

# Natkunam Ketheesan

## List of Publications by Year in descending order

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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	Immunological mechanisms contributing to the double burden of diabetes and intracellular bacterial infections. <i>Immunology</i> , 2015, 144, 171-185.	2.0	273
2	Cytokine Gene Expression in Innately Susceptible BALB/c Mice and Relatively Resistant C57BL/6 Mice during Infection with Virulent <i>Burkholderia pseudomallei</i> . <i>Infection and Immunity</i> , 2000, 68, 2034-2042.	1.0	159
3	Association of Osteoprotegerin With Human Abdominal Aortic Aneurysm Progression. <i>Circulation</i> , 2005, 111, 3119-3125.	1.6	144
4	Therapeutic effect of quercetin in collagen-induced arthritis. <i>Biomedicine and Pharmacotherapy</i> , 2017, 90, 38-46.	2.5	113
5	<i>Burkholderia pseudomallei</i> virulence: definition, stability and association with clonality. <i>Microbes and Infection</i> , 2001, 3, 621-631.	1.0	74
6	The therapeutic potential of plant flavonoids on rheumatoid arthritis. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 3601-3613.	5.4	62
7	Route of Infection in Melioidosis. <i>Emerging Infectious Diseases</i> , 2005, 11, 638-639.	2.0	59
8	Impaired Recognition of <i>Mycobacterium tuberculosis</i> by Alveolar Macrophages From Diabetic Mice. <i>Journal of Infectious Diseases</i> , 2016, 214, 1629-1637.	1.9	59
9	Demonstration of a Cell-Mediated Immune Response in Melioidosis. <i>Journal of Infectious Diseases</i> , 2002, 186, 286-289.	1.9	54
10	Adaptive immunity in melioidosis: a possible role for T cells in determining outcome of infection with <i>Burkholderia pseudomallei</i> . <i>Clinical Immunology</i> , 2004, 113, 22-28.	1.4	53
11	Brucellosis in Northern Australia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010, 83, 876-878.	0.6	53
12	Detection of <i>Coxiella burnetii</i> DNA in Wildlife and Ticks in Northern Queensland, Australia. <i>Vector-Borne and Zoonotic Diseases</i> , 2013, 13, 12-16.	0.6	50
13	Induction of autoimmune valvulitis in Lewis rats following immunization with peptides from the conserved region of group A streptococcal M protein. <i>Journal of Autoimmunity</i> , 2003, 20, 211-217.	3.0	49
14	Evaluating <i>Burkholderia pseudomallei</i> Bip proteins as vaccines and Bip antibodies as detection agents. <i>FEMS Immunology and Medical Microbiology</i> , 2008, 52, 78-87.	2.7	48
15	Induction of multiple chemokine and colony-stimulating factor genes in experimental <i>Burkholderia pseudomallei</i> infection. <i>Immunology and Cell Biology</i> , 2001, 79, 490-501.	1.0	47
16	B- and T-Cell Responses in Group A Streptococcus M-Protein- or Peptide-Induced Experimental Carditis. <i>Infection and Immunity</i> , 2009, 77, 2177-2183.	1.0	47
17	Flavonoid quercetin-methotrexate combination inhibits inflammatory mediators and matrix metalloproteinase expression, providing protection to joints in collagen-induced arthritis. <i>Inflammopharmacology</i> , 2018, 26, 1219-1232.	1.9	45
18	Altered macrophage function is associated with severe <i>Burkholderia pseudomallei</i> infection in a murine model of type 2 diabetes. <i>Microbes and Infection</i> , 2011, 13, 1177-1184.	1.0	37

