

# Thiravat Thiravat Hemachudha

## List of Publications by Year in descending order

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126  
papers

5,383  
citations

87723

38  
h-index

91712

69  
g-index

129  
all docs

129  
docs citations

129  
times ranked

4522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rabies re-examined. <i>Lancet Infectious Diseases</i> , The, 2002, 2, 327-343.	4.6	486
2	Human rabies: a disease of complex neuropathogenetic mechanisms and diagnostic challenges. <i>Lancet Neurology</i> , The, 2002, 1, 101-109.	4.9	346
3	Evidence for SARS-CoV-2 related coronaviruses circulating in bats and pangolins in Southeast Asia. <i>Nature Communications</i> , 2021, 12, 972.	5.8	276
4	Human rabies: neuropathogenesis, diagnosis, and management. <i>Lancet Neurology</i> , The, 2013, 12, 498-513.	4.9	272
5	Rabies. <i>Nature Reviews Disease Primers</i> , 2017, 3, 17091.	18.1	239
6	Bat Nipah Virus, Thailand. <i>Emerging Infectious Diseases</i> , 2005, 11, 1949-1951.	2.0	207
7	Evidence for Novel Hepaciviruses in Rodents. <i>PLoS Pathogens</i> , 2013, 9, e1003438.	2.1	187
8	Myelin Basic Protein as an Encephalitogen in Encephalomyelitis and Polyneuritis Following Rabies Vaccination. <i>New England Journal of Medicine</i> , 1987, 316, 369-374.	13.9	176
9	A Longitudinal Study of the Prevalence of Nipah Virus in <i>Pteropus lylei</i> Bats in Thailand: Evidence for Seasonal Preference in Disease Transmission. <i>Vector-Borne and Zoonotic Diseases</i> , 2010, 10, 183-190.	0.6	132
10	Diagnosis of Rabies by Polymerase Chain Reaction with Nested Primers. <i>Journal of Infectious Diseases</i> , 1993, 167, 207-210.	1.9	110
11	Failure of therapeutic coma and ketamine for therapy of human rabies. <i>Journal of NeuroVirology</i> , 2006, 12, 407-409.	1.0	101
12	Failure of Rabies Postexposure Prophylaxis In Patients Presenting with Unusual Manifestations. <i>Clinical Infectious Diseases</i> , 2010, 50, 77-79.	2.9	95
13	Difference in neuropathogenetic mechanisms in human furious and paralytic rabies. <i>Journal of the Neurological Sciences</i> , 2005, 238, 3-10.	0.3	81
14	Nucleic-acid sequence based amplification in the rapid diagnosis of rabies. <i>Lancet</i> , The, 2001, 358, 892-893.	6.3	79
15	Pathophysiology of human paralytic rabies. <i>Journal of NeuroVirology</i> , 2005, 11, 93-100.	1.0	77
16	Evaluating the efficiency of specimen pooling for PCR-based detection of COVID-19. <i>Journal of Medical Virology</i> , 2020, 92, 2193-2199.	2.5	77
17	Additional Reports of Failure to Respond to Treatment After Rabies Exposure in Thailand. <i>Clinical Infectious Diseases</i> , 1999, 28, 143-144.	2.9	71
18	Rabies control in South and Southeast Asia. <i>Vaccine</i> , 2005, 23, 2284-2289.	1.7	71

