

Polrat Wilairatana

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

1,243
citations

471509
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552781
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94
all docs

94
docs citations

94
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroinflammatory Markers: Key Indicators in the Pathology of Neurodegenerative Diseases. <i>Molecules</i> , 2022, 27, 3194.	3.8	78
2	Opioid Analgesia and Opioid-Induced Adverse Effects: A Review. <i>Pharmaceuticals</i> , 2021, 14, 1091.	3.8	66
3	Exploring the journey of emodin as a potential neuroprotective agent: Novel therapeutic insights with molecular mechanism of action. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112877.	5.6	54
4	Recent advancements of nanoparticles application in cancer and neurodegenerative disorders: At a glance. <i>Biomedicine and Pharmacotherapy</i> , 2022, 153, 113305.	5.6	50
5	Mechanisms, Anti-Quorum-Sensing Actions, and Clinical Trials of Medicinal Plant Bioactive Compounds against Bacteria: A Comprehensive Review. <i>Molecules</i> , 2022, 27, 1484.	3.8	42
6	Prevalence and characteristics of malaria among COVID-19 individuals: A systematic review, meta-analysis, and analysis of case reports. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009766.	3.0	41
7	Exploring the Immune-Boosting Functions of Vitamins and Minerals as Nutritional Food Bioactive Compounds: A Comprehensive Review. <i>Molecules</i> , 2022, 27, 555.	3.8	38
8	Bioactive Compounds and Their Derivatives: An Insight into Prospective Phytotherapeutic Approach against Alzheimer's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-22.	4.0	38
9	The Future Outlook of Antimalarial Drugs and Recent Work on the Treatment of Malaria. <i>Archives of Medical Research</i> , 2002, 33, 416-421.	3.3	31
10	Electron-microscopic examination of <i>Rickettsia tsutsugamushi</i> -infected human liver. <i>Tropical Medicine and International Health</i> , 2002, 3, 242-248.	2.3	28
11	Probiotics and Amelioration of Rheumatoid Arthritis: Significant Roles of <i>Lactobacillus casei</i> and <i>Lactobacillus acidophilus</i> . <i>Microorganisms</i> , 2021, 9, 1070.	3.6	25
12	Current advances of functional phytochemicals in <i>Nicotiana</i> plant and related potential value of tobacco processing waste: A review. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112191.	5.6	24
13	Nanotechnology Applications of Flavonoids for Viral Diseases. <i>Pharmaceutics</i> , 2021, 13, 1895.	4.5	24
14	Drug Delivery Strategies and Biomedical Significance of Hydrogels: Translational Considerations. <i>Pharmaceutics</i> , 2022, 14, 574.	4.5	23
15	Diterpenes/Diterpenoids and Their Derivatives as Potential Bioactive Leads against Dengue Virus: A Computational and Network Pharmacology Study. <i>Molecules</i> , 2021, 26, 6821.	3.8	22
16	The Role of Medicinal and Aromatic Plants against Obesity and Arthritis: A Review. <i>Nutrients</i> , 2022, 14, 985.	4.1	22
17	Frequency of Pruritus in <i>Plasmodium Vivax</i> Malaria Patients Treated with Chloroquine in Thailand. <i>Tropical Doctor</i> , 2000, 30, 211-214.	0.5	21
18	Antioxidant and Anti-Inflammatory Effects of <i>Peganum harmala</i> Extracts: An In Vitro and In Vivo Study. <i>Molecules</i> , 2021, 26, 6084.	3.8	21

