

# Wanpen Chaicumpa

## List of Publications by Year in descending order

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Version: 2024-02-01

99  
papers

4,351  
citations

159585

30  
h-index

123424

61  
g-index

103  
all docs

103  
docs citations

103  
times ranked

6435  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronavirus Disease 2019â€“COVID-19. <i>Clinical Microbiology Reviews</i> , 2020, 33, .	13.6	767
2	COVID-19, an emerging coronavirus infection: advances and prospects in designing and developing vaccines, immunotherapeutics, and therapeutics. <i>Human Vaccines and Immunotherapeutics</i> , 2020, 16, 1232-1238.	3.3	444
3	Emerging novel coronavirus (2019-nCoV)â€”current scenario, evolutionary perspective based on genome analysis and recent developments. <i>Veterinary Quarterly</i> , 2020, 40, 68-76.	6.7	366
4	SARS-CoV-2 jumping the species barrier: Zoonotic lessons from SARS, MERS and recent advances to combat this pandemic virus. <i>Travel Medicine and Infectious Disease</i> , 2020, 37, 101830.	3.0	176
5	Biomarkers in Stress Related Diseases/Disorders: Diagnostic, Prognostic, and Therapeutic Values. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 91.	3.5	161
6	A Comprehensive Review of Autophagy and Its Various Roles in Infectious, Non-Infectious, and Lifestyle Diseases: Current Knowledge and Prospects for Disease Prevention, Novel Drug Design, and Therapy. <i>Cells</i> , 2019, 8, 674.	4.1	154
7	Advances in therapeutic and management approaches of bovine mastitis: a comprehensive review. <i>Veterinary Quarterly</i> , 2021, 41, 107-136.	6.7	127
8	Nipah virus: epidemiology, pathology, immunobiology and advances in diagnosis, vaccine designing and control strategies â€” a comprehensive review. <i>Veterinary Quarterly</i> , 2019, 39, 26-55.	6.7	124
9	Modulation of Dengue/Zika Virus Pathogenicity by Antibody-Dependent Enhancement and Strategies to Protect Against Enhancement in Zika Virus Infection. <i>Frontiers in Immunology</i> , 2018, 9, 597.	4.8	97
10	Human monoclonal ScFv neutralize lethal Thai cobra, <i>Naja kaouthia</i> , neurotoxin. <i>Journal of Proteomics</i> , 2009, 72, 270-282.	2.4	94
11	Bovine brucellosis â€” a comprehensive review. <i>Veterinary Quarterly</i> , 2021, 41, 61-88.	6.7	90
12	Proteome and immunome of the venom of the Thai cobra, <i>Naja kaouthia</i> . <i>Toxicon</i> , 2007, 49, 1026-1041.	1.6	71
13	Advances in Designing and Developing Vaccines, Drugs, and Therapies to Counter Ebola Virus. <i>Frontiers in Immunology</i> , 2018, 9, 1803.	4.8	65
14	Diagnosis of Human Leptospirosis by Monoclonal Antibody-Based Antigen Detection in Urine. <i>Journal of Clinical Microbiology</i> , 2002, 40, 480-489.	3.9	55
15	A VHH That Neutralizes the Zinc Metalloproteinase Activity of Botulinum Neurotoxin Type A. <i>Journal of Biological Chemistry</i> , 2010, 285, 9657-9666.	3.4	55
16	Cell Penetrable Humanized-VH/VHH That Inhibit RNA Dependent RNA Polymerase (NS5B) of HCV. <i>PLoS ONE</i> , 2012, 7, e49254.	2.5	52
17	A Comprehensive Review on Chemical Profile and Pharmacological Activities of <i>Ocimum basilicum</i> . <i>Food Reviews International</i> , 2023, 39, 119-147.	8.4	50
18	Detection and drug resistance profile of <i>Escherichia coli</i> from subclinical mastitis cows and water supply in dairy farms in Saraburi Province, Thailand. <i>PeerJ</i> , 2017, 5, e3431.	2.0	43