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19	Diversity of coronavirus in bats from Eastern Thailand. <i>Virology Journal</i> , 2015, 12, 57.	1.4	70
20	Failure of rabies postexposure treatment in Thailand. <i>Vaccine</i> , 1989, 7, 49-52.	1.7	68
21	Regional distribution of rabies viral antigen in central nervous system of human encephalitic and paralytic rabies. <i>Journal of the Neurological Sciences</i> , 1989, 92, 91-99.	0.3	67
22	Neurological adverse events associated with vaccination. <i>Current Opinion in Neurology</i> , 2002, 15, 333-338.	1.8	67
23	Group C Betacoronavirus in Bat Guano Fertilizer, Thailand. <i>Emerging Infectious Diseases</i> , 2013, 19, 1349-51.	2.0	65
24	Rabies Update for Travel Medicine Advisors. <i>Clinical Infectious Diseases</i> , 2003, 37, 96-100.	2.9	63
25	Immunologic study of human encephalitic and paralytic rabies. <i>American Journal of Medicine</i> , 1988, 84, 673-677.	0.6	60
26	Organ Transplantations and Rabies Transmission: Table 1. <i>Journal of Travel Medicine</i> , 2007, 14, 177-180.	1.4	60
27	Inhibition of rabies virus replication by multiple artificial microRNAs. <i>Antiviral Research</i> , 2009, 84, 76-83.	1.9	59
28	Transmission dynamics of rabies virus in Thailand: Implications for disease control. <i>BMC Infectious Diseases</i> , 2005, 5, 52.	1.3	56
29	Postexposure Treatment of Rabies Infection: Can It Be Done without Immunoglobulin?. <i>Clinical Infectious Diseases</i> , 2002, 34, 477-480.	2.9	54
30	Furious and paralytic rabies of canine origin: Neuroimaging with virological and cytokine studies. <i>Journal of NeuroVirology</i> , 2008, 14, 119-129.	1.0	52
31	More Accurate Insight into the Incidence of Human Rabies in Developing Countries through Validated Laboratory Techniques. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e765.	1.3	52
32	Ante- and post-mortem diagnosis of rabies using nucleic acid-amplification tests. <i>Expert Review of Molecular Diagnostics</i> , 2010, 10, 207-218.	1.5	49
33	Survey for Bat Lyssaviruses, Thailand. <i>Emerging Infectious Diseases</i> , 2005, 11, 232-236.	2.0	48
34	Immune response to rabies vaccine in Thai dogs: A preliminary report. <i>Vaccine</i> , 1991, 9, 627-630.	1.7	45
35	Worldwide rabies deaths prevention—A focus on the current inadequacies in postexposure prophylaxis of animal bite victims. <i>Vaccine</i> , 2016, 34, 187-189.	1.7	45
36	Longitudinal study of age-specific pattern of coronavirus infection in Lyle's flying fox ( <i>Pteropus lylei</i> ) in Thailand. <i>Virology Journal</i> , 2018, 15, 38.	1.4	44

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37	Duplex nested RT-PCR for detection of Nipah virus RNA from urine specimens of bats. <i>Journal of Virological Methods</i> , 2007, 141, 97-101.	1.0	42
38	Normocellular CSF in herpes simplex encephalitis. <i>BMC Research Notes</i> , 2016, 9, 95.	0.6	42
39	Antemortem Diagnosis of Human Rabies. <i>Clinical Infectious Diseases</i> , 2004, 39, 1085-1086.	2.9	40
40	Paralytic complications following intravenous rabies immune globulin treatment in a patient with furious rabies. <i>International Journal of Infectious Diseases</i> , 2003, 7, 76-77.	1.5	39
41	Mechanisms of escape phenomenon of spinal cord and brainstem in human rabies. <i>BMC Infectious Diseases</i> , 2005, 5, 104.	1.3	37
42	Neuroimaging in Rabies. <i>Advances in Virus Research</i> , 2011, 79, 309-327.	0.9	37
43	Idiopathic Hypertrophic Cranial Pachymeningitis: An Unusual Cause of Subacute and Chronic Headache. <i>Headache</i> , 1997, 37, 249-252.	1.8	36
44	Sequence Analysis of Rabies Virus in Humans Exhibiting Encephalitic or Paralytic Rabies. <i>Journal of Infectious Diseases</i> , 2003, 188, 960-966.	1.9	36
45	Viewpoint: management of human rabies. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2008, 102, 979-982.	0.7	36
46	Alteration of muscarinic acetylcholine receptors in rabies viral-infected dog brains. <i>Journal of the Neurological Sciences</i> , 1996, 137, 1-6.	0.3	32
47	Urine Samples for Rabies RNA Detection in the Diagnosis of Rabies in Humans. <i>Clinical Infectious Diseases</i> , 2002, 34, 874-875.	2.9	32
48	Development of a TaqMan real-time RT-PCR assay for the detection of rabies virus. <i>Journal of Virological Methods</i> , 2008, 151, 317-320.	1.0	32
49	Rabies. <i>Current Neurology and Neuroscience Reports</i> , 2006, 6, 460-468.	2.0	31
50	A simple method for detection of rabies viral sequences in 16-year old archival brain specimens with one-week fixation in formalin. <i>Journal of Virological Methods</i> , 2006, 134, 267-271.	1.0	31
51	An overview of the immunogenicity and effectiveness of current human rabies vaccines administered by intradermal route. <i>Vaccine</i> , 2019, 37, A99-A106.	1.7	30
52	Comprehensive Proteome Analysis of Hippocampus, Brainstem, and Spinal Cord from Paralytic and Furious Dogs Naturally Infected with Rabies. <i>Journal of Proteome Research</i> , 2011, 10, 4911-4924.	1.8	29
53	Autoimmune causes of encephalitis syndrome in Thailand: prospective study of 103 patients. <i>BMC Neurology</i> , 2013, 13, 150.	0.8	29
54	Comparative detection of rabies RNA by NASBA, real-time PCR and conventional PCR. <i>Journal of Virological Methods</i> , 2011, 175, 278-282.	1.0	27

