
| 6  | Systems approaches to correlates of protection and progression to TB disease. <i>Seminars in Immunology</i> , 2018, 39, 81-87.  | 5.6  | 14        |
| 8  | The value of transcriptomics in advancing knowledge of the immune response and diagnosis in tuberculosis. <i>Nature Immunology</i> , 2018, 19, 1159-1168.   | 14.5 | 88        |
| 9  | Pathogen-based precision medicine for drug-resistant tuberculosis. <i>PLoS Pathogens</i> , 2018, 14, e1007297.  | 4.7  | 43        |
| 10 | Genetic Resistance to <i>Mycobacterium tuberculosis</i> Infection and Disease. <i>Frontiers in Immunology</i> , 2018, 9, 2219.  | 4.8  | 29        |
| 11 | Addressing diversity in tuberculosis using multidimensional approaches. <i>Journal of Internal Medicine</i> , 2018, 284, 116-124.   | 6.0  | 6         |
| 12 | Genome wide approaches discover novel <i>Mycobacterium tuberculosis</i> antigens as correlates of infection, disease, immunity and targets for vaccination. <i>Seminars in Immunology</i> , 2018, 39, 88-101.   | 5.6  | 52        |
| 13 | An evaluation framework for new tests that predict progression from tuberculosis infection to clinical disease. <i>European Respiratory Journal</i> , 2018, 52, 1800946.  | 6.7  | 27        |
| 15 | Where is tuberculosis transmission happening? Insights from the literature, new tools to study transmission and implications for the elimination of tuberculosis. <i>Respirology</i> , 2018, 23, 807-817.       | 2.3  | 17        |
| 16 | Latent tuberculosis infection: Opportunities and challenges. <i>Respirology</i> , 2018, 23, 893-900.  | 2.3  | 63        |
| 17 | Potential population level impact on tuberculosis incidence of using an mRNA expression signature correlate-of-risk test to target tuberculosis preventive therapy. <i>Scientific Reports</i> , 2019, 9, 11126. | 3.3  | 13        |
| 18 | The <i>Mycobacterial</i> HBHA Protein: A Promising Biomarker for Tuberculosis. <i>Current Medicinal Chemistry</i> , 2019, 26, 2051-2060.  | 2.4  | 14        |
| 19 | Predicting bacterial infection outcomes using single cell RNA-sequencing analysis of human immune cells. <i>Nature Communications</i> , 2019, 10, 3266.   | 12.8 | 62        |
| 20 | Tuberculosis Progression Does Not Necessarily Equate with a Failure of Immune Control. <i>Microorganisms</i> , 2019, 7, 185.  | 3.6  | 0         |
| 21 | A rapid triage test for active pulmonary tuberculosis in adult patients with persistent cough. <i>Science Translational Medicine</i> , 2019, 11, .  | 12.4 | 44        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 22 | Tuberculosis Vaccine Development: Progress in Clinical Evaluation. <i>Clinical Microbiology Reviews</i> , 2019, 33, .   | 13.6 | 70        |
| 23 | Detection of Tuberculosis Recurrence, Diagnosis and Treatment Response by a Blood Transcriptomic Risk Signature in HIV-Infected Persons on Antiretroviral Therapy. <i>Frontiers in Microbiology</i> , 2019, 10, 1441.           | 3.5  | 46        |
| 24 | Predicting progression to active tuberculosis: A rate-limiting step on the path to elimination. <i>PLoS Medicine</i> , 2019, 16, e1002814.  | 8.4  | 8         |
| 25 | Performance of host blood transcriptomic signatures for diagnosing and predicting progression to tuberculosis disease in HIV-negative adults and adolescents: a systematic review protocol. <i>BMJ Open</i> , 2019, 9, e026612. | 1.9  | 7         |
| 26 | Host-response-based gene signatures for tuberculosis diagnosis: A systematic comparison of 16 signatures. <i>PLoS Medicine</i> , 2019, 16, e1002786.  | 8.4  | 137       |
| 27 | Update in Lung Infections and Tuberculosis 2018. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 414-422.  | 5.6  | 1         |
| 28 | Discovery and validation of a prognostic proteomic signature for tuberculosis progression: A prospective cohort study. <i>PLoS Medicine</i> , 2019, 16, e1002781.   | 8.4  | 72        |
