

# 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	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
2	GroEL Chaperonin-Based Assay for Early Diagnosis of Scrub Typhus. <i>Diagnostics</i> , 2022, 12, 136.	2.6	0
3	Novel Neutralizing Epitope of PEDV S1 Protein Identified by IgM Monoclonal Antibody. <i>Viruses</i> , 2022, 14, 125.	3.3	13
4	Antimicrobial Resistance and Virulence of Non-Typhoidal Salmonella from Retail Foods Marketed in Bangkok, Thailand. <i>Foods</i> , 2022, 11, 661.	4.3	8
5	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
6	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. <i>Veterinary Quarterly</i> , 2022, 42, 125-147.	6.7	16
7	Zoonotic diseases of fish and their prevention and control. <i>Veterinary Quarterly</i> , 2022, 42, 95-118.	6.7	42
8	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
9	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
10	Bovine brucellosis – a comprehensive review. <i>Veterinary Quarterly</i> , 2021, 41, 61-88.	6.7	90
11	Advances in therapeutic and managemental approaches of bovine mastitis: a comprehensive review. <i>Veterinary Quarterly</i> , 2021, 41, 107-136.	6.7	127
12	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
13	A Component-Resolved Therapeutic Vaccine for Cockroach Allergy Made of Per a 9 and Transforming Growth Factor- $\beta 2$ Homologue, an Immunosuppressive Protein of <i>Brugia malayi</i> . <i>Frontiers in Immunology</i> , 2021, 12, 676558.	4.8	5
14	Engineered Human Monoclonal scFv to Receptor Binding Domain of Ebolavirus. <i>Vaccines</i> , 2021, 9, 457.	4.4	5
15	Human Single-Chain Antibodies That Neutralize Elastolytic Activity of <i>Pseudomonas aeruginosa</i> LasB. <i>Pathogens</i> , 2021, 10, 765.	2.8	8
16	The epidemiology, diagnosis and management of scrub typhus disease in China. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 3795-3805.	3.3	13
17	Revisiting the Mechanisms of Immune Evasion Employed by Human Parasites. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 702125.	3.9	30
18	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

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19	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
20	Engineered Fully Human Single-Chain Monoclonal Antibodies to PIM2 Kinase. <i>Molecules</i> , 2021, 26, 6436.	3.8	5
21	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
22	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
23	Interference of dengue replication by blocking the access of 3' SL RNA to the viral RNA-dependent RNA polymerase. <i>Antiviral Research</i> , 2020, 182, 104921.	4.1	8
24	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
25	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
26	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
27	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
28	Coronavirus Disease 2019—COVID-19. <i>Clinical Microbiology Reviews</i> , 2020, 33, .	13.6	767
29	Emerging novel coronavirus (2019-nCoV)—current scenario, evolutionary perspective based on genome analysis and recent developments. <i>Veterinary Quarterly</i> , 2020, 40, 68-76.	6.7	366
30	Cockroaches: Allergens, Component-Resolved Diagnosis (CRD) and Component-Resolved Immunotherapy. <i>Current Protein and Peptide Science</i> , 2020, 21, 124-141.	1.4	3
31	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
32	<i>Staphylococcus argenteus</i> from rabbits in Thailand. <i>MicrobiologyOpen</i> , 2019, 8, e00665.	3.0	20
33	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
34	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
35	Novel Candidates for Vaccine Development Against <i>Mycoplasma Capricolum</i> Subspecies <i>Capripneumoniae</i> (Mccp)—Current Knowledge and Future Prospects. <i>Vaccines</i> , 2019, 7, 71.	4.4	10
36	Characterization of IgE-binding proteins in the salivary glands of <i>Simulium nigrogilvum</i> (Diptera: Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50 6	1.6	10

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37	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
38	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
39	Biomarkers in Stress Related Diseases/Disorders: Diagnostic, Prognostic, and Therapeutic Values. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 91.	3.5	161
40	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
41	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
42	Nipah virus: epidemiology, pathology, immunobiology and advances in diagnosis, vaccine designing and control strategies – a comprehensive review. <i>Veterinary Quarterly</i> , 2019, 39, 26-55.	6.7	124
43	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
44	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
45	<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
46	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
47	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
48	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
49	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
50	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
51	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
52	Human Monoclonal scFvs that Neutralize Fibrinolytic Activity of Kaouthiagin, a Zinc-Metalloproteinase in Cobra ( <i>Naja kaouthia</i> ) Venom. <i>Toxins</i> , 2018, 10, 509.	3.4	1
53	Tregitope-linked Refined Allergen Vaccines for Immunotherapy in Cockroach Allergy. <i>Scientific Reports</i> , 2018, 8, 15480.	3.3	21
54	Evolution of Therapeutic Antibodies, Influenza Virus Biology, Influenza, and Influenza Immunotherapy. <i>BioMed Research International</i> , 2018, 2018, 1-23.	1.9	21