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19	Curcuma longa rhizome extract and Curcumin reduce the adhesion of Acanthamoeba triangularis trophozoites and cysts in polystyrene plastic surface and contact lens. International Journal for Parasitology: Drugs and Drug Resistance, 2020, 14, 218-229.	3.4	18
20	Antiparasitic Properties of Cardiovascular Agents against Human Intravascular Parasite Schistosoma mansoni. Pharmaceuticals, 2021, 14, 686.	3.8	18
21	Vegetables and Their Bioactive Compounds as Anti-Aging Drugs. Molecules, 2022, 27, 2316.	3.8	18
22	Tumour necrosis factor- α as a prognostic biomarker of severe malaria: a systematic review and meta-analysis. Journal of Travel Medicine, 2022, 29, .	3.0	18
23	Anti-Acanthamoeba synergistic effect of chlorhexidine and Garcinia mangostana extract or α -mangostin against Acanthamoeba triangularis trophozoite and cyst forms. Scientific Reports, 2021, 11, 8053.	3.3	17
24	Increased interleukin-6 levels associated with malaria infection and disease severity: a systematic review and meta-analysis. Scientific Reports, 2022, 12, 5982.	3.3	17
25	Dietary Polyphenols: Extraction, Identification, Bioavailability, and Role for Prevention and Treatment of Colorectal and Prostate Cancers. Molecules, 2022, 27, 2831.	3.8	17
26	Burden of Liver Abscess and Survival Risk Score in Thailand: A Population-Based Study. American Journal of Tropical Medicine and Hygiene, 2016, 95, 683-688.	1.4	15
27	Can Artemisia herba-alba Be Useful for Managing COVID-19 and Comorbidities?. Molecules, 2022, 27, 492.	3.8	15
28	Leaky Gut Syndrome Is Associated with Endotoxemia and Serum $(1\rightarrow 3)\beta$ -D-Glucan in Severe Dengue Infection. Microorganisms, 2021, 9, 2390.	3.6	14
29	Plant lectins as prospective antiviral biomolecules in the search for COVID-19 eradication strategies. Biomedicine and Pharmacotherapy, 2022, 146, 112507.	5.6	14
30	Precision and Advanced Nano-Phytopharmaceuticals for Therapeutic Applications. Nanomaterials, 2022, 12, 238.	4.1	14
31	Pyrazoline derivatives as promising novel antischistosomal agents. Scientific Reports, 2021, 11, 23437.	3.3	14
32	The burden of cirrhosis and impact of universal coverage public health care system in Thailand: Nationwide study. Annals of Hepatology, 2015, 14, 862-868.	1.5	13
33	Clinical experience with intravenous quinine, intramuscular artemether and intravenous artesunate for the treatment of severe malaria in Thailand. Southeast Asian Journal of Tropical Medicine and Public Health, 2003, 34, 54-61.	1.0	13
34	Antiviral Therapeutic Potential of Curcumin: An Update. Molecules, 2021, 26, 6994.	3.8	13
35	Prevalence and risk of Plasmodium vivax infection among Duffy-negative individuals: a systematic review and meta-analysis. Scientific Reports, 2022, 12, 3998.	3.3	13
36	Evaluation of Benzaldehyde as an Antibiotic Modulator and Its Toxic Effect against Drosophila melanogaster. Molecules, 2021, 26, 5570.	3.8	12

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37	Appropriate Time for Primaquine Treatment to Reduce Plasmodium falciparum Transmission in Hypoendemic Areas. Korean Journal of Parasitology, 2010, 48, 179.	1.3	12
38	C-reactive protein as an early biomarker for malaria infection and monitoring of malaria severity: a meta-analysis. Scientific Reports, 2021, 11, 22033.	3.3	12
39	Does Oxidative Stress Management Help Alleviation of COVID-19 Symptoms in Patients Experiencing Diabetes?. Nutrients, 2022, 14, 321.	4.1	12
40	Ferulic acid derivatives inhibiting Staphylococcus aureus tetK and MsrA efflux pumps. Biotechnology Reports (Amsterdam, Netherlands), 2022, 34, e00717.	4.4	12
41	Natural Bioactive Compounds Targeting Histone Deacetylases in Human Cancers: Recent Updates. Molecules, 2022, 27, 2568.	3.8	12
42	Therapeutic Efficacy of Carvacrol-Loaded Nanoemulsion in a Mouse Model of Schistosomiasis. Frontiers in Pharmacology, 0, 13, .	3.5	12
43	Predictive score of uncomplicated falciparum malaria patients turning to severe malaria. Korean Journal of Parasitology, 2007, 45, 273.	1.3	11
44	Prevalence, probability, and outcomes of typhoidal/non-typhoidal Salmonella and malaria co-infection among febrile patients: a systematic review and meta-analysis. Scientific Reports, 2021, 11, 21889.	3.3	11
45	Abnormal Blood Bacteriome, Gut Dysbiosis, and Progression to Severe Dengue Disease. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	11
46	Estimating the Impact of Expanding Treatment Coverage and Allocation Strategies for Chronic Hepatitis C in a Direct Antiviral Agent Era. PLoS ONE, 2016, 11, e0163095.	2.5	10
47	Potential anti-Acanthamoeba and anti-adhesion activities of Annona muricata and Combretum trifoliatum extracts and their synergistic effects in combination with chlorhexidine against Acanthamoeba triangularis trophozoites and cysts. Heliyon, 2021, 7, e06976.	3.2	10
48	Prevalence and characteristics of malaria co-infection among individuals with visceral leishmaniasis in Africa and Asia: a systematic review and meta-analysis. Parasites and Vectors, 2021, 14, 545.	2.5	10
49	Susceptibility of Angiostrongylus cantonensis Larvae to Anthelmintic Drugs. Frontiers in Pharmacology, 0, 13, .	3.5	10
50	Prevalence of Malaria and Chikungunya Co-Infection in Febrile Patients: A Systematic Review and Meta-Analysis. Tropical Medicine and Infectious Disease, 2021, 6, 119.	2.3	9
51	Cytotoxicity of Essential Oil Cordia verbenaceae against Leishmania brasiliensis and Trypanosoma cruzi. Molecules, 2021, 26, 4485.	3.8	9
52	Prevalence of malaria and scrub typhus co-infection in febrile patients: a systematic review and meta-analysis. Parasites and Vectors, 2021, 14, 471.	2.5	9
53	Health promoting benefits of pongamol: An overview. Biomedicine and Pharmacotherapy, 2021, 142, 112109.	5.6	9
54	Phytochemical, anti-Acanthamoeba, and anti-adhesion properties of Garcinia mangostana flower as preventive contact lens solution. Acta Tropica, 2022, 226, 106266.	2.0	9