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55	Rabies: changing prophylaxis and new insights in pathophysiology. <i>Current Opinion in Infectious Diseases</i> , 2018, 31, 93-101.	1.3	27
56	Association of HLA and T-cell receptor gene polymorphisms with Semple rabies vaccine-induced autoimmune encephalomyelitis. <i>Annals of Neurology</i> , 1999, 45, 595-600.	2.8	26
57	Differences and diversity of autoimmune encephalitis in 77 cases from a single tertiary care center. <i>BMC Neurology</i> , 2019, 19, 273.	0.8	26
58	Diagnostic utility of NMO/AQP4-IgG in evaluating CNS inflammatory disease in Thai patients. <i>Journal of the Neurological Sciences</i> , 2012, 320, 118-120.	0.3	23
59	Detection of rabies viral RNA by TaqMan real-time RT-PCR using non-neural specimens from dogs infected with rabies virus. <i>Journal of Virological Methods</i> , 2012, 184, 109-112.	1.0	23
60	Anticardiolipin antibodies in patients with rabies vaccination induced neurological complications and other neurological diseases. <i>Journal of the Neurological Sciences</i> , 1990, 96, 143-151.	0.3	22
61	Reduced viral burden in paralytic compared to furious canine rabies is associated with prominent inflammation at the brainstem level. <i>BMC Veterinary Research</i> , 2013, 9, 31.	0.7	22
62	Molecular characterization of Nipah virus from <i>Pteropus hypomelanus</i> in Southern Thailand. <i>Virology Journal</i> , 2016, 13, 53.	1.4	22
63	Nurse infected with Covid-19 from a provisional dengue patient. <i>Emerging Microbes and Infections</i> , 2020, 9, 1354-1355.	3.0	20
64	Early detection of neutralizing antibodies against SARS-CoV-2 in COVID-19 patients in Thailand. <i>PLoS ONE</i> , 2021, 16, e0246864.	1.1	20
65	MYOEDEMA AS A CLINICAL SIGN IN PARALYTIC RABIES. <i>Lancet, The</i> , 1987, 329, 1210.	6.3	17
66	Imported case of Middle East respiratory syndrome coronavirus (MERS-CoV) infection from Oman to Thailand, June 2015. <i>Eurosurveillance</i> , 2017, 22, .	3.9	17
67	Rabies: is provocation of the biting dog relevant for risk assessment?. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1992, 86, 443.	0.7	15
68	Immune activation in human rabies. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1993, 87, 106-108.	0.7	15
69	The "Milwaukee Protocol" for Treatment of Human Rabies Is No Longer Valid. <i>Pediatric Infectious Disease Journal</i> , 2015, 34, 678-679.	1.1	15
70	B-cell responses to myelin basic protein and its epitopes in autoimmune encephalomyelitis induced by Semple rabies vaccine. <i>Journal of Neuroimmunology</i> , 1999, 98, 96-104.	1.1	14
71	Survival after Treatment of Rabies. <i>New England Journal of Medicine</i> , 2005, 353, 1068-1069.	13.9	14
72	Intracellular Spread of Rabies Virus Is Reduced in the Paralytic Form of Canine Rabies Compared to the Furious Form. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004748.	1.3	13