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55	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
56	Advances in Designing and Developing Vaccines, Drugs, and Therapies to Counter Ebola Virus. <i>Frontiers in Immunology</i> , 2018, 9, 1803.	4.8	65
57	<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
58	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
59	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
60	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
61	Human scFvs That Counteract Bioactivities of <i>Staphylococcus aureus</i> TSST-1. <i>Toxins</i> , 2017, 9, 50.	3.4	17
62	Immunotherapeutic efficacy of liposome-encapsulated refined allergen vaccines against <i>Dermatophagoides pteronyssinus</i> allergy. <i>PLoS ONE</i> , 2017, 12, e0188627.	2.5	12
63	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
64	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
65	Human Transbodies to HCV NS3/4A Protease Inhibit Viral Replication and Restore Host Innate Immunity. <i>Frontiers in Immunology</i> , 2016, 7, 318.	4.8	23
66	Mouse Model of Cat Allergic Rhinitis and Intranasal Liposome-Adjuvanted Refined Fel d 1 Vaccine. <i>PLoS ONE</i> , 2016, 11, e0150463.	2.5	22
67	Human transbodies to VP40 inhibit cellular egress of Ebola virus-like particles. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 245-252.	2.1	19
68	Inhibition of HCV replication by humanized-single domain transbodies to NS4B. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 654-664.	2.1	20
69	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
70	Proteome, Allergenome, and Novel Allergens of House Dust Mite, <i>Dermatophagoides farinae</i> . <i>Journal of Proteome Research</i> , 2016, 15, 422-430.	3.7	25
71	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
72	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

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73	Humanized-VHH Transbodies that Inhibit HCV Protease and Replication. <i>Viruses</i> , 2015, 7, 2030-2056.	3.3	33
74	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
75	Specific B-cell Epitope of Per a 1: A Major Allergen of American Cockroach ( <i>Periplaneta</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.9	8
76	Interference of HCV replication by cell penetrable human monoclonal scFv specific to NS5B polymerase. <i>MAbs</i> , 2014, 6, 1327-1339.	5.2	16
77	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
78	Ophiophagus hannah Venom: Proteome, Components Bound by <i>Naja kaouthia</i> Antivenin and Neutralization by <i>N. kaouthia</i> Neurotoxin-Specific Human ScFv. <i>Toxins</i> , 2014, 6, 1526-1558.	3.4	19
79	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
80	Intranasal chitosan-DNA vaccines that protect across influenza virus subtypes. <i>International Journal of Pharmaceutics</i> , 2014, 473, 113-125.	5.2	32
81	Proteome and Allergome 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
82	Human monoclonal ScFv that bind to different functional domains of M2 and inhibit H5N1 influenza virus replication. <i>Virology Journal</i> , 2013, 10, 148.	3.4	16
83	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
84	Humanized-VH/VHH that inhibit HCV replication by interfering with the virus helicase activity. <i>Journal of Virological Methods</i> , 2013, 194, 289-299.	2.1	24
85	Humanized-Single Domain Antibodies (VH/VHH) that Bound Specifically to <i>Naja kaouthia</i> Phospholipase A2 and Neutralized the Enzymatic Activity. <i>Toxins</i> , 2012, 4, 554-567.	3.4	40
86	Human ScFv that block sodium ion channel activity of tetrodotoxin. <i>Toxicon</i> , 2012, 59, 272-282.	1.6	10
87	Cell Penetrable Humanized-VH/VHH That Inhibit RNA Dependent RNA Polymerase (NS5B) of HCV. <i>PLoS ONE</i> , 2012, 7, e49254.	2.5	52
88	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
89	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
90	Heterosubtypic immunity to influenza mediated by liposome adjuvanted H5N1 recombinant protein vaccines. <i>Vaccine</i> , 2010, 28, 6765-6777.	3.8	18

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91	Humanized-monoclonal antibody against heterologous <i>Leptospira</i> infection. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 305-312.	2.1	11
92	Human monoclonal ScFv neutralize lethal Thai cobra, <i>Naja kaouthia</i> , neurotoxin. <i>Journal of Proteomics</i> , 2009, 72, 270-282.	2.4	94
93	Human single-chain antibodies that neutralize homologous and heterologous strains and clades of influenza A virus subtype H5N1. <i>Antiviral Therapy</i> , 2009, 14, 221-30.	1.0	16
94	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
95	Proteome and immunome of the venom of the Thai cobra, <i>Naja kaouthia</i> . <i>Toxicon</i> , 2007, 49, 1026-1041.	1.6	71
96	Proteome and immunome of pathogenic <i>Leptospira</i> spp. revealed by 2DE and 2DE-immunoblotting with immune serum. <i>Asian Pacific Journal of Allergy and Immunology</i> , 2007, 25, 53-73.	0.4	16
97	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
98	Rapid Diagnosis of Cholera Caused by <i>Vibrio cholerae</i> O139. <i>Journal of Clinical Microbiology</i> , 1998, 36, 3595-3600.	3.9	27
99	Immunodiagnosis of human trichinellosis using excretory-secretory (ES) antigen. <i>Journal of Helminthology</i> , 1992, 66, 297-304.	1.0	18