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19	Zoonotic diseases of fish and their prevention and control. <i>Veterinary Quarterly</i> , 2022, 42, 95-118.	6.7	42
20	Advances in Designing and Developing Vaccines, Drugs and Therapeutic Approaches to Counter Human Papilloma Virus. <i>Frontiers in Immunology</i> , 2018, 9, 2478.	4.8	41
21	Humanized-Single Domain Antibodies (VH/VHH) that Bound Specifically to Naja kaouthia Phospholipase A2 and Neutralized the Enzymatic Activity. <i>Toxins</i> , 2012, 4, 554-567.	3.4	40
22	Role of Antisperm Antibodies in Infertility, Pregnancy, and Potential for Contraceptive and Antifertility Vaccine Designs: Research Progress and Pioneering Vision. <i>Vaccines</i> , 2019, 7, 116.	4.4	38
23	Proteome and Allergenome of Asian Wasp, <i>Vespa affinis</i> , Venom and IgE Reactivity of the Venom Components. <i>Journal of Proteome Research</i> , 2014, 13, 1336-1344.	3.7	37
24	Foot-and-Mouth Disease Virus: Immunobiology, Advances in Vaccines and Vaccination Strategies Addressing Vaccine Failures—An Indian Perspective. <i>Vaccines</i> , 2019, 7, 90.	4.4	37
25	A Human Single Chain Transbody Specific to Matrix Protein (M1) Interferes with the Replication of Influenza A Virus. <i>Bioconjugate Chemistry</i> , 2010, 21, 1134-1141.	3.6	33
26	Humanized-VHH Transbodies that Inhibit HCV Protease and Replication. <i>Viruses</i> , 2015, 7, 2030-2056.	3.3	33
27	Intranasal chitosan-DNA vaccines that protect across influenza virus subtypes. <i>International Journal of Pharmaceutics</i> , 2014, 473, 113-125.	5.2	32
28	Glutathione S-transferase (GST) of American Cockroach, <i>Periplaneta americana</i> : Classes, Isoforms, and Allergenicity. <i>Scientific Reports</i> , 2018, 8, 484.	3.3	32
29	Human transbodies that interfere with the functions of Ebola virus VP35 protein in genome replication and transcription and innate immune antagonism. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-15.	6.5	32
30	Human single-chain antibodies that neutralize homologous and heterologous strains and clades of influenza a virus subtype H5N1. <i>Antiviral Therapy</i> , 2009, 14, 221-230.	1.0	32
31	Technological interventions and advances in the diagnosis of intramammary infections in animals with emphasis on bovine population—a review. <i>Veterinary Quarterly</i> , 2019, 39, 76-94.	6.7	31
32	<i>Staphylococcus</i> spp. associated with subclinical bovine mastitis in central and northeast provinces of Thailand. <i>PeerJ</i> , 2019, 7, e6587.	2.0	31
33	Revisiting the Mechanisms of Immune Evasion Employed by Human Parasites. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 702125.	3.9	30
34	Rapid Diagnosis of Cholera Caused by <i>Vibrio cholerae</i> O139. <i>Journal of Clinical Microbiology</i> , 1998, 36, 3595-3600.	3.9	27
35	Human monoclonal ScFv specific to NS1 protein inhibits replication of influenza viruses across types and subtypes. <i>Antiviral Research</i> , 2013, 100, 226-237.	4.1	27
36	Cell-penetrable nanobodies (transbodies) that inhibit the tyrosine kinase activity of EGFR leading to the impediment of human lung adenocarcinoma cell motility and survival. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 18077-18087.	2.6	26

