

Kumudika de Silva

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,855
citations

331259

21
h-index

264894

42
g-index

56
all docs

56
docs citations

56
times ranked

1527
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Does a Th1 over Th2 dominance really exist in the early stages of Mycobacterium avium subspecies paratuberculosis infections?. Immunobiology, 2011, 216, 840-846. | 0.8 | 376 |
| 2 | Comparative immunological and microbiological aspects of paratuberculosis as a model mycobacterial infection. Veterinary Immunology and Immunopathology, 2012, 148, 29-47. | 0.5 | 310 |
| 3 | High-Throughput Direct Fecal PCR Assay for Detection of Mycobacterium avium subsp. paratuberculosis in Sheep and Cattle. Journal of Clinical Microbiology, 2014, 52, 745-757. | 1.8 | 76 |
| 4 | Experimental infection model for Johne's disease using a lyophilised, pure culture, seedstock of Mycobacterium avium subspecies paratuberculosis. Veterinary Microbiology, 2010, 141, 301-311. | 0.8 | 57 |
| 5 | Immunological, clinical, haematological and oxidative responses to long distance transportation in horses. Research in Veterinary Science, 2017, 115, 78-87. | 0.9 | 54 |
| 6 | Development and Validation of a Liquid Medium (M7H9C) for Routine Culture of Mycobacterium avium subsp. paratuberculosis To Replace Modified Bactec 12B Medium. Journal of Clinical Microbiology, 2013, 51, 3993-4000. | 1.8 | 52 |
| 7 | Comparison of methods for miRNA isolation and quantification from ovine plasma. Scientific Reports, 2020, 10, 825. | 1.6 | 52 |
| 8 | Toll-like receptor genes are differentially expressed at the sites of infection during the progression of Johne's disease in outbred sheep. Veterinary Immunology and Immunopathology, 2008, 124, 132-151. | 0.5 | 47 |
| 9 | Candidate gene and genome-wide association studies of Mycobacterium avium subsp. paratuberculosis infection in cattle and sheep: A review. Comparative Immunology, Microbiology and Infectious Diseases, 2011, 34, 197-208. | 0.7 | 45 |
| 10 | Case definition terminology for paratuberculosis (Johne's disease). BMC Veterinary Research, 2017, 13, 328. | 0.7 | 45 |
| 11 | Macrophage polarization in cattle experimentally exposed to Mycobacterium avium subsp. paratuberculosis. Pathogens and Disease, 2015, 73, ftv085. | 0.8 | 41 |
| 12 | Expression of genes associated with the antigen presentation and processing pathway are consistently regulated in early Mycobacterium avium subsp. paratuberculosis infection. Comparative Immunology, Microbiology and Infectious Diseases, 2012, 35, 151-162. | 0.7 | 40 |
| 13 | Mycobacterium avium subspecies paratuberculosis is able to manipulate host lipid metabolism and accumulate cholesterol within macrophages. Microbial Pathogenesis, 2019, 130, 44-53. | 1.3 | 39 |
| 14 | Can early host responses to mycobacterial infection predict eventual disease outcomes?. Preventive Veterinary Medicine, 2013, 112, 203-212. | 0.7 | 37 |
| 15 | The early lymphocyte proliferation response in sheep exposed to Mycobacterium avium subsp. paratuberculosis compared to infection status. Immunobiology, 2010, 215, 12-25. | 0.8 | 32 |
| 16 | Indoleamine 2,3-Dioxygenase, Tryptophan Catabolism, and Mycobacterium avium subsp. paratuberculosis: a Model for Chronic Mycobacterial Infections. Infection and Immunity, 2011, 79, 3821-3832. | 1.0 | 32 |
| 17 | Role of host- and pathogen-associated lipids in directing the immune response in mycobacterial infections, with emphasis on Mycobacterium avium subsp. paratuberculosis. Critical Reviews in Microbiology, 2014, 42, 1-13. | 2.7 | 30 |
| 18 | The interleukin 10 response in ovine Johne's disease. Veterinary Immunology and Immunopathology, 2011, 139, 10-16. | 0.5 | 29 |

