# Natkunam Ketheesan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4727416/publications.pdf

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|---|---|---|---|
| 113 papers | 2,891 citations | 185998 28 h-index | 214527 47 g-index |
| 116 all docs | 116 docs citations | 116 times ranked | 3278 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Q Fever awareness and risk profiles among agricultural show attendees. Australian Journal of Rural Health, 2022, 30, 601-607. | 0.7 | 3 |
| 2 | Characterization of an experimental model to determine streptococcal M proteinâ€“induced autoimmune cardiac and neurobehavioral abnormalities. Immunology and Cell Biology, 2022, 100, 653-666. | 1.0 | 6 |
| 3 | A murine model of tuberculosis/type 2 diabetes comorbidity for investigating the microbiome, metabolome and associated immune parameters. Animal Models and Experimental Medicine, 2021, 4, 181-188. | 1.3 | 6 |
| 4 | The Burkholderia pseudomallei intracellular â€˜TRANSITomeâ€™. Nature Communications, 2021, 12, 1907. | 5.8 | 10 |
| 5 | Group A streptococcal antigen exposed rat model to investigate neurobehavioral and cardiac complications associated with postâ€streptococcal autoimmune sequelae. Animal Models and Experimental Medicine, 2021, 4, 151-161. | 1.3 | 5 |
| 6 | A longitudinal study of antibody responses to selected host antigens in rheumatic fever and rheumatic heart disease. Journal of Medical Microbiology, 2021, 70, . | 0.7 | 2 |
| 7 | Identification of defective early immune responses to Burkholderia pseudomallei infection in a diet-induced murine model of type 2 diabetes. Microbes and Infection, 2021, 23, 104793. | 1.0 | 0 |
| 8 | Requirements for a Robust Animal Model to Investigate the Disease Mechanism of Autoimmune Complications Associated With ARF/RHD. Frontiers in Cardiovascular Medicine, 2021, 8, 675339. | 1.1 | 9 |
| 9 | In Search of the Holy Grail: A Specific Diagnostic Test for Rheumatic Fever. Frontiers in Cardiovascular Medicine, 2021, 8, 674805. | 1.1 | 5 |
| 10 | Anti-streptococcal antibody and T-cell interactions with vascular endothelial cells initiate the development of rheumatic carditis. Journal of Leukocyte Biology, 2020, 107, 263-271. | 1.5 | 9 |
| 11 | Disparate Effects of Metformin on Mycobacterium tuberculosis Infection in Diabetic and Nondiabetic Mice. Antimicrobial Agents and Chemotherapy, 2020, 65, . | 1.4 | 3 |
| 12 | Mucosal delivery of ESX-1â€“expressing BCG strains provides superior immunity against tuberculosis in murine type 2 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20848-20859. | 3.3 | 9 |
| 13 | Increased susceptibility to Mycobacterium tuberculosis infection in a diet-induced murine model of type 2 diabetes. Microbes and Infection, 2020, 22, 303-311. | 1.0 | 13 |
| 14 | mTORC2/Akt activation in adipocytes is required for adipose tissue inflammation in tuberculosis. EBioMedicine, 2019, 45, 314-327. | 2.7 | 15 |
| 15 | Group A streptococcal M-protein specific antibodies and T-cells drive the pathology observed in the rat autoimmune valvulitis model. Autoimmunity, 2019, 52, 78-87. | 1.2 | 10 |
| 16 | BCG Vaccination Prevents Reactivation of Latent Lymphatic Murine Tuberculosis Independently of CD4+ T Cells. Frontiers in Immunology, 2019, 10, 532. | 2.2 | 14 |
| 17 | Dysregulation of key cytokines may contribute to increased susceptibility of diabetic mice to Mycobacterium bovis BCG infection. Tuberculosis, 2019, 115, 113-120. | 0.8 | 7 |
| 18 | Reply to Dale and Shulman. Journal of Infectious Diseases, 2019, 219, 675-676. | 1.9 | 0 |

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|---|---|---|---|
| 19 | Significance of Anti-Myosin Antibody Formation in Patients With Myocardial Infarction: A Prospective Observational Study. Heart Lung and Circulation, 2019, 28, 583-590. | 0.2 | 3 |
| 20 | Flavonoid quercetinâ€“methotrexate combination inhibits inflammatory mediators and matrix metalloproteinase expression, providing protection to joints in collagen-induced arthritis. Inflammopharmacology, 2018, 26, 1219-1232. | 1.9 | 45 |