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73	Rabies in a Thai child treated with the eight-site post-exposure regimen without rabies immune globulin. <i>Vaccine</i> , 2003, 21, 3525-3526.	1.7	12
74	Diagnosis of Rabies by Use of Brain Tissue Dried on Filter Paper. <i>Clinical Infectious Diseases</i> , 2003, 36, 674-675.	2.9	12
75	Pneumomediastinum as initial presentation of paralytic rabies: A case report. <i>BMC Infectious Diseases</i> , 2005, 5, 92.	1.3	12
76	T-705 as a Potential Therapeutic Agent for Rabies. <i>Journal of Infectious Diseases</i> , 2016, 214, 502-503.	1.9	12
77	Development of multiplex PCR for neglected infectious diseases. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007440.	1.3	12
78	A preliminary study of chemo- and cytokine responses in rabies vaccine recipients of intradermal and intramuscular regimens. <i>Vaccine</i> , 2010, 28, 4553-4557.	1.7	11
79	Molecular analysis of the mutational effects of Thai street rabies virus with increased virulence in mice after passages in the BHK cell line. <i>Archives of Virology</i> , 2012, 157, 2201-2205.	0.9	10
80	Rabies: Still a silent killer targeting the poor. <i>Vaccine</i> , 2017, 35, 2293-2294.	1.7	10
81	Rabies: Presentation, case management and therapy. <i>Journal of the Neurological Sciences</i> , 2021, 424, 117413.	0.3	10
82	Rabies and its prevention <sup>*</sup>. <i>Medical Journal of Australia</i> , 1994, 160, 83-87.	0.8	9
83	Rabies and dog population control in Thailand: success or failure?. <i>Journal of the Medical Association of Thailand = Chotmaihet Thangphaet</i> , 2005, 88, 120-3.	0.4	9
84	Does Contact with Urine and Blood from a Rabid Dog Represent a Rabies Risk?. <i>Clinical Infectious Diseases</i> , 2003, 37, 1399-1400.	2.9	8
85	Complex genetic structure of the rabies virus in Bangkok and its surrounding provinces, Thailand: implications for canine rabies control. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2006, 100, 276-281.	0.7	8
86	Rabies Virus Infection and MicroRNAs. <i>Advances in Virus Research</i> , 2011, 79, 329-344.	0.9	8
87	First Complete Genome Sequence of Human Coronavirus HKU1 from a Nonill Bat Guano Miner in Thailand. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	8
88	Two decades of one health surveillance of Nipah virus in Thailand. <i>One Health Outlook</i> , 2021, 3, 12.	1.4	8
89	Drinking Bat Blood May Be Hazardous to Your Health. <i>Clinical Infectious Diseases</i> , 2006, 43, 269-269.	2.9	7
90	Surveillance for Ebola Virus in Wildlife, Thailand. <i>Emerging Infectious Diseases</i> , 2015, 21, 2271-2273.	2.0	7

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91	Human Rabies Prevention (Comment From a Canineâ€Rabiesâ€Endemic Region). <i>Journal of Travel Medicine</i> , 2013, 20, 139-142.	1.4	6
92	Rabies vaccination at a virus-inoculated site as an alternative option to rabies immunoglobulin. <i>Archives of Virology</i> , 2016, 161, 2537-2541.	0.9	6
93	Low-cost management of mushroom poisoning in a limited-resource area: a 12-year retrospective study. <i>Tropical Doctor</i> , 2020, 50, 135-138.	0.2	6
94	IP-10 and complement activation as friend or foe in COVID-19. <i>International Journal of Immunopathology and Pharmacology</i> , 2022, 36, 039463202210962.	1.0	6
95	Currently approved post-exposure rabies prophylaxis regimens. <i>Travel Medicine and Infectious Disease</i> , 2012, 10, 162-163.	1.5	5
96	An Outbreak of Peripheral Neuropathy in a Prison. <i>Case Reports in Neurology</i> , 2019, 11, 53-60.	0.3	5
97	Identification of a Novel Pathogen Using Family-Wide PCR: Initial Confirmation of COVID-19 in Thailand. <i>Frontiers in Public Health</i> , 2020, 8, 555013.	1.3	5
98	An assessment of the niche centroid hypothesis: <i>Pteropus lylei</i> (Chiroptera). <i>Ecosphere</i> , 2020, 11, e03134.	1.0	5
99	Patch metrics of roosting site selection by Lyleâ€™s flying fox ( <i>Pteropus lylei</i> Andersen, 1908) in a human-dominated landscape in Thailand. <i>Folia Oecologica</i> , 2019, 46, 63-72.	0.4	5
100	HTLV-1 has reached Thailand via a heterosexual route. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1992, 86, 434.	0.7	4
101	Rabies and other lyssavirus diseases. <i>Lancet, The</i> , 2004, 363, 1906.	6.3	4
102	How far can the antigen content of tissue culture rabies vaccine be reduced safely?. <i>Vaccine</i> , 2006, 24, 1489-1489.	1.7	4
103	Influenza Virus-Associated Fatal Acute Necrotizing Encephalopathy: Role of Nonpermissive Viral Infection?. <i>Clinical Medicine Insights: Case Reports</i> , 2016, 9, CCRep.S40610.	0.3	4
104	Lack of Transmission of Zika Virus Infection to Breastfed Infant. <i>Clinical Medicine Insights: Case Reports</i> , 2019, 12, 117954761983517.	0.3	4
105	Encephalitis in Thailand: A Neglected Disease Increasingly Caused by Enterovirus. <i>Tropical Medicine and Infectious Disease</i> , 2021, 6, 117.	0.9	4
106	Multiple clades of SARSâ€CoVâ€2 were introduced to Thailand during the first quarter of 2020. <i>Microbiology and Immunology</i> , 2021, 65, 405-409.	0.7	4
107	Genetic variations from successive whole genome sequencing during COVID-19 treatment in five individuals. <i>New Microbes and New Infections</i> , 2022, 45, 100950.	0.8	4
108	DETECTION OF RABIES ANTIGEN IN CANINE PAROTID GLANDS BY DOT-BLOT TECHNIQUE. <i>Lancet, The</i> , 1988, 331, 881.	6.3	3