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55	Microbial resistance: The role of efflux pump superfamilies and their respective substrates. Life Sciences, 2022, 295, 120391.	4.3	9
56	Phytochemical Analysis, Antibacterial Activity and Modulating Effect of Essential Oil from <i>Syzygium cumini</i> (L.) Skeels. Molecules, 2022, 27, 3281.	3.8	9
57	Antibacterial, antibiofilm, and anti-adhesion activities of <i>Piper betle</i> leaf extract against Avian pathogenic <i>Escherichia coli</i> . Archives of Microbiology, 2022, 204, 49.	2.2	8
58	Nephrotoxicity caused by oral antiviral agents in patients with chronic hepatitis B treated in a hospital for tropical diseases in Thailand. BMC Pharmacology & Toxicology, 2015, 16, 38.	2.4	6
59	Prevalence of Malaria and Leptospirosis Co-Infection among Febrile Patients: A Systematic Review and Meta-Analysis. Tropical Medicine and Infectious Disease, 2021, 6, 122.	2.3	6
60	Incidence of Travelersâ€™ Diarrhea among Adult Foreign Travelers in Thailand: A Prospective Study. American Journal of Tropical Medicine and Hygiene, 2020, 102, 1009-1015.	1.4	6
61	Enhancement of Antibiotic Activity by 1,8-Naphthyridine Derivatives against Multi-Resistant Bacterial Strains. Molecules, 2021, 26, 7400.	3.8	6
62	Possible Mechanisms Underlying the Antispasmodic, Bronchodilator, and Antidiarrheal Activities of Polarityâ€“Based Extracts of <i>Cucumis sativus</i> L. Seeds in In Silico, In Vitro, and In Vivo Studies. Pharmaceuticals, 2022, 15, 641.	3.8	6
63	Chemotherapy of Cerebral Malaria. CNS Drugs, 1997, 7, 366-380.	5.9	5
64	<i>Peganum harmala</i> Extract Has Antiamoebic Activity to <i>Acanthamoeba triangularis</i> Trophozoites and Changes Expression of Autophagy-Related Genes. Pathogens, 2021, 10, 842.	2.8	5
65	<i>Zingiber officinale</i> : Ayurvedic Uses of the Plant and In Silico Binding Studies of Selected Phytochemicals With Mpro of SARS-CoV-2. Natural Product Communications, 2021, 16, 1934578X2110317.	0.5	5
66	Alteration of Blood Lactate Levels in Severe <i>Falciparum</i> Malaria: A Systematic Review and Meta-Analysis. Biology, 2021, 10, 1085.	2.8	5
67	Long term primaquine administration to reduce <i>Plasmodium falciparum</i> gametocyte transmission in hypoendemic areas. Southeast Asian Journal of Tropical Medicine and Public Health, 2010, 41, 1306-11.	1.0	5
68	Ethical issues of informed consent in malaria research proposals submitted to a research ethics committee in Thailand: a retrospective document review. BMC Medical Ethics, 2017, 18, 50.	2.4	4
69	Amoebicidal activity of <i>Cassia angustifolia</i> extract and its effect on <i>Acanthamoeba triangularis</i> autophagy-related gene expression at the transcriptional level. Parasitology, 2021, 148, 1074-1082.	1.5	4
70	Social restriction versus herd immunity policies in the early phase of the SARS-CoV-2 pandemic: A mathematical modelling study. Asian Pacific Journal of Allergy and Immunology, 2022, , .	0.4	4
71	Primaquine Administration after <i>Falciparum</i> Malaria Treatment in Malaria Hypoendemic Areas with High Incidence of <i>Falciparum</i> and Vivax Mixed Infection: Pros and Cons. Korean Journal of Parasitology, 2010, 48, 175.	1.3	4
72	Phytochemicals and Nano-Phytopharmaceuticals Use in Skin, Urogenital and Locomotor Disorders: Are We There?. Plants, 2022, 11, 1265.	3.5	4