| 21 | Group G Streptococcus Induces an Autoimmune Carditis Mediated by Interleukin 17A and Interferon Î³ in the Lewis Rat Model of Rheumatic Heart Disease. Journal of Infectious Diseases, 2018, 218, 324-335. | 1.9 | 37 |
| 22 | Blood group AB is associated with severe forms of dengue virus infection. VirusDisease, 2018, 29, 103-105. | 1.0 | 17 |
| 23 | Redox-sensitive transcription factors play a significant role in the development of rheumatoid arthritis. International Reviews of Immunology, 2018, 37, 129-143. | 1.5 | 24 |
| 24 | Comparison of a rapid immuno-chromatography assay with a standard ELISA for the detection of IgM and IgG antibodies against dengue viruses. VirusDisease, 2018, 29, 199-202. | 1.0 | 5 |
| 25 | Therapeutic effect of quercetin in collagen-induced arthritis. Biomedicine and Pharmacotherapy, 2017, 90, 38-46. | 2.5 | 113 |
| 26 | Anti-mycobacterial function of macrophages is impaired in a diet induced model of type 2 diabetes. Tuberculosis, 2017, 102, 47-54. | 0.8 | 21 |
| 27 | Anti-troponin antibodies following myocardial infarction. Journal of Cardiology, 2017, 69, 38-45. | 0.8 | 15 |
| 28 | The therapeutic potential of plant flavonoids on rheumatoid arthritis. Critical Reviews in Food Science and Nutrition, 2017, 57, 3601-3613. | 5.4 | 62 |
| 29 | Increased Neurotropic Threat from Burkholderia pseudomallei Strains with a B. malleiâ€“like Variation in the bimA Motility Gene, Australia. Emerging Infectious Diseases, 2017, 23, . | 2.0 | 17 |
| 30 | Development of a diet-induced murine model of diabetes featuring cardinal metabolic and pathophysiological abnormalities of type 2 diabetes. Biology Open, 2016, 5, 1149-1162. | 0.6 | 22 |
| 31 | Melioidosis: A Neglected Bacterial Infection Associated with High Mortality. Neglected Tropical Diseases, 2016, , 273-294. | 0.4 | 0 |
| 32 | Overrepresentation of Diabetes in Soft Tissue Nontuberculous Mycobacterial Infections. American Journal of Tropical Medicine and Hygiene, 2016, 95, 528-530. | 0.6 | 8 |
| 33 | Preclinical immunogenicity and safety of a Group A streptococcal M protein-based vaccine candidate. Human Vaccines and Immunotherapeutics, 2016, 12, 3089-3096. | 1.4 | 14 |
| 34 | Impaired Recognition ofMycobacterium tuberculosisby Alveolar Macrophages From Diabetic Mice. Journal of Infectious Diseases, 2016, 214, 1629-1637. | 1.9 | 59 |
| 35 | Repeat exposure to group A streptococcal M protein exacerbates cardiac damage in a rat model of rheumatic heart disease. Autoimmunity, 2016, 49, 563-570. | 1.2 | 25 |
| 36 | Defects in early cell recruitment contribute to the increased susceptibility to respiratory Klebsiella pneumoniae infection in diabetic mice. Microbes and Infection, 2016, 18, 649-655. | 1.0 | 21 |

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|---|---|---|---|
| 37 | The role of anti-myosin antibodies in perpetuating cardiac damage following myocardial infarction. International Journal of Cardiology, 2016, 209, 226-233. | 0.8 | 18 |
| 38 | Neurotropic Threat Characterization ofBurkholderia pseudomalleiStrains. Emerging Infectious Diseases, 2015, 21, 58-63. | 2.0 | 7 |
| 39 | Plasmacytoid dendritic cell bactericidal activity against Burkholderia pseudomallei. Microbes and Infection, 2015, 17, 311-316. | 1.0 | 12 |
| 40 | Diabetes: A Contributor to Tuberculosis in Tropical Australia. American Journal of Tropical Medicine and Hygiene, 2015, 93, 547-548. | 0.6 | 14 |
| 41 | Rapid diagnostics for melioidosis: a comparative study of a novel lateral flow antigen detection assay. Journal of Medical Microbiology, 2015, 64, 845-848. | 0.7 | 36 |
| 42 | Immunological mechanisms contributing to the double burden of diabetes and intracellular bacterial infections. Immunology, 2015, 144, 171-185. | 2.0 | 273 |
| 43 | Animal Models to Investigate the Pathogenesis of Rheumatic Heart Disease. Frontiers in Pediatrics, 2014, 2, 116. | 0.9 | 26 |
| 44 | Emerging scrub typhus infection in the northern region of Sri Lanka. BMC Research Notes, 2014, 7, 719. | 0.6 | 13 |