| 29 | Immunometabolic Signatures Predict Risk of Progression to Active Tuberculosis and Disease Outcome. <i>Frontiers in Immunology</i> , 2019, 10, 527.  | 4.8  | 40        |
| 30 | Designing tuberculosis vaccine efficacy trials – lessons from recent studies. <i>Expert Review of Vaccines</i> , 2019, 18, 423-432.   | 4.4  | 20        |
| 31 | Blood Transcriptomic Stratification of Short-term Risk in Contacts of Tuberculosis. <i>Clinical Infectious Diseases</i> , 2020, 70, 731-737.  | 5.8  | 66        |
| 32 | Host Transcriptomics as a Tool to Identify Diagnostic and Mechanistic Immune Signatures of Tuberculosis. <i>Frontiers in Immunology</i> , 2019, 10, 221.  | 4.8  | 31        |
| 33 | Biomarkers for tuberculosis: the case for lipoarabinomannan. <i>ERJ Open Research</i> , 2019, 5, 00115-2018.  | 2.6  | 47        |
| 34 | Latent tuberculosis infection: diagnostic tests and when to treat. <i>Lancet Infectious Diseases</i> , The, 2019, 19, 231-233.  | 9.1  | 15        |
| 35 | Indoleamine 2, 3-Dioxygenase-Mediated Tryptophan Catabolism: A Leading Star or Supporting Act in the Tuberculosis and HIV Pas-de-Deux?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 372.                 | 3.9  | 14        |
| 36 | Diagnostic Tests for Latent Tuberculosis Infection. <i>Clinics in Chest Medicine</i> , 2019, 40, 829-837.   | 2.1  | 42        |
| 37 | Transcriptional Profiling of Human Peripheral Blood Mononuclear Cells Identifies Diagnostic Biomarkers That Distinguish Active and Latent Tuberculosis. <i>Frontiers in Immunology</i> , 2019, 10, 2948.                        | 4.8  | 32        |
| 38 | Paradigm changing evidence that alter tuberculosis perception and detection: Focus on latency. <i>Infection, Genetics and Evolution</i> , 2019, 72, 78-85.  | 2.3  | 4         |
| 39 | Advances in multiplex nucleic acid diagnostics for blood-borne pathogens: promises and pitfalls - an update. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 15-25.   | 3.1  | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 40 | Current approaches toward identifying a correlate of immune protection from tuberculosis. <i>Expert Review of Vaccines</i> , 2019, 18, 43-59.  | 4.4 | 18        |
| 41 | Moving toward Tuberculosis Elimination. <i>Critical Issues for Research in Diagnostics and Therapeutics for Tuberculosis Infection. American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 564-571.                 | 5.6 | 20        |
| 42 | Tuberculosis Elimination, Research, and Respect for Persons. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 560-563.   | 5.6 | 7         |
| 43 | Plasma Biomarkers to Detect Prevalent or Predict Progressive Tuberculosis Associated With Human Immunodeficiency Virus-1. <i>Clinical Infectious Diseases</i> , 2019, 69, 295-305.   | 5.8 | 10        |
| 44 | Changes in Transcript, Metabolite, and Antibody Reactivity During the Early Protective Immune Response in Humans to <i>Mycobacterium tuberculosis</i> Infection. <i>Clinical Infectious Diseases</i> , 2020, 71, 30-40.                  | 5.8 | 19        |
| 45 | Host-Directed Therapy as a Novel Treatment Strategy to Overcome Tuberculosis: Targeting Immune Modulation. <i>Antibiotics</i> , 2020, 9, 21.   | 3.7 | 28        |
| 46 | Two Clinical Prediction Tools to Improve Tuberculosis Contact Investigation. <i>Clinical Infectious Diseases</i> , 2020, 71, e338-e350.  | 5.8 | 9         |
| 47 | Cross-validation of existing signatures and derivation of a novel 29-gene transcriptomic signature predictive of progression to TB in a Brazilian cohort of household contacts of pulmonary TB. <i>Tuberculosis</i> , 2020, 120, 101898. | 1.9 | 20        |
| 48 | Quantitative IFN- $\gamma$ Release Assay and Tuberculin Skin Test Results to Predict Incident Tuberculosis. A Prospective Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 984-991.          | 5.6 | 29        |