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37	Proteome, Allergome, and Novel Allergens of House Dust Mite, <i>Dermatophagoides farinae</i> . Journal of Proteome Research, 2016, 15, 422-430.	3.7	25
38	Humanized-VH/VHH that inhibit HCV replication by interfering with the virus helicase activity. Journal of Virological Methods, 2013, 194, 289-299.	2.1	24
39	Human Transbodies to HCV NS3/4A Protease Inhibit Viral Replication and Restore Host Innate Immunity. Frontiers in Immunology, 2016, 7, 318.	4.8	23
40	Mouse Model of Cat Allergic Rhinitis and Intranasal Liposome-Adjuvanted Refined Fel d 1 Vaccine. PLoS ONE, 2016, 11, e0150463.	2.5	22
41	Tregitope-linked Refined Allergen Vaccines for Immunotherapy in Cockroach Allergy. Scientific Reports, 2018, 8, 15480.	3.3	21
42	Evolution of Therapeutic Antibodies, Influenza Virus Biology, Influenza, and Influenza Immunotherapy. BioMed Research International, 2018, 2018, 1-23.	1.9	21
43	Inhibition of HCV replication by humanized-single domain transbodies to NS4B. Biochemical and Biophysical Research Communications, 2016, 476, 654-664.	2.1	20
44	<i>Staphylococcus argenteus</i> from rabbits in Thailand. MicrobiologyOpen, 2019, 8, e00665.	3.0	20
45	Ophiophagus hannah Venom: Proteome, Components Bound by Naja kaouthia Antivenin and Neutralization by N. kaouthia Neurotoxin-Specific Human ScFv. Toxins, 2014, 6, 1526-1558.	3.4	19
46	Human transbodies to VP40 inhibit cellular egress of Ebola virus-like particles. Biochemical and Biophysical Research Communications, 2016, 479, 245-252.	2.1	19
47	Immunodiagnosis of human trichinellosis using excretory-secretory (ES) antigen. Journal of Helminthology, 1992, 66, 297-304.	1.0	18
48	Heterosubtypic immunity to influenza mediated by liposome adjuvanted H5N1 recombinant protein vaccines. Vaccine, 2010, 28, 6765-6777.	3.8	18
49	Human scFvs That Counteract Bioactivities of Staphylococcus aureus TSST-1. Toxins, 2017, 9, 50.	3.4	17
50	Human monoclonal ScFv that bind to different functional domains of M2 and inhibit H5N1 influenza virus replication. Virology Journal, 2013, 10, 148.	3.4	16
51	Interference of HCV replication by cell penetrable human monoclonal scFv specific to NS5B polymerase. MAbs, 2014, 6, 1327-1339.	5.2	16
52	Proteome and immunome of pathogenic Leptospira spp. revealed by 2DE and 2DE-immunoblotting with immune serum. Asian Pacific Journal of Allergy and Immunology, 2007, 25, 53-73.	0.4	16
53	Human single-chain antibodies that neutralize homologous and heterologous strains and clades of influenza A virus subtype H5N1. Antiviral Therapy, 2009, 14, 221-30.	1.0	16
54	Swine coronaviruses (SCoVs) and their emerging threats to swine population, inter-species transmission, exploring the susceptibility of pigs for SARS-CoV-2 and zoonotic concerns. Veterinary Quarterly, 2022, 42, 125-147.	6.7	16