| 45 | Investigations of wear particles and selected cytokines in human osteoarthritic knee joints. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 1176-1182. | 1.0 | 5 |
| 46 | Polymer Encapsulation of Magnesium to Control Biodegradability and Biocompatibility. Journal of Nanoscience and Nanotechnology, 2014, 14, 8087-8093. | 0.9 | 14 |
| 47 | Migration of Dendritic Cells Facilitates Systemic Dissemination of Burkholderia pseudomallei. Infection and Immunity, 2014, 82, 4233-4240. | 1.0 | 28 |
| 48 | The double burden: a new-age pandemic meets an ancient infection. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2014, 108, 676-678. | 0.7 | 6 |
| 49 | Investigation of Wear Particles Generated in Human Knee Joints Using Atomic Force Microscopy. Tribology Letters, 2013, 51, 161-170. | 1.2 | 16 |
| 50 | Bacteraemias in tropical Australia: changing trends over a 10-year period. Diagnostic Microbiology and Infectious Disease, 2013, 75, 266-270. | 0.8 | 5 |
| 51 | Detection ofCoxiella burnetiiDNA in Wildlife and Ticks in Northern Queensland, Australia. Vector-Borne and Zoonotic Diseases, 2013, 13, 12-16. | 0.6 | 50 |
| 52 | Study of the nano-mechanical properties of human knee cartilage in different wear conditions. Wear, 2013, 301, 188-191. | 1.5 | 11 |
| 53 | ELISA and immunoâ€“polymerase chain reaction assays for the sensitive detection of melioidosis. Diagnostic Microbiology and Infectious Disease, 2013, 75, 135-138. | 0.8 | 11 |
| 54 | Improved diagnosis of melioidosis using a 2-dimensional immunoarray. Diagnostic Microbiology and Infectious Disease, 2013, 77, 209-215. | 0.8 | 9 |

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|---|---|---|---|
| 55 | Impaired Early Cytokine Responses at the Site of Infection in a Murine Model of Type 2 Diabetes and Melioidosis Comorbidity. Infection and Immunity, 2013, 81, 470-477. | 1.0 | 31 |
| 56 | Burkholderia pseudomallei Triggers Altered Inflammatory Profiles in a Whole-Blood Model of Type 2 Diabetes-Melioidosis Comorbidity. Infection and Immunity, 2012, 80, 2089-2099. | 1.0 | 21 |
| 57 | Serological evidence ofCoxiella burnetiiexposure in native marsupials and introduced animals in Queensland, Australia. Epidemiology and Infection, 2012, 140, 1304-1308. | 1.0 | 22 |
| 58 | Veterinary infection control in Australia: is there control?. Australian Veterinary Journal, 2012, 90, 438-441. | 0.5 | 6 |
| 59 | Determination of Coxiella burnetii seroprevalence in macropods in Australia. Veterinary Microbiology, 2012, 155, 317-323. | 0.8 | 22 |
| 60 | Altered macrophage function is associated with severe Burkholderia pseudomallei infection in a murine model of type 2 diabetes. Microbes and Infection, 2011, 13, 1177-1184. | 1.0 | 37 |
| 61 | Cardiac Myosin Epitopes for Monitoring Progression of Rheumatic Fever. Pediatric Infectious Disease Journal, 2011, 30, 1015-1016. | 1.1 | 13 |
| 62 | Problems with the use of a lateral flow assay in the serodiagnosis of brucellosis. Pathology, 2011, 43, 755-757. | 0.3 | 0 |
| 63 | Impact of streptozotocin-induced diabetes on functional responses of dendritic cells and macrophages towardsBurkholderia pseudomallei. FEMS Immunology and Medical Microbiology, 2011, 61, 218-227. | 2.7 | 23 |
| 64 | Serological evidence of Coxiella burnetii infection in beef cattle in Queensland. Australian Veterinary Journal, 2011, 89, 260-264. | 0.5 | 22 |
| 65 | Serological evidence of Coxiella burnetii infection in dogs in a regional centre. Australian Veterinary Journal, 2011, 89, 385-387. | 0.5 | 32 |
| 66 | Examination of trafficking of phagocytosed colloid particles in neutrophils using synchrotron-based X-ray fluorescence microscopy (XFM). Journal of Biological Physics, 2011, 37, 493-506. | 0.7 | 1 |
| 67 | Evidence of Burkholderia pseudomallei-Specific Immunity in Patient Sera Persistently Nonreactive by the Indirect Hemagglutination Assay. Vaccine Journal, 2011, 18, 1288-1291. | 3.2 | 10 |
| 68 | An alternative technique for the induction of autoimmune valvulitis in a rat model of rheumatic heart disease. Journal of Immunological Methods, 2010, 355, 80-85. | 0.6 | 28 |