| 50 | <i>Candida</i> coinfection among patients with pulmonary tuberculosis in Asia and Africa; A systematic review and meta-analysis of cross-sectional studies. <i>Microbial Pathogenesis</i> , 2020, 139, 103898.                           | 2.9 | 9         |
| 51 | Tuberculosis-Associated MicroRNAs: From Pathogenesis to Disease Biomarkers. <i>Cells</i> , 2020, 9, 2160.  | 4.1 | 47        |
| 52 | HIV and the tuberculosis "set point": how HIV impairs alveolar macrophage responses to tuberculosis and sets the stage for progressive disease. <i>Retrovirology</i> , 2020, 17, 32.   | 2.0 | 10        |
| 53 | Clinical variables and gene signatures in tuberculosis. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 1227-1229.  | 9.1 | 0         |
| 54 | Blood RNA signatures predict recent tuberculosis exposure in mice, macaques and humans. <i>Scientific Reports</i> , 2020, 10, 16873.   | 3.3 | 4         |
| 55 | An RNA-seq Based Machine Learning Approach Identifies Latent Tuberculosis Patients With an Active Tuberculosis Profile. <i>Frontiers in Immunology</i> , 2020, 11, 1470.   | 4.8 | 25        |
| 56 | A blood RNA transcript signature for TB exposure in household contacts. <i>BMC Infectious Diseases</i> , 2020, 20, 403.  | 2.9 | 10        |
| 57 | Key recent advances in TB vaccine development and understanding of protective immune responses against <i>Mycobacterium tuberculosis</i> . <i>Seminars in Immunology</i> , 2020, 50, 101431.   | 5.6 | 57        |
| 58 | Diagnostic accuracy of plasma kynurenine/tryptophan ratio, measured by enzyme-linked immunosorbent assay, for pulmonary tuberculosis. <i>International Journal of Infectious Diseases</i> , 2020, 99, 441-448.                           | 3.3 | 12        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 59 | Perspective for Precision Medicine for Tuberculosis. <i>Frontiers in Immunology</i> , 2020, 11, 566608.  | 4.8  | 35        |
| 60 | Performance of diagnostic and predictive host blood transcriptomic signatures for Tuberculosis disease: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2020, 15, e0237574.   | 2.5  | 39        |
| 61 | Distinct Features of Human Myeloid Cell Cytokine Response Profiles Identify Neutrophil Activation by Cytokines as a Prognostic Feature during Tuberculosis and Cancer. <i>Journal of Immunology</i> , 2020, 204, 3389-3399.  | 0.8  | 4         |
| 62 | Combination of mean spot sizes of ESAT-6 spot-forming cells and modified tuberculosis-specific antigen/phytohemagglutinin ratio of T-SPOT.TB assay in distinguishing between active tuberculosis and latent tuberculosis infection. <i>Journal of Infection</i> , 2020, 81, 81-89. | 3.3  | 11        |
| 63 | Impact of Intermediate Hyperglycemia and Diabetes on Immune Dysfunction in Tuberculosis. <i>Clinical Infectious Diseases</i> , 2021, 72, 69-78.  | 5.8  | 26        |
| 64 | A combination of iron metabolism indexes and tuberculosis-specific antigen/phytohemagglutinin ratio for distinguishing active tuberculosis from latent tuberculosis infection. <i>International Journal of Infectious Diseases</i> , 2020, 97, 190-196.                            | 3.3  | 16        |
| 65 | Screening for candidate biomarkers of TB in stimulated blood: another step in the quest for a test?. <i>Thorax</i> , 2020, 75, 534-535.  | 5.6  | 0         |
| 66 | Vaccination Against Tuberculosis: Revamping BCG by Molecular Genetics Guided by Immunology. <i>Frontiers in Immunology</i> , 2020, 11, 316.  | 4.8  | 59        |
| 67 | Blood transcriptional biomarkers for active pulmonary tuberculosis in a high-burden setting: a prospective, observational, diagnostic accuracy study. <i>Lancet Respiratory Medicine</i> , 2020, 8, 407-419.   | 10.7 | 86        |
| 68 | Advances in the diagnosis and treatment of latent tuberculosis infection. <i>Current Opinion in Infectious Diseases</i> , 2020, 33, 166-172.   | 3.1  | 12        |
| 69 | Clinical Development of New TB Vaccines: Recent Advances and Next Steps. <i>Frontiers in Microbiology</i> , 2019, 10, 3154.  | 3.5  | 56        |