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55	Human single chain-transbodies that bound to domain-I of non-structural protein 5A (NS5A) of hepatitis C virus. <i>Scientific Reports</i> , 2017, 7, 15042.	3.3	14
56	Human single-chain antibodies that neutralize <i>Pseudomonas aeruginosa</i> -exotoxin A-mediated cellular apoptosis. <i>Scientific Reports</i> , 2019, 9, 14928.	3.3	14
57	Human Antibodies to VP4 Inhibit Replication of Enteroviruses Across Subgenotypes and Serotypes, and Enhance Host Innate Immunity. <i>Frontiers in Microbiology</i> , 2020, 11, 562768.	3.5	14
58	GD2 chimeric antigen receptor modified T cells in synergy with sub-toxic level of doxorubicin targeting osteosarcomas. <i>American Journal of Cancer Research</i> , 2020, 10, 674-687.	1.4	14
59	Generation of human single-chain variable fragment antibodies specific to dengue virus non-structural protein 1 that interfere with the virus infectious cycle. <i>MAbs</i> , 2014, 6, 474-482.	5.2	13
60	Structural Characterization of Humanized Nanobodies with Neutralizing Activity against the <i>Bordetella pertussis</i> CyaA-Hemolysin: Implications for a Potential Epitope of Toxin-Protective Antigen. <i>Toxins</i> , 2016, 8, 99.	3.4	13
61	Identification and production of mouse scFv to specific epitope of enterovirus-71 virion protein-2 (VP2). <i>Archives of Virology</i> , 2018, 163, 1141-1152.	2.1	13
62	The epidemiology, diagnosis and management of scrub typhus disease in China. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 3795-3805.	3.3	13
63	Novel Neutralizing Epitope of PEDV S1 Protein Identified by IgM Monoclonal Antibody. <i>Viruses</i> , 2022, 14, 125.	3.3	13
64	Dynein light chain DYNLL1 subunit facilitates porcine circovirus type 2 intracellular transports along microtubules. <i>Archives of Virology</i> , 2017, 162, 677-686.	2.1	12
65	Immunotherapeutic efficacy of liposome-encapsulated refined allergen vaccines against <i>Dermatophagoides pteronyssinus</i> allergy. <i>PLoS ONE</i> , 2017, 12, e0188627.	2.5	12
66	Humanized-monoclonal antibody against heterologous <i>Leptospira</i> infection. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 305-312.	2.1	11
67	Human ScFv that block sodium ion channel activity of tetrodotoxin. <i>Toxicon</i> , 2012, 59, 272-282.	1.6	10
68	Novel Candidates for Vaccine Development Against <i>Mycoplasma Capricolum</i> Subspecies <i>Capripneumoniae</i> (Mccp)â€”Current Knowledge and Future Prospects. <i>Vaccines</i> , 2019, 7, 71.	4.4	10
69	Characterization of IgE-binding proteins in the salivary glands of <i>Simulium nigrogilvum</i> (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	10
70	Human Single-chain Variable Fragments Neutralize <i>Pseudomonas aeruginosa</i> Quorum Sensing Molecule, 3O-C12-HSL, and Prevent Cells From the HSL-mediated Apoptosis. <i>Frontiers in Microbiology</i> , 2020, 11, 1172.	3.5	10
71	Generation of a nanobody against HER2 tyrosine kinase using phage display library screening for HER2-positive breast cancer therapy development. <i>Protein Engineering, Design and Selection</i> , 2021, 34, .	2.1	10
72	New facet of non-O1/non-O139 <i>Vibrio cholerae</i> hemolysin A: a competitive factor in the ecological niche. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	9