| 69 | Clinical presentation of rheumatic fever in an endemic area. Archives of Disease in Childhood, 2010, 95, 455-457. | 1.0 | 21 |
| 70 | Brucellosis in Northern Australia. American Journal of Tropical Medicine and Hygiene, 2010, 83, 876-878. | 0.6 | 53 |
| 71 | B- and T-Cell Responses in Group A Streptococcus M-Protein- or Peptide-Induced Experimental Carditis. Infection and Immunity, 2009, 77, 2177-2183. | 1.0 | 47 |
| 72 | Clinical Features That Affect Indirect-Hemagglutination-Assay Responses to Burkholderia pseudomallei. Vaccine Journal, 2009, 16, 924-930. | 3.2 | 34 |

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|---|---|---|---|
| 73 | Comparison of Routine Bench and Molecular Diagnostic Methods in Identification of Burkholderia pseudomallei. Journal of Clinical Microbiology, 2009, 47, 1578-1580. | 1.8 | 30 |
| 74 | Spermatozoa and seminal plasma induce a greater inflammatory response in the ovine uterus at oestrus than dioestrus. Reproduction, Fertility and Development, 2009, 21, 817. | 0.1 | 21 |
| 75 | Seropositivity to Burkholderia pseudomallei does not reflect the development of cell-mediated immunity. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2008, 102, S66-S70. | 0.7 | 9 |
| 76 | Burkholderia pseudomallei enhances maturation of bone marrow-derived dendritic cells. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2008, 102, S71-S75. | 0.7 | 7 |
| 77 | The effect of different Burkholderia pseudomallei isolates of varying levels of virulence on toll-like-receptor expression. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2008, 102, S82-S88. | 0.7 | 13 |
| 78 | EvaluatingBurkholderia pseudomalleiBip proteins as vaccines and Bip antibodies as detection agents. FEMS Immunology and Medical Microbiology, 2008, 52, 78-87. | 2.7 | 48 |
| 79 | Susceptibility toBurkholderia pseudomalleiis associated with host immune responses involving tumor necrosis factor receptor-1 (TNFR1) and TNF receptor-2 (TNFR2). FEMS Immunology and Medical Microbiology, 2008, 52, 379-388. | 2.7 | 31 |
| 80 | Evaluation of recombinant antigens for diagnosis of melioidosis. FEMS Immunology and Medical Microbiology, 2008, 54, 144-153. | 2.7 | 18 |
| 81 | Use of Antigens Derived from Burkholderia pseudomallei , B. thailandensis , and B. cepacia in the Indirect Hemagglutination Assay for Melioidosis. Vaccine Journal, 2007, 14, 1529-1531. | 3.2 | 26 |
| 82 | Development of protective immunity in a murine model of melioidosis is influenced by the source of Burkholderia pseudomallei antigens. Immunology and Cell Biology, 2007, 85, 551-557. | 1.0 | 22 |
| 83 | Q fever cases at a North Queensland centre during 1994â€“2006. Internal Medicine Journal, 2007, 37, 644-646. | 0.5 | 19 |
| 84 | Evidence for the classification of a crayfish pathogen as a member of the genus Coxiella. Letters in Applied Microbiology, 2007, 45, 558-563. | 1.0 | 14 |
| 85 | Granulocyte - macrophage colony stimulating factor and interleukin-8 in the reproductive tract of ewes following oestrus and mating. Reproduction, Fertility and Development, 2007, 19, 585. | 0.1 | 6 |
| 86 | Activity of tigecycline in the treatment of acute Burkholderia pseudomallei infection in a murine model. International Journal of Antimicrobial Agents, 2006, 28, 460-464. | 1.1 | 11 |
| 87 | Streptococcal toxic shock syndrome in North Queenslandâ€”a case controlled review of clinical and molecular determinants. International Congress Series, 2006, 1289, 81-84. | 0.2 | 0 |
| 88 | A role for an animal model in determining the immune mechanisms involved in the pathogenesis of rheumatic heart disease. International Congress Series, 2006, 1289, 289-292. | 0.2 | 4 |
| 89 | Neutrophil labeling with [99mTc]-technetium stannous colloid is complement receptor 3-mediated and increases the neutrophil priming response to lipopolysaccharide. Nuclear Medicine and Biology, 2006, 33, 433-439. | 0.3 | 27 |