| 70 | Advancing new diagnostic tests for latent tuberculosis infection due to multidrug-resistant strains of <i>Mycobacterium tuberculosis</i> – End of the road?. <i>International Journal of Infectious Diseases</i> , 2020, 92, S69-S71.  | 3.3  | 12        |
| 71 | Concise whole blood transcriptional signatures for incipient tuberculosis: a systematic review and patient-level pooled meta-analysis. <i>Lancet Respiratory Medicine</i> , 2020, 8, 395-406.  | 10.7 | 128       |
| 72 | Latent Tuberculosis Infection – associated Immunodiagnostic Test Responses as Biomarkers of Incipient Tuberculosis: Fruitful or Futile?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 895-898.   | 5.6  | 3         |
| 73 | The Ratiometric Transcript Signature MX2/GPR183 Is Consistently Associated With RTS,S-Mediated Protection Against Controlled Human Malaria Infection. <i>Frontiers in Immunology</i> , 2020, 11, 669.  | 4.8  | 12        |
| 74 | Peripheral Blood Mucosal-Associated Invariant T Cells in Tuberculosis Patients and Healthy <i>Mycobacterium tuberculosis</i> -Exposed Controls. <i>Journal of Infectious Diseases</i> , 2020, 222, 995-1007.   | 4.0  | 19        |
| 75 | A transcriptional blood signature distinguishes early tuberculosis disease from latent tuberculosis infection and uninfected individuals in a Vietnamese cohort. <i>Journal of Infection</i> , 2020, 81, 72-80.  | 3.3  | 16        |
| 76 | Ultra-low Dose Aerosol Infection of Mice with <i>Mycobacterium tuberculosis</i> More Closely Models Human Tuberculosis. <i>Cell Host and Microbe</i> , 2021, 29, 68-82.e5.   | 11.0 | 62        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 77 | <i>Mycobacterium tuberculosis</i> complex and human coadaptation: a two-way street complicating host susceptibility to TB. <i>Human Molecular Genetics</i> , 2021, 30, R146-R153.   | 2.9 | 3         |
| 78 | Tuberculosis comorbidity with rheumatoid arthritis: Gene signatures, associated biomarkers, and screening. <i>IUBMB Life</i> , 2021, 73, 26-39.   | 3.4 | 6         |
| 79 | Tuberculous Meningitis: Pathogenesis, Immune Responses, Diagnostic Challenges, and the Potential of Biomarker-Based Approaches. <i>Journal of Clinical Microbiology</i> , 2021, 59, .   | 3.9 | 29        |
| 80 | Comparing tuberculosis gene signatures in malnourished individuals using the TBSignatureProfiler. <i>BMC Infectious Diseases</i> , 2021, 21, 106.   | 2.9 | 10        |
| 83 | Transcriptional signatures of human peripheral blood mononuclear cells can identify the risk of tuberculosis progression from latent infection among individuals with silicosis. <i>Emerging Microbes and Infections</i> , 2021, 10, 1536-1544. | 6.5 | 4         |
| 84 | Prediction of anti-tuberculosis treatment duration based on a 22-gene transcriptomic model. <i>European Respiratory Journal</i> , 2021, 58, 2003492.  | 6.7 | 27        |
| 85 | Inflammatory Determinants of Differential Tuberculosis Risk in Pre-Adolescent Children and Young Adults. <i>Frontiers in Immunology</i> , 2021, 12, 639965.   | 4.8 | 7         |
| 86 | Identification of Reduced Host Transcriptomic Signatures for Tuberculosis Disease and Digital PCR-Based Validation and Quantification. <i>Frontiers in Immunology</i> , 2021, 12, 637164.   | 4.8 | 25        |
| 87 | Blood-based host biomarker diagnostics in active case finding for pulmonary tuberculosis: A diagnostic case-control study. <i>EClinicalMedicine</i> , 2021, 33, 100776.   | 7.1 | 26        |
| 88 | Host transcriptional response to TB preventive therapy differentiates two sub-groups of IGRA-positive individuals. <i>Tuberculosis</i> , 2021, 127, 102033.   | 1.9 | 14        |
| 89 | Use of a Contained <i>Mycobacterium tuberculosis</i> Mouse Infection Model to Predict Active Disease and Containment in Humans. <i>Journal of Infectious Diseases</i> , 2022, 225, 1832-1840.   | 4.0 | 4         |