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109	Letter to the Editor. <i>Vaccine</i> , 2003, 21, 2691.	1.7	3
110	Increased pathogenicity of rabies virus due to modification of a non-coding region. <i>Archives of Virology</i> , 2016, 161, 3255-3261.	0.9	3
111	Genetic diversity and relationships among Lyle's flying fox colonies in Thailand. <i>Agriculture and Natural Resources</i> , 2018, 52, 607-611.	0.4	3
112	Continued Failure of Rabies Elimination—Consideration of Challenges in Applying the One Health Approach. <i>Frontiers in Veterinary Science</i> , 2022, 9, 847659.	0.9	3
113	Post-exposure rabies prophylaxis in patients with AIDS. <i>Vaccine</i> , 2009, 27, 5726-5727.	1.7	2
114	Surveillance of marine fish for ciguatera toxin at fish markets in Bangkok, Thailand. <i>Asian Biomedicine</i> , 2014, 8, 263-268.	0.2	2
115	A case of successive development of possible acute necrotizing encephalopathy after COVID-19 pneumonia. <i>SAGE Open Medical Case Reports</i> , 2022, 10, 2050313X2210836.	0.2	2
116	Rabies vaccination in Japan. <i>Vaccine</i> , 2009, 27, 181.	1.7	1
117	Human T-Lymphotropic Virus Type-1-Associated Myelopathy/Tropical Spastic Paraparesis: The First Case Report in Southeast Asia. <i>AIDS Research and Human Retroviruses</i> , 2017, 33, 629-631.	0.5	1
118	Use of qRT-PCR for SARS-CoV-2 sgRNA leader for the therapeutic plan: a preliminary report on 10 patients. <i>Journal of Infection in Developing Countries</i> , 2022, 16, 604-607.	0.5	1
119	Mapping Risk of Nipah Virus Transmission from Bats to Humans in Thailand. <i>EcoHealth</i> , 0, , .	0.9	1
120	Encephalomyelitis after rabies vaccine. <i>Clinical Immunology Newsletter</i> , 1988, 9, 193-194.	0.1	0
121	Simulated post-exposure rabies vaccination: comments on article by Madhusudana et al.. <i>International Journal of Infectious Diseases</i> , 2004, 8, 374-375.	1.5	0
122	Corrigendum to “Diagnostic utility of NMO/AQP4-IgG in evaluating CNS inflammatory disease in Thai patients” [Journal of the Neurological Sciences 320 (2012) 118–120]. <i>Journal of the Neurological Sciences</i> , 2012, 323, 273.	0.3	0
123	Rabies Diagnosis: MR Imaging. , 2014, , 221-231.		0
124	Infectious Causes and Infectious Mimics of Acute Encephalitis: a Prospective Study from Thailand. <i>Open Forum Infectious Diseases</i> , 2017, 4, S306-S306.	0.4	0
125	Rabies and the Traveler. , 0, , 119-129.		0
126	Behavioral “biological surveillance of emerging infectious diseases among a dynamic cohort in Thailand. <i>BMC Infectious Diseases</i> , 2022, 22, 472.	1.3	0