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19	Group G Streptococcus Induces an Autoimmune Carditis Mediated by Interleukin 17A and Interferon $\hat{I}^3$ in the Lewis Rat Model of Rheumatic Heart Disease. <i>Journal of Infectious Diseases</i> , 2018, 218, 324-335.	1.9	37
20	Leucocyte population changes in the reproductive tract of the ewe in response to insemination. <i>Reproduction, Fertility and Development</i> , 2006, 18, 627.	0.1	36
21	Rapid diagnostics for melioidosis: a comparative study of a novel lateral flow antigen detection assay. <i>Journal of Medical Microbiology</i> , 2015, 64, 845-848.	0.7	36
22	In whole blood, LPS, TNF-alpha and GM-CSF increase monocyte uptake of 99mtechnetium stannous colloid but do not affect neutrophil uptake. <i>Nuclear Medicine and Biology</i> , 2006, 33, 645-651.	0.3	35
23	Clinical Features That Affect Indirect-Hemagglutination-Assay Responses to <i>Burkholderia pseudomallei</i> . <i>Vaccine Journal</i> , 2009, 16, 924-930.	3.2	34
24	Proinflammatory cytokine mRNA responses in experimental <i>Burkholderia pseudomallei</i> infection in mice. <i>Acta Tropica</i> , 2000, 74, 229-234.	0.9	33
25	Clinical presentation of melioidosis in Queensland, Australia. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2005, 99, 856-860.	0.7	33
26	Serological evidence of <i>Coxiella burnetii</i> infection in dogs in a regional centre. <i>Australian Veterinary Journal</i> , 2011, 89, 385-387.	0.5	32
27	Susceptibility to <i>Burkholderia pseudomallei</i> is associated with host immune responses involving tumor necrosis factor receptor-1 (TNFR1) and TNF receptor-2 (TNFR2). <i>FEMS Immunology and Medical Microbiology</i> , 2008, 52, 379-388.	2.7	31
28	Impaired Early Cytokine Responses at the Site of Infection in a Murine Model of Type 2 Diabetes and Melioidosis Comorbidity. <i>Infection and Immunity</i> , 2013, 81, 470-477.	1.0	31
29	Comparison of Routine Bench and Molecular Diagnostic Methods in Identification of <i>Burkholderia pseudomallei</i> . <i>Journal of Clinical Microbiology</i> , 2009, 47, 1578-1580.	1.8	30
30	Macrophage-lymphocyte interactions mediate anti- <i>Burkholderia pseudomallei</i> activity. <i>FEMS Immunology and Medical Microbiology</i> , 1998, 21, 283-286.	2.7	28
31	An alternative technique for the induction of autoimmune valvulitis in a rat model of rheumatic heart disease. <i>Journal of Immunological Methods</i> , 2010, 355, 80-85.	0.6	28
32	Migration of Dendritic Cells Facilitates Systemic Dissemination of <i>Burkholderia pseudomallei</i> . <i>Infection and Immunity</i> , 2014, 82, 4233-4240.	1.0	28
33	A model of immunity to : unique responses following immunization and acute lethal infection. <i>Microbes and Infection</i> , 2005, 7, 1263-1275.	1.0	27
34	Neutrophil labeling with [99mTc]-technetium stannous colloid is complement receptor 3-mediated and increases the neutrophil priming response to lipopolysaccharide. <i>Nuclear Medicine and Biology</i> , 2006, 33, 433-439.	0.3	27
35	Use of Antigens Derived from <i>Burkholderia pseudomallei</i> , <i>B. thailandensis</i> , and <i>B. cepacia</i> in the Indirect Hemagglutination Assay for Melioidosis. <i>Vaccine Journal</i> , 2007, 14, 1529-1531.	3.2	26
36	Animal Models to Investigate the Pathogenesis of Rheumatic Heart Disease. <i>Frontiers in Pediatrics</i> , 2014, 2, 116.	0.9	26

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37	Repeat exposure to group A streptococcal M protein exacerbates cardiac damage in a rat model of rheumatic heart disease. <i>Autoimmunity</i> , 2016, 49, 563-570.	1.2	25
38	Redox-sensitive transcription factors play a significant role in the development of rheumatoid arthritis. <i>International Reviews of Immunology</i> , 2018, 37, 129-143.	1.5	24
39	Impact of streptozotocin-induced diabetes on functional responses of dendritic cells and macrophages towards <i>Burkholderia pseudomallei</i> . <i>FEMS Immunology and Medical Microbiology</i> , 2011, 61, 218-227.	2.7	23
40	Development of protective immunity in a murine model of melioidosis is influenced by the source of <i>Burkholderia pseudomallei</i> antigens. <i>Immunology and Cell Biology</i> , 2007, 85, 551-557.	1.0	22
41	Serological evidence of <i>Coxiella burnetii</i> infection in beef cattle in Queensland. <i>Australian Veterinary Journal</i> , 2011, 89, 260-264.	0.5	22
42	Serological evidence of <i>Coxiella burnetii</i> exposure in native marsupials and introduced animals in Queensland, Australia. <i>Epidemiology and Infection</i> , 2012, 140, 1304-1308.	1.0	22
43	Determination of <i>Coxiella burnetii</i> seroprevalence in macropods in Australia. <i>Veterinary Microbiology</i> , 2012, 155, 317-323.	0.8	22
44	Development of a diet-induced murine model of diabetes featuring cardinal metabolic and pathophysiological abnormalities of type 2 diabetes. <i>Biology Open</i> , 2016, 5, 1149-1162.	0.6	22
45	The Effect of Cryopreservation on the Immunogenicity of Allogeneic Cardiac Valves. <i>Cryobiology</i> , 1996, 33, 41-53.	0.3	21
46	Effect of cryopreservation on the immunogenicity of umbilical cord blood cells. <i>Transfusion and Apheresis Science</i> , 2004, 30, 47-54.	0.5	21
47	Spermatozoa and seminal plasma induce a greater inflammatory response in the ovine uterus at oestrus than dioestrus. <i>Reproduction, Fertility and Development</i> , 2009, 21, 817.	0.1	21
48	Clinical presentation of rheumatic fever in an endemic area. <i>Archives of Disease in Childhood</i> , 2010, 95, 455-457.	1.0	21
49	<i>Burkholderia pseudomallei</i> Triggers Altered Inflammatory Profiles in a Whole-Blood Model of Type 2 Diabetes-Melioidosis Comorbidity. <i>Infection and Immunity</i> , 2012, 80, 2089-2099.	1.0	21
50	Defects in early cell recruitment contribute to the increased susceptibility to respiratory <i>Klebsiella pneumoniae</i> infection in diabetic mice. <i>Microbes and Infection</i> , 2016, 18, 649-655.	1.0	21
51	Anti-mycobacterial function of macrophages is impaired in a diet induced model of type 2 diabetes. <i>Tuberculosis</i> , 2017, 102, 47-54.	0.8	21
52	Reconstruction of the block matching profiles. <i>Human Immunology</i> , 1999, 60, 171-176.	1.2	20
53	Q fever cases at a North Queensland centre during 1994â€“2006. <i>Internal Medicine Journal</i> , 2007, 37, 644-646.	0.5	19
54	Evaluation of recombinant antigens for diagnosis of melioidosis. <i>FEMS Immunology and Medical Microbiology</i> , 2008, 54, 144-153.	2.7	18