| 90 | BCG-induced protection against <i>Mycobacterium tuberculosis</i> infection: Evidence, mechanisms, and implications for next-generation vaccines. <i>Immunological Reviews</i> , 2021, 301, 122-144.   | 6.0 | 26        |
| 91 | Expression studies of tuberculosis susceptibility genes. <i>Russian Journal of Infection and Immunity</i> , 2021, 11, 209-222.  | 0.7 | 0         |
| 93 | Validation of Differentially Expressed Immune Biomarkers in Latent and Active Tuberculosis by Real-Time PCR. <i>Frontiers in Immunology</i> , 2020, 11, 612564.   | 4.8 | 16        |
| 94 | Immune Subtyping in Latent Tuberculosis. <i>Frontiers in Immunology</i> , 2021, 12, 595746.   | 4.8 | 8         |
| 95 | Blood RNA signature RISK4LEP predicts leprosy years before clinical onset. <i>EBioMedicine</i> , 2021, 68, 103379.  | 6.1 | 29        |
| 96 | Lymphocyte-Related Immunological Indicators for Stratifying <i>Mycobacterium tuberculosis</i> Infection. <i>Frontiers in Immunology</i> , 2021, 12, 658843.   | 4.8 | 10        |
| 97 | Combination of Blood Routine Examination and T-SPOT.TB Assay for Distinguishing Between Active Tuberculosis and Latent Tuberculosis Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 575650.                      | 3.9 | 8         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 98  | The Evaluation and Validation of Blood-Derived Novel Biomarkers for Precise and Rapid Diagnosis of Tuberculosis in Areas With High-TB Burden. <i>Frontiers in Microbiology</i> , 2021, 12, 650567.    | 3.5 | 9         |
| 99  | Reduced thyroxine production in young household contacts of tuberculosis patients increases active tuberculosis disease risk. <i>JCI Insight</i> , 2021, 6, .   | 5.0 | 5         |
| 101 | Gene Set Enrichment Analysis Reveals Individual Variability in Host Responses in Tuberculosis Patients. <i>Frontiers in Immunology</i> , 2021, 12, 694680.  | 4.8 | 5         |
| 102 | Blood transcriptomics reveal the evolution and resolution of the immune response in tuberculosis. <i>Journal of Experimental Medicine</i> , 2021, 218, .  | 8.5 | 36        |
| 103 | A <i>Mycobacterium tuberculosis</i> Specific IgG3 Signature of Recurrent Tuberculosis. <i>Frontiers in Immunology</i> , 2021, 12, 729186.   | 4.8 | 8         |
| 105 | The Tuberculosis Vaccine Development Pipeline: Present and Future Priorities and Challenges for Research and Innovation. , 2021, , 395-405.   |     | 4         |
| 106 | RISK6, a 6-gene transcriptomic signature of TB disease risk, diagnosis and treatment response. <i>Scientific Reports</i> , 2020, 10, 8629.  | 3.3 | 90        |
| 107 | Whole blood mRNA expression-based targets to discriminate active tuberculosis from latent infection and other pulmonary diseases. <i>Scientific Reports</i> , 2020, 10, 22072.                        | 3.3 | 10        |
| 113 | Aetiopathogenesis, immunology and microbiology of tuberculosis. , 0, , 62-82.   |     | 1         |
| 114 | What next? Basic research, new treatments and a patient-centred approach in controlling tuberculosis. , 0, , 414-429.   |     | 1         |
| 115 | Research and development of new tuberculosis vaccines: a review. <i>F1000Research</i> , 2018, 7, 1732.  | 1.6 | 27        |
| 116 | Latent tuberculosis infection: recent progress and challenges in South Korea. <i>Korean Journal of Internal Medicine</i> , 2020, 35, 269-275.   | 1.7 | 14        |
| 117 | Overcoming the impacts of two-step batch effect correction on gene expression estimation and inference. <i>Biostatistics</i> , 2023, 24, 635-652.   | 1.5 | 11        |
| 118 | Transcriptomic Biomarkers for Tuberculosis: Validation of NPC2 as a Single mRNA Biomarker to Diagnose TB, Predict Disease Progression, and Monitor Treatment Response. <i>Cells</i> , 2021, 10, 2704. | 4.1 | 3         |
| 119 | A 10-gene biosignature of tuberculosis treatment monitoring and treatment outcome prediction. <i>Tuberculosis</i> , 2021, 131, 102138.  | 1.9 | 10        |