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|----|--|-----|-----------|
| 19 | Expression of genes associated with cholesterol and lipid metabolism identified as a novel pathway in the early pathogenesis of <i>Mycobacterium avium</i> subspecies paratuberculosis-infection in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 147-157. | 0.5 | 24 |
| 20 | Toll-like receptor (TLR)6 and TLR1 differentiation in gene expression studies of Johne's disease. <i>Veterinary Immunology and Immunopathology</i> , 2010, 137, 142-148. | 0.5 | 23 |
| 21 | Efficient, Validated Method for Detection of Mycobacterial Growth in Liquid Culture Media by Use of Bead Beating, Magnetic-Particle-Based Nucleic Acid Isolation, and Quantitative PCR. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1121-1128. | 1.8 | 22 |
| 22 | Immunopathological changes and apparent recovery from infection revealed in cattle in an experimental model of Johne's disease using a lyophilised culture of <i>Mycobacterium avium</i> subspecies paratuberculosis. <i>Veterinary Microbiology</i> , 2018, 219, 53-62. | 0.8 | 22 |
| 23 | Bone marrow stem cell and progenitor response to injury. <i>Wound Repair and Regeneration</i> , 2001, 9, 495-500. | 1.5 | 21 |
| 24 | Enzyme-Linked Immunospot: An Alternative Method for the Detection of Interferon Gamma in Johne's Disease. <i>Journal of Veterinary Diagnostic Investigation</i> , 2009, 21, 187-196. | 0.5 | 21 |
| 25 | Gene expression profiles during subclinical <i>Mycobacterium avium</i> subspecies paratuberculosis infection in sheep can predict disease outcome. <i>Scientific Reports</i> , 2019, 9, 8245. | 1.6 | 21 |
| 26 | A Rapid Method for Quantifying Viable <i>Mycobacterium avium</i> subsp. paratuberculosis in Cellular Infection Assays. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5553-5562. | 1.4 | 20 |
| 27 | Biomarkers for Detecting Resilience against Mycobacterial Disease in Animals. <i>Infection and Immunity</i> , 2019, 88, . | 1.0 | 20 |
| 28 | CD4+ T-cells, $\gamma\delta$ T-cells and B-cells are associated with lack of vaccine protection in <i>Mycobacterium avium</i> subspecies paratuberculosis infection. <i>Vaccine</i> , 2015, 33, 149-155. | 1.7 | 19 |
| 29 | Defining resilience to mycobacterial disease: Characteristics of survivors of ovine paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2018, 195, 56-64. | 0.5 | 19 |
| 30 | Variation in susceptibility of different breeds of sheep to <i>Mycobacterium avium</i> subspecies paratuberculosis following experimental inoculation. <i>Veterinary Research</i> , 2017, 48, 36. | 1.1 | 18 |
| 31 | The humoral immune response is essential for successful vaccine protection against paratuberculosis in sheep. <i>BMC Veterinary Research</i> , 2019, 15, 223. | 0.7 | 18 |
| 32 | Mycobacterial infection-induced miR-206 inhibits protective neutrophil recruitment via the CXCL12/CXCR4 signalling axis. <i>PLoS Pathogens</i> , 2021, 17, e1009186. | 2.1 | 18 |
| 33 | In vivo and in vitro expression pattern of Toll-like receptors in <i>Mycobacterium avium</i> subspecies paratuberculosis infection. <i>Veterinary Immunology and Immunopathology</i> , 2013, 156, 20-31. | 0.5 | 17 |
| 34 | Applying the One Health Concept to Mycobacterial Research – Overcoming Parochialism. <i>Zoonoses and Public Health</i> , 2017, 64, 401-422. | 0.9 | 16 |
| 35 | Specific faecal antibody responses in sheep infected with <i>Mycobacterium avium</i> subspecies paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2015, 166, 125-131. | 0.5 | 14 |
| 36 | Evaluation of the limitations and methods to improve rapid phage-based detection of viable <i>Mycobacterium avium</i> subsp. paratuberculosis in the blood of experimentally infected cattle. <i>BMC Veterinary Research</i> , 2016, 12, 115. | 0.7 | 14 |

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| 37 | Validation of endogenous reference genes for expression profiling of RAW264.7 cells infected with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> by quantitative PCR. <i>Veterinary Immunology and Immunopathology</i> , 2007, 115, 43-55. | 0.5 | 13 |
| 38 | Enhancement of the interferon gamma assay to detect paratuberculosis using interleukin-7 and interleukin-12 potentiation. <i>Veterinary Immunology and Immunopathology</i> , 2012, 149, 28-37. | 0.5 | 11 |
| 39 | The immunogenicity and tissue reactivity of <i>Mycobacterium avium</i> subsp <i>paratuberculosis</i> inactivated whole cell vaccine is dependent on the adjuvant used. <i>Heliyon</i> , 2019, 5, e01911. | 1.4 | 11 |
| 40 | Identification of differentially expressed genes in ileum, intestinal lymph node and peripheral blood mononuclear cells of sheep infected with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> using differential display polymerase chain reaction. <i>Veterinary Immunology and Immunopathology</i> , 2009, 131, 177-189. | 0.5 | 10 |
| 41 | Cellular and humoral immunogenicity of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> specific lipopentapeptide antigens. <i>Research in Veterinary Science</i> , 2013, 95, 123-129. | 0.9 | 10 |
| 42 | IFN- γ fails to overcome inhibition of selected macrophage activation events in response to pathogenic mycobacteria. <i>PLoS ONE</i> , 2017, 12, e0176400. | 1.1 | 9 |
| 43 | Lymphoproliferative and Gamma Interferon Responses to Stress-Regulated <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Recombinant Proteins. <i>Vaccine Journal</i> , 2014, 21, 831-837. | 3.2 | 8 |
| 44 | Analysis of mycobacterial infection-induced changes to host lipid metabolism in a zebrafish infection model reveals a conserved role for LDLR in infection susceptibility. <i>Fish and Shellfish Immunology</i> , 2018, 83, 238-242. | 1.6 | 8 |
| 45 | Investigation of immunity in sheep following footrot infection and vaccination. <i>Vaccine</i> , 2014, 32, 6979-6985. | 1.7 | 6 |
| 46 | Integrated vaccine screening system: using cellular functional capacity in vitro to assess genuine vaccine protectiveness in ruminants. <i>Pathogens and Disease</i> , 2018, 76, . | 0.8 | 5 |
| 47 | An objective method for assessment of foot conformation in sheep. <i>Small Ruminant Research</i> , 2018, 167, 22-28. | 0.6 | 5 |
| 48 | Sheep and cattle exposed to <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> exhibit altered total serum cholesterol profiles during the early stages of infection. <i>Veterinary Immunology and Immunopathology</i> , 2018, 202, 164-171. | 0.5 | 4 |
| 49 | Immunology of paratuberculosis infection and disease.. , 2020, , 248-265. | | 3 |
| 50 | Apoptosis of lymph node and peripheral blood cells in ovine Johne's disease. <i>Veterinary Immunology and Immunopathology</i> , 2013, 156, 82-90. | 0.5 | 2 |
| 51 | <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> exploits miRNA expression to modulate lipid metabolism and macrophage polarisation pathways during infection. <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 2 |
| 52 | Developing smarter vaccines for paratuberculosis: From early biomarkers to vaccine design. <i>Immunological Reviews</i> , 2021, 301, 145-156. | 2.8 | 1 |