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55	The role of anti-myosin antibodies in perpetuating cardiac damage following myocardial infarction. International Journal of Cardiology, 2016, 209, 226-233.	0.8	18
56	Increased Neurotropic Threat from <i>Burkholderia pseudomallei</i> Strains with a B. mallei-like Variation in the <i>bimA</i> Motility Gene, Australia. Emerging Infectious Diseases, 2017, 23, .	2.0	17
57	Blood group AB is associated with severe forms of dengue virus infection. VirusDisease, 2018, 29, 103-105.	1.0	17
58	Investigation of Wear Particles Generated in Human Knee Joints Using Atomic Force Microscopy. Tribology Letters, 2013, 51, 161-170.	1.2	16
59	Analogous Cytokine Responses to <i>Burkholderia pseudomallei</i> Strains Contrasting in Virulence Correlate with Partial Cross-Protection in Immunized Mice. Infection and Immunity, 2002, 70, 3953-3958.	1.0	15
60	Anti-troponin antibodies following myocardial infarction. Journal of Cardiology, 2017, 69, 38-45.	0.8	15
61	mTORC2/Akt activation in adipocytes is required for adipose tissue inflammation in tuberculosis. EBioMedicine, 2019, 45, 314-327.	2.7	15
62	Evidence for the classification of a crayfish pathogen as a member of the genus <i>Coxiella</i> . Letters in Applied Microbiology, 2007, 45, 558-563.	1.0	14
63	Polymer Encapsulation of Magnesium to Control Biodegradability and Biocompatibility. Journal of Nanoscience and Nanotechnology, 2014, 14, 8087-8093.	0.9	14
64	Diabetes: A Contributor to Tuberculosis in Tropical Australia. American Journal of Tropical Medicine and Hygiene, 2015, 93, 547-548.	0.6	14
65	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
66	BCG Vaccination Prevents Reactivation of Latent Lymphatic Murine Tuberculosis Independently of CD4+ T Cells. Frontiers in Immunology, 2019, 10, 532.	2.2	14
67	The effect of different <i>Burkholderia pseudomallei</i> 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
68	Cardiac Myosin Epitopes for Monitoring Progression of Rheumatic Fever. Pediatric Infectious Disease Journal, 2011, 30, 1015-1016.	1.1	13
69	Emerging scrub typhus infection in the northern region of Sri Lanka. BMC Research Notes, 2014, 7, 719.	0.6	13
70	Increased susceptibility to <i>Mycobacterium tuberculosis</i> infection in a diet-induced murine model of type 2 diabetes. Microbes and Infection, 2020, 22, 303-311.	1.0	13
71	Presence of fibronectin-binding protein gene <i>prtF2</i> in invasive group A streptococci in tropical Australia is associated with increased internalisation efficiency. Microbes and Infection, 2005, 7, 421-426.	1.0	12
72	Plasmacytoid dendritic cell bactericidal activity against <i>Burkholderia pseudomallei</i> . Microbes and Infection, 2015, 17, 311-316.	1.0	12