| 120 | Overview of the HIV-Associated Tuberculosis Epidemic. , 2019, , 1-7.  |     | 0         |
| 123 | Host and Bacterial Iron Homeostasis, an Underexplored Area in Tuberculosis Biomarker Research. <i>Frontiers in Immunology</i> , 2021, 12, 742059.   | 4.8 | 8         |
| 124 | The impact of blood transcriptomic biomarker targeted tuberculosis preventive therapy in people living with HIV: a mathematical modelling study. <i>BMC Medicine</i> , 2021, 19, 252.                 | 5.5 | 4         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 125 | BCG and Novel Tuberculosis Vaccine Candidates in the Context of Immunodeficiencies. , 2020, , 51-62.  |      | 0         |
| 126 | BCG and Novel Tuberculosis Vaccine Candidates in the Context of Immunodeficiencies. , 2020, , 1-12.   |      | 0         |
| 128 | A Robust Host-Response-Based Signature Distinguishes Bacterial and Viral Infections Across Diverse Global Populations. SSRN Electronic Journal, 0, , .  | 0.4  | 2         |
| 129 | Plasma host protein biomarkers correlating with increasing Mycobacterium tuberculosis infection activity prior to tuberculosis diagnosis in people living with HIV. EBioMedicine, 2022, 75, 103787.                           | 6.1  | 12        |
| 130 | Development and validation of a parsimonious TB gene signature using the digital NanoString nCounter platform. Clinical Infectious Diseases, 2022, , .  | 5.8  | 2         |
| 132 | Framing the detection of incipient tuberculosis infection: A qualitative study of political prioritisation. Tropical Medicine and International Health, 2022, 27, 445-453.  | 2.3  | 1         |
| 133 | Contribution and Future of High-Throughput Transcriptomics in Battling Tuberculosis. Frontiers in Microbiology, 2022, 13, 835620.   | 3.5  | 3         |
| 135 | Diagnostic Advances in Childhood Tuberculosis – Improving Specimen Collection and Yield of Microbiological Diagnosis for Intrathoracic Tuberculosis. Pathogens, 2022, 11, 389.  | 2.8  | 14        |
| 136 | Prospective multicentre head-to-head validation of host blood transcriptomic biomarkers for pulmonary tuberculosis by real-time PCR. Communications Medicine, 2022, 2, .  | 4.2  | 15        |
| 137 | It Takes a Village: The Multifaceted Immune Response to Mycobacterium tuberculosis Infection and Vaccine-Induced Immunity. Frontiers in Immunology, 2022, 13, 840225.   | 4.8  | 19        |
| 138 | Point-of-care diagnostic tests for tuberculosis disease. Science Translational Medicine, 2022, 14, eabj4124.  | 12.4 | 18        |
| 140 | Latent Tuberculosis Infection Diagnosis among Household Contacts in a High Tuberculosis-Burden Area: a Comparison between Transcript Signature and Interferon Gamma Release Assay. Microbiology Spectrum, 2022, 10, e0244521. | 3.0  | 4         |
| 141 | The Association between Circulating microRNAs and the Risk of Active Disease Development from Latent Tuberculosis Infection: a Nested Case-Control Study. Microbiology Spectrum, 2022, 10, e0262521.                          | 3.0  | 4         |
| 166 | Mycobacterium tuberculosis infection, immune activation, and risk of HIV acquisition. PLoS ONE, 2022, 17, e0267729.   | 2.5  | 2         |
| 168 | Immunopathogenic overlap between COVID-19 and tuberculosis identified from transcriptomic meta-analysis and human macrophage infection. IScience, 2022, 25, 104464.   | 4.1  | 19        |
| 169 | A systematic review on Correlates of Risk of TB disease in children and adults. Indian Journal of Tuberculosis, 2022, , .   | 0.7  | 0         |
| 170 | Isoniazid preventive therapy and TB transcriptional signatures in people with HIV. Aids, 0, Publish Ahead of Print, .   | 2.2  | 0         |
| 172 | End-point definition and trial design to advance tuberculosis vaccine development. European Respiratory Review, 2022, 31, 220044.   | 7.1  | 7         |



| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 173 | Transcriptional profiles predict treatment outcome in patients with tuberculosis and diabetes at diagnosis and at two weeks after initiation of anti-tuberculosis treatment. <i>EBioMedicine</i> , 2022, 82, 104173. | 6.1  | 5         |
| 174 | Are mRNA based transcriptomic signatures ready for diagnosing tuberculosis in the clinic? - A review of evidence and the technological landscape. <i>EBioMedicine</i> , 2022, 82, 104174.                            | 6.1  | 11        |
| 176 | Malnutrition leads to increased inflammation and expression of tuberculosis risk signatures in recently exposed household contacts of pulmonary tuberculosis. <i>Frontiers in Immunology</i> , 0, 13, .              | 4.8  | 7         |
| 177 | Gene expression profiling identifies candidate biomarkers for new latent tuberculosis infections. A cohort study. <i>PLoS ONE</i> , 2022, 17, e0274257.  | 2.5  | 1         |
| 178 | System-wide identification of myeloid markers of TB disease and HIV-induced reactivation in the macaque model of Mtb infection and Mtb/SIV co-infection. <i>Frontiers in Immunology</i> , 0, 13, .                   | 4.8  | 4         |
| 179 | T-cell deficiency and hyperinflammatory monocyte responses associate with <i>Mycobacterium avium</i> complex lung disease. <i>Frontiers in Immunology</i> , 0, 13, .   | 4.8  | 5         |
| 180 | Advances in Diagnosis of Latent TB Infection: What Is the Latest Approach to Diagnose Latent TB Infection to Prevent TB?. <i>Respiratory Disease Series</i> , 2022, , 185-216.                                       | 0.0  | 0         |
| 182 | Utility of a three-gene transcriptomic signature in the diagnosis of tuberculosis in a low-endemic hospital setting. <i>Infectious Diseases</i> , 2023, 55, 44-54.   | 2.8  | 1         |
| 183 | Subsequent AS01-adjuvanted vaccinations induce similar transcriptional responses in populations with different disease statuses. <i>PLoS ONE</i> , 2022, 17, e0276505.   | 2.5  | 1         |
| 185 | Plasma host protein signatures correlating with <i>Mycobacterium tuberculosis</i> activity prior to and during antituberculosis treatment. <i>Scientific Reports</i> , 2022, 12, .                                   | 3.3  | 3         |
| 186 | Metabolites enhance innate resistance to human <i>Mycobacterium tuberculosis</i> infection. <i>JCI Insight</i> , 2022, 7, .  | 5.0  | 0         |
| 187 | A protein signature associated with active tuberculosis identified by plasma profiling and network-based analysis. <i>IScience</i> , 2022, 25, 105652.   | 4.1  | 5         |
| 188 | A robust host-response-based signature distinguishes bacterial and viral infections across diverse global populations. <i>Cell Reports Medicine</i> , 2022, 3, 100842.   | 6.5  | 6         |
| 189 | Neutrophil degranulation, NETosis and platelet degranulation pathway genes are co-induced in whole blood up to six months before tuberculosis diagnosis. <i>PLoS ONE</i> , 2022, 17, e0278295.                       | 2.5  | 4         |
| 190 | Immune cell interactions in tuberculosis. <i>Cell</i> , 2022, 185, 4682-4702.  | 28.9 | 39        |
| 191 | T cell receptor repertoires associated with control and disease progression following <i>Mycobacterium tuberculosis</i> infection. <i>Nature Medicine</i> , 2023, 29, 258-269.                                       | 30.7 | 23        |
| 192 | Host blood-based biosignatures for subclinical TB and incipient TB: A prospective study of adult TB household contacts in Southern India. <i>Frontiers in Immunology</i> , 0, 13, .                                  | 4.8  | 1         |
| 193 | Predictive performance of interferon-gamma release assays and the tuberculin skin test for incident tuberculosis: an individual participant data meta-analysis. <i>EClinicalMedicine</i> , 2023, 56, 101815.         | 7.1  | 12        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 194 | QuantiFERON Supernatant-Based Host Biomarkers Predicting Progression to Active Tuberculosis Disease Among Household Contacts of Tuberculosis Patients. <i>Clinical Infectious Diseases</i> , 2023, 76, 1802-1813. | 5.8  | 3         |