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73	Specific B-cell Epitope of Per a 1: A Major Allergen of American Cockroach (<i>Periplaneta</i>) Tj ETQq1 1 0.784314 rgBT <sub>9</sub> /Overlock 10 Tf 50	2.9	10
74	Interference of dengue replication by blocking the access of 3â€² SL RNA to the viral RNA-dependent RNA polymerase. <i>Antiviral Research</i> , 2020, 182, 104921.	4.1	8
75	Human Single-Chain Antibodies That Neutralize Elastolytic Activity of <i>Pseudomonas aeruginosa</i> LasB. <i>Pathogens</i> , 2021, 10, 765.	2.8	8
76	Antimicrobial Resistance and Virulence of Non-Typhoidal <i>Salmonella</i> from Retail Foods Marketed in Bangkok, Thailand. <i>Foods</i> , 2022, 11, 661.	4.3	8
77	Cell Penetrable Human scFv Specific to Middle Domain of Matrix Protein-1 Protects Mice from Lethal Influenza. <i>Viruses</i> , 2015, 7, 154-179.	3.3	7
78	<i>Solenopsis geminata</i> (tropical fire ant) anaphylaxis among Thai patients: its allergens and specific IgE-reactivity. <i>Asian Pacific Journal of Allergy and Immunology</i> , 2018, 36, 101-108.	0.4	7
79	Isolated CyaA-RTX subdomain from <i>Bordetella pertussis</i> : Structural and functional implications for its interaction with target erythrocyte membranes. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 76-81.	2.1	6
80	Immune and immune complex-forming components of <i>Brugia malayi</i> identified by microfilaremic human sera. <i>Experimental Parasitology</i> , 2019, 200, 92-98.	1.2	6
81	A novel IgE-binding epitope of cat major allergen, Fel d 1. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 593-598.	2.1	5
82	Concordance of skin prick test and serum-specific IgE to locally produced component-resolved diagnostics for cockroach allergy. <i>Annals of Allergy, Asthma and Immunology</i> , 2019, 122, 93-98.	1.0	5
83	A Component-Resolved Therapeutic Vaccine for Cockroach Allergy Made of Per a 9 and Transforming Growth Factor- $\beta$ Homologue, an Immunosuppressive Protein of <i>Brugia malayi</i> . <i>Frontiers in Immunology</i> , 2021, 12, 676558.	4.8	5
84	Engineered Human Monoclonal scFv to Receptor Binding Domain of Ebolavirus. <i>Vaccines</i> , 2021, 9, 457.	4.4	5
85	Engineered Fully Human Single-Chain Monoclonal Antibodies to PIM2 Kinase. <i>Molecules</i> , 2021, 26, 6436.	3.8	5
86	Sequence and Apoptotic Activity of VacA Cytotoxin Cloned from a <i>Helicobacter pylori</i> Thai Clinical Isolate. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	4
87	Proteomes of the female salivary glands of <i>Simulium nigrogilvum</i> and <i>Simulium nodosum</i> , the main human-biting black flies in Thailand. <i>Acta Tropica</i> , 2019, 194, 82-88.	2.0	4
88	Antibiotic Resistance Genes Among Carbapenem-resistant Enterobacterales (CRE) Isolates of Prapokklao Hospital, Chanthaburi Province, Thailand. <i>Infection and Drug Resistance</i> , 2021, Volume 14, 3485-3494.	2.7	4
89	Human Transbodies to Reverse Transcriptase Connection Subdomain of HIV-1 Gag-Pol Polyprotein Reduce Infectiousness of the Virus Progeny. <i>Vaccines</i> , 2021, 9, 893.	4.4	4
90	Quantification of Fel d 1 in house dust samples of cat allergic patients by using monoclonal antibody specific to a novel IgE-binding epitope. <i>Asian Pacific Journal of Allergy and Immunology</i> , 2018, 36, 8-15.	0.4	4

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91	Human single-chain variable fragment antibody inhibits macrophage migration inhibitory factor tautomerase activity. <i>International Journal of Molecular Medicine</i> , 2014, 33, 515-522.	4.0	3
92	Cockroaches: Allergens, Component-Resolved Diagnosis (CRD) and Component-Resolved Immunotherapy. <i>Current Protein and Peptide Science</i> , 2020, 21, 124-141.	1.4	3
93	Human Superantibodies to 3CLpro Inhibit Replication of SARS-CoV-2 across Variants. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6587.	4.1	3
94	Development of a Rapid Reverse Transcription-Recombinase Polymerase Amplification Couple Nucleic Acid Lateral Flow Method for Detecting Porcine Epidemic Diarrhoea Virus. <i>Biology</i> , 2022, 11, 1018.	2.8	3
95	Human Monoclonal scFvs that Neutralize Fibrinogenolytic Activity of Kaouthiagin, a Zinc-Metalloproteinase in Cobra ( <i>Naja kaouthia</i> ) Venom. <i>Toxins</i> , 2018, 10, 509.	3.4	1
96	A Search for Anti- <i>Naegleria fowleri</i> Agents Based on Competitive Exclusion Behavior of Microorganisms in Natural Aquatic Environments. <i>Pathogens</i> , 2021, 10, 142.	2.8	1
97	X-treme loss of sequence diversity linked to neo-X chromosomes in filarial nematodes. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009838.	3.0	1
98	Peptide of <i>Trichinella spiralis</i> Infective Larval Extract That Harnesses Growth of Human Hepatoma Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 882608.	3.9	1
99	GroEL Chaperonin-Based Assay for Early Diagnosis of Scrub Typhus. <i>Diagnostics</i> , 2022, 12, 136.	2.6	0