| 90 | In whole blood, LPS, TNF-alpha and GM-CSF increase monocyte uptake of 99mtechnetium stannous colloid but do not affect neutrophil uptake. Nuclear Medicine and Biology, 2006, 33, 645-651. | 0.3 | 35 |

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|---|---|---|---|
| 91 | Leucocyte population changes in the reproductive tract of the ewe in response to insemination. Reproduction, Fertility and Development, 2006, 18, 627. | 0.1 | 36 |
| 92 | Clinical presentation of melioidosis in Queensland, Australia. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2005, 99, 856-860. | 0.7 | 33 |
| 93 | Presence of fibronectin-binding protein gene prtF2 in invasive group A streptococci in tropical Australia is associated with increased internalisation efficiency. Microbes and Infection, 2005, 7, 421-426. | 1.0 | 12 |
| 94 | A model of immunity to : unique responses following immunization and acute lethal infection. Microbes and Infection, 2005, 7, 1263-1275. | 1.0 | 27 |
| 95 | Route of Infection in Melioidosis. Emerging Infectious Diseases, 2005, 11, 638-639. | 2.0 | 59 |
| 96 | Association of Osteoprotegerin With Human Abdominal Aortic Aneurysm Progression. Circulation, 2005, 111, 3119-3125. | 1.6 | 144 |
| 97 | Relative uptake of technetium 99m stannous colloid by neutrophils and monocytes is altered by gram-negative infection. Nuclear Medicine and Biology, 2005, 32, 101-107. | 0.3 | 5 |
| 98 | Exposure to Burkholderia pseudomallei induces cell-mediated immunity in healthy individuals. Clinical Microbiology and Infection, 2004, 10, 585-587. | 2.8 | 9 |
| 99 | Adaptive immunity in melioidosis: a possible role for T cells in determining outcome of infection with Burkholderia pseudomallei. Clinical Immunology, 2004, 113, 22-28. | 1.4 | 53 |
| 100 | Effect of cryopreservation on the immunogenicity of umbilical cord blood cells. Transfusion and Apheresis Science, 2004, 30, 47-54. | 0.5 | 21 |
| 101 | Induction of autoimmune valvulitis in Lewis rats following immunization with peptides from the conserved region of group A streptococcal M protein. Journal of Autoimmunity, 2003, 20, 211-217. | 3.0 | 49 |
| 102 | Demonstration of a Cellâ€Mediated Immune Response in Melioidosis. Journal of Infectious Diseases, 2002, 186, 286-289. | 1.9 | 54 |
| 103 | Analogous Cytokine Responses to Burkholderia pseudomallei Strains Contrasting in Virulence Correlate with Partial Cross-Protection in Immunized Mice. Infection and Immunity, 2002, 70, 3953-3958. | 1.0 | 15 |
| 104 | Peripheral Blood Lymphocyte Subsets in Acute Human Melioidosis. European Journal of Clinical Microbiology and Infectious Diseases, 2002, 21, 566-568. | 1.3 | 10 |
| 105 | Induction of multiple chemokine and colonyâ€stimulating factor genes in experimental Burkholderia pseudomallei infection. Immunology and Cell Biology, 2001, 79, 490-501. | 1.0 | 47 |
| 106 | Burkholderia pseudomallei virulence: definition, stability and association with clonality. Microbes and Infection, 2001, 3, 621-631. | 1.0 | 74 |
| 107 | Proinflammatory cytokine mRNA responses in experimental Burkholderia pseudomallei infection in mice. Acta Tropica, 2000, 74, 229-234. | 0.9 | 33 |
| 108 | Cytokine Gene Expression in Innately Susceptible BALB/c Mice and Relatively Resistant C57BL/6 Mice during Infection with Virulent Burkholderia pseudomallei. Infection and Immunity, 2000, 68, 2034-2042. | 1.0 | 159 |

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|---|---|---|---|
| 109 | The significance of HLA matching in cardiac transplantation. Journal of Heart and Lung Transplantation, 1999, 18, 226-230. | 0.3 | 10 |
| 110 | Reconstruction of the block matching profiles. Human Immunology, 1999, 60, 171-176. | 1.2 | 20 |
| 111 | Macrophage-lymphocyte interactions mediate anti-Burkholderia pseudomalleiactivity. FEMS Immunology and Medical Microbiology, 1998, 21, 283-286. | 2.7 | 28 |
| 112 | MHC Haplotype Analysis by Artificial Neural Networks. Human Immunology, 1998, 59, 56-62. | 1.2 | 10 |
| 113 | The Effect of Cryopreservation on the Immunogenicity of Allogeneic Cardiac Valves. Cryobiology, 1996, 33, 41-53. | 0.3 | 21 |