| 196 | Systematic review of diagnostic and prognostic host blood transcriptomic signatures of tuberculosis disease in people living with HIV. <i>Gates Open Research</i> , 0, 7, 27.                                     | 1.1  | 0         |
| 197 | Host Blood Transcriptional Signatures as Candidate Biomarkers for Predicting Progression to Active Tuberculosis. <i>Tuberculosis and Respiratory Diseases</i> , 2023, 86, 94-101.                                 | 1.8  | 2         |
| 198 | Functions of exosomal non-coding RNAs to the infection with <i>Mycobacterium tuberculosis</i> . <i>Frontiers in Immunology</i> , 0, 14, .   | 4.8  | 2         |
| 199 | Determinants of QuantiFERON Plus-diagnosed tuberculosis infection in adult Ugandan TB contacts: A cross-sectional study. <i>PLoS ONE</i> , 2023, 18, e0281559.  | 2.5  | 0         |
| 200 | Correlates of Protection from Tuberculosis. , 2023, , 99-137.   |      | 0         |
| 201 | Predicting Pediatric TB: The Need for Age-specific Host Biosignatures. <i>Clinical Infectious Diseases</i> , 0, , .   | 5.8  | 0         |
| 202 | Point-of-care test for tuberculosis - a boon in diagnosis. <i>Monaldi Archives for Chest Disease</i> , 0, , .   | 0.6  | 2         |
| 203 | Systematic review of diagnostic and prognostic host blood transcriptomic signatures of tuberculosis disease in people living with HIV. <i>Gates Open Research</i> , 0, 7, 27.                                     | 1.1  | 0         |
| 204 | Field evaluation of a point-of-care triage test for active tuberculosis (TriageTB). <i>BMC Infectious Diseases</i> , 2023, 23, .  | 2.9  | 0         |
| 205 | Characterizing the landscape of gene expression variance in humans. <i>PLoS Genetics</i> , 2023, 19, e1010833.  | 3.5  | 1         |
| 206 | Identification of circulating monocytes as producers of tuberculosis disease biomarker C1q. <i>Scientific Reports</i> , 2023, 13, .   | 3.3  | 0         |
| 207 | Research tests for the diagnosis of tuberculosis infection. <i>Expert Review of Molecular Diagnostics</i> , 2023, 23, 783-795.  | 3.1  | 5         |
| 209 | Advancing tuberculosis management: the role of predictive, preventive, and personalized medicine. <i>Frontiers in Microbiology</i> , 0, 14, .   | 3.5  | 0         |
| 210 | Alterations of lipid-related genes during anti-tuberculosis treatment: insights into host immune responses and potential transcriptional biomarkers. <i>Frontiers in Immunology</i> , 0, 14, .                    | 4.8  | 0         |
| 211 | Single-Cell Sequencing Reveals Functional Alterations in Tuberculosis. <i>Advanced Science</i> , 2024, 11, .  | 11.2 | 0         |
| 212 | Public health implications of the evolving understanding of tuberculosis natural history. <i>Jammi</i> , 2024, 8, 241-244.  | 0.5  | 0         |
| 213 | Whole blood RNA signatures in tuberculosis patients receiving H56:IC31 vaccine as adjunctive therapy. <i>Frontiers in Immunology</i> , 0, 15, .   | 4.8  | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 214 | Large-scale analysis reveals splicing biomarkers for tuberculosis progression and prognosis. Computers in Biology and Medicine, 2024, 171, 108187.  | 7.0 | 0         |
| 215 | Activin A levels are raised during human tuberculosis and blockade of the activin signaling axis influences murine responses to <i>M. tuberculosis</i> infection. MBio, 2024, 15, .             | 4.1 | 0         |
| 216 | A Review Of Host-Specific Diagnostic And Surrogate Biomarkers In Children With Pulmonary Tuberculosis. Paediatric Respiratory Reviews, 2024, , .  | 1.8 | 0         |
| 217 | C1q and HBHA-specific IL-13 levels as surrogate plasma biomarkers for monitoring tuberculosis treatment efficacy: a cross-sectional cohort study in Paraguay. Frontiers in Immunology, 0, 15, . | 4.8 | 0         |