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73	The Cholesterol-Modulating Effect of the New Herbal Medicinal Recipe from Yellow Vine (<i>Coscinium</i>) Tj ETQq1 1 0.784314 rgBT /Overbo on Suppressing PCSK9 Expression to Upregulate LDLR Expression in HepG2 Cells. <i>Plants</i> , 2022, 11, 1835.	3.5	4
74	Ethical considerations in malaria research proposal review: empirical evidence from 114 proposals submitted to an Ethics Committee in Thailand. <i>Malaria Journal</i> , 2015, 14, 342.	2.3	3
75	Na-TiNT Nanocrystals: Synthesis, Characterization, and Antibacterial Properties. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-10.	4.1	3
76	Factors associated with cerebral malaria. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2013, 44, 941-9.	1.0	3
77	Endoscopic Intravariceal Injection Sclerotherapy with 5% Ethanolamine in 187 Acute Oesophageal Variceal Bleeding Patients. <i>Digestive Endoscopy</i> , 1992, 4, 209-212.	2.3	2
78	Alteration of Platelet Count in Patients with Severe Non-Plasmodium falciparum Malaria: A Systematic Review and Meta-Analysis. <i>Biology</i> , 2021, 10, 1275.	2.8	2
79	Evaluation of the In Vitro Antiparasitic Effect of the Essential Oil of <i>Cymbopogon winterianus</i> and Its Chemical Composition Analysis. <i>Molecules</i> , 2022, 27, 2753.	3.8	2
80	Isolation and Characterization of <i>Werneria</i> Chromene and Dihydroxyacidissimol from <i>Burkillanthus Amalaccensis</i> (Ridl.) Swingle. <i>Plants</i> , 2022, 11, 1388.	3.5	2
81	Curcumin effect on <i>Acanthamoeba triangularis</i> encystation under nutrient starvation. <i>PeerJ</i> , 0, 10, e13657.	2.0	2
82	Predicting mortality in patients with malarial acute renal failure. <i>Nephrology</i> , 2000, 5, 109-113.	1.6	1
83	The genotypes of GYPA and GYPB carrying the MNSs antigens are not associated with cerebral malaria. <i>Journal of Human Genetics</i> , 2007, 52, 476-479.	2.3	1
84	Severe orthostatic hypotension in otherwise uncomplicated <i>Plasmodium vivax</i> infection. <i>Malaria Journal</i> , 2021, 20, 28.	2.3	1
85	Enhancement of the antibiotic activity mediated by the essential oil of <i>Ocotea odorifera</i> (VELL) ROWHER and safrole association. <i>Journal of Infection and Public Health</i> , 2022, 15, 373-377.	4.1	1
86	Vitamin K injection in spontaneous bleeding and coagulopathy in severe malaria: pros and cons. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2010, 41, 514-6.	1.0	1
87	Cruveilhier-Baumgarten syndrome in a cirrhotic patient taking alcohol with <i>Boesenbergia pundurata</i> . <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2010, 41, 1267-70.	1.0	1
88	Schizontemia as an indicator of severe malaria. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2013, 44, 740-3.	1.0	1
89	Differential Effects of a Novel Opioid Ligand UTA1003 on Antinociceptive Tolerance and Motor Behaviour. <i>Pharmaceuticals</i> , 2022, 15, 789.	3.8	1
90	Pfcr1 genotypes and related microsatellite DNA polymorphisms on <i>Plasmodium falciparum</i> differed among populations in the Greater Mekong Subregion. <i>Parasitology International</i> , 2018, 67, 816-823.	1.3	0

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91	Prevalence of Signs of Severity Identified in the Thai Population with Malaria: A Systematic Review and Meta-Analysis. International Journal of Environmental Research and Public Health, 2022, 19, 1196.	2.6	0
92	A Potential New Source of Therapeutic Agents for the Treatment of Mucocutaneous Leishmaniasis: The Essential Oil of Rhabdiodon echinus. Molecules, 2022, 27, 2169.	3.8	0