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73	Activity of tigecycline in the treatment of acute <i>Burkholderia pseudomallei</i> infection in a murine model. <i>International Journal of Antimicrobial Agents</i> , 2006, 28, 460-464.	1.1	11
74	Study of the nano-mechanical properties of human knee cartilage in different wear conditions. <i>Wear</i> , 2013, 301, 188-191.	1.5	11
75	ELISA and immuno-PCR polymerase chain reaction assays for the sensitive detection of melioidosis. <i>Diagnostic Microbiology and Infectious Disease</i> , 2013, 75, 135-138.	0.8	11
76	MHC Haplotype Analysis by Artificial Neural Networks. <i>Human Immunology</i> , 1998, 59, 56-62.	1.2	10
77	The significance of HLA matching in cardiac transplantation. <i>Journal of Heart and Lung Transplantation</i> , 1999, 18, 226-230.	0.3	10
78	Peripheral Blood Lymphocyte Subsets in Acute Human Melioidosis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2002, 21, 566-568.	1.3	10
79	Evidence of <i>Burkholderia pseudomallei</i> -Specific Immunity in Patient Sera Persistently Nonreactive by the Indirect Hemagglutination Assay. <i>Vaccine Journal</i> , 2011, 18, 1288-1291.	3.2	10
80	Group A streptococcal M-protein specific antibodies and T-cells drive the pathology observed in the rat autoimmune valvulitis model. <i>Autoimmunity</i> , 2019, 52, 78-87.	1.2	10
81	The <i>Burkholderia pseudomallei</i> intracellular <i>TRANSITome</i> <sup>TM</sup> . <i>Nature Communications</i> , 2021, 12, 1907.	5.8	10
82	Exposure to <i>Burkholderia pseudomallei</i> induces cell-mediated immunity in healthy individuals. <i>Clinical Microbiology and Infection</i> , 2004, 10, 585-587.	2.8	9
83	Seropositivity to <i>Burkholderia pseudomallei</i> does not reflect the development of cell-mediated immunity. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2008, 102, S66-S70.	0.7	9
84	Improved diagnosis of melioidosis using a 2-dimensional immunoarray. <i>Diagnostic Microbiology and Infectious Disease</i> , 2013, 77, 209-215.	0.8	9
85	Anti-streptococcal antibody and T-cell interactions with vascular endothelial cells initiate the development of rheumatic carditis. <i>Journal of Leukocyte Biology</i> , 2020, 107, 263-271.	1.5	9
86	Mucosal delivery of ESX-1-expressing BCG strains provides superior immunity against tuberculosis in murine type 2 diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20848-20859.	3.3	9
87	Requirements for a Robust Animal Model to Investigate the Disease Mechanism of Autoimmune Complications Associated With ARF/RHD. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 675339.	1.1	9
88	Overrepresentation of Diabetes in Soft Tissue Nontuberculous Mycobacterial Infections. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 528-530.	0.6	8
89	<i>Burkholderia pseudomallei</i> enhances maturation of bone marrow-derived dendritic cells. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2008, 102, S71-S75.	0.7	7
90	Neurotropic Threat Characterization of <i>Burkholderia pseudomallei</i> Strains. <i>Emerging Infectious Diseases</i> , 2015, 21, 58-63.	2.0	7

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91	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
92	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
93	Veterinary infection control in Australia: is there control?. Australian Veterinary Journal, 2012, 90, 438-441.	0.5	6
94	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
95	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
96	Characterization of an experimental model to determine streptococcal M protein-induced autoimmune cardiac and neurobehavioral abnormalities. Immunology and Cell Biology, 2022, 100, 653-666.	1.0	6
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	Bacteraemias in tropical Australia: changing trends over a 10-year period. Diagnostic Microbiology and Infectious Disease, 2013, 75, 266-270.	0.8	5
99	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
100	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
101	Group A streptococcal antigen exposed rat model to investigate neurobehavioral and cardiac complications associated with post-streptococcal autoimmune sequelae. Animal Models and Experimental Medicine, 2021, 4, 151-161.	1.3	5
102	In Search of the Holy Grail: A Specific Diagnostic Test for Rheumatic Fever. Frontiers in Cardiovascular Medicine, 2021, 8, 674805.	1.1	5
103	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
104	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
105	Disparate Effects of Metformin on Mycobacterium tuberculosis Infection in Diabetic and Nondiabetic Mice. Antimicrobial Agents and Chemotherapy, 2020, 65, .	1.4	3
106	Q Fever awareness and risk profiles among agricultural show attendees. Australian Journal of Rural Health, 2022, 30, 601-607.	0.7	3
107	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
108	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

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109	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
110	Problems with the use of a lateral flow assay in the serodiagnosis of brucellosis. Pathology, 2011, 43, 755-757.	0.3	0
111	Melioidosis: A Neglected Bacterial Infection Associated with High Mortality. Neglected Tropical Diseases, 2016, , 273-294.	0.4	0
112	Reply to Dale and Shulman. Journal of Infectious Diseases, 2019, 219, 675-676.	1.9	0
113	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