

Usa Boonyuen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

568
citations

840585

11
h-index

677027

22
g-index

30
all docs

30
docs citations

30
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of short-chain dehydrogenase/oxidoreductase, induced by salt stress, on host interaction of <i>B. pseudomallei</i> . <i>BMC Microbiology</i> , 2014, 14, 1.	1.3	180
2	Application of WST-8 based colorimetric NAD(P)H detection for quantitative dehydrogenase assays. <i>BMC Biochemistry</i> , 2019, 20, 4.	4.4	78
3	A trade off between catalytic activity and protein stability determines the clinical manifestations of glucose-6-phosphate dehydrogenase (G6PD) deficiency. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 145-156.	3.6	35
4	Detailed functional analysis of two clinical glucose-6-phosphate dehydrogenase (G6PD) variants, G6PDViangchan and G6PDViangchan+Mahidol: Decreased stability and catalytic efficiency contribute to the clinical phenotype. <i>Molecular Genetics and Metabolism</i> , 2016, 118, 84-91.	0.5	30
5	A novel cystatin derived from <i>Trichinella spiralis</i> suppresses macrophage-mediated inflammatory responses. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008192.	1.3	29
6	Dihydrofolate-Reductase Mutations in <i>Plasmodium knowlesi</i> Appear Unrelated to Selective Drug Pressure from Putative Human-To-Human Transmission in Sabah, Malaysia. <i>PLoS ONE</i> , 2016, 11, e0149519.	1.1	17
7	Molecular characterization of <i>Plasmodium falciparum</i> uracil-DNA glycosylase and its potential as a new anti-malarial drug target. <i>Malaria Journal</i> , 2014, 13, 149.	0.8	16
8	Efficient in vitro refolding and functional characterization of recombinant human liver carboxylesterase (CES1) expressed in <i>E. coli</i> . <i>Protein Expression and Purification</i> , 2015, 107, 68-75.	0.6	13
9	Effects of sodium chloride on heat resistance, oxidative susceptibility, motility, biofilm and plaque formation of <i>Burkholderia pseudomallei</i> . <i>MicrobiologyOpen</i> , 2017, 6, e00493.	1.2	13
10	Molecular characterization and functional analysis of the <i>Schistosoma mekongi</i> Ca ²⁺ -dependent cysteine protease (calpain). <i>Parasites and Vectors</i> , 2019, 12, 383.	1.0	13
11	Glucose-6-phosphate dehydrogenase mutations in malaria endemic area of Thailand by multiplexed high-resolution melting curve analysis. <i>Malaria Journal</i> , 2021, 20, 194.	0.8	13
12	Inactivation of bpsl1039-1040 ATP-binding cassette transporter reduces intracellular survival in macrophages, biofilm formation and virulence in the murine model of <i>Burkholderia pseudomallei</i> infection. <i>PLoS ONE</i> , 2018, 13, e0196202.	1.1	12
13	Identification of Novel Candidate Biomarkers for Oral Squamous Cell Carcinoma Based on Whole Gene Expression Profiling. <i>Pathology and Oncology Research</i> , 2020, 26, 2315-2325.	0.9	12
14	Hepatic protein Carbonylation profiles induced by lipid accumulation and oxidative stress for investigating cellular response to non-alcoholic fatty liver disease in vitro. <i>Proteome Science</i> , 2019, 17, 1.	0.7	11
15	Proteomic analysis of <i>Plasmodium falciparum</i> response to isocryptolepine derivative. <i>PLoS ONE</i> , 2019, 14, e0220871.	1.1	10
16	Transition-State Interactions in a Promiscuous Enzyme: Sulfate and Phosphate Monoester Hydrolysis by <i>Pseudomonas aeruginosa</i> Arylsulfatase. <i>Biochemistry</i> , 2019, 58, 1363-1378.	1.2	10
17	In vitro passage alters virulence, immune activation and proteomic profiles of <i>Burkholderia pseudomallei</i> . <i>Scientific Reports</i> , 2020, 10, 8320.	1.6	10
18	Human Single-Chain Antibodies That Neutralize Elastolytic Activity of <i>Pseudomonas aeruginosa</i> LasB. <i>Pathogens</i> , 2021, 10, 765.	1.2	8

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19	Functional and structural analysis of double and triple mutants reveals the contribution of protein instability to clinical manifestations of G6PD variants. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 884-893.	3.6	7
20	Controlled reversible assembly of gold nanoparticles as a new colorimetric and sensitive detection of glucose-6-phosphate dehydrogenase deficiency. <i>Analytica Chimica Acta</i> , 2020, 1122, 61-69.	2.6	6
21	Functional analysis of BPSS2242 reveals its detoxification role in <i>Burkholderia pseudomallei</i> under salt stress. <i>Scientific Reports</i> , 2020, 10, 10453.	1.6	6
22	The integrity and stability of specimens under different storage conditions for glucose-6-phosphate dehydrogenase deficiency screening using WST-8. <i>Acta Tropica</i> , 2021, 217, 105864.	0.9	6
23	Molecular Characterization of Seasonal Influenza A and B from Hospitalized Patients in Thailand in 2018â€“2019. <i>Viruses</i> , 2021, 13, 977.	1.5	6
24	Combined effects of double mutations on catalytic activity and structural stability contribute to clinical manifestations of glucose-6-phosphate dehydrogenase deficiency. <i>Scientific Reports</i> , 2021, 11, 24307.	1.6	6
25	Effects of low bisphenol A concentration on protein expression profiles in an in vitro model of non-alcoholic fatty liver disease. <i>Molecular and Cellular Toxicology</i> , 2018, 14, 61-70.	0.8	5
26	Amino acid substitutions in hemagglutinin of the 2009 pandemic influenza A(H1N1) viruses that might affect the viral antigenicity. <i>BMC Research Notes</i> , 2014, 7, 951.	0.6	4
27	Functional and structural analysis of trehalose-6-phosphate phosphatase from <i>Burkholderia pseudomallei</i> : Insights into the catalytic mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 979-984.	1.0	4
28	Genetic population of <i>Plasmodium knowlesi</i> during pre-malaria elimination in Thailand. <i>Malaria Journal</i> , 2021, 20, 454.	0.8	4
29	Polymorphisms in <i>Plasmodium vivax</i> antifolate resistance markers in Afghanistan between 2007 and 2017. <i>Malaria Journal</i> , 2020, 19, 251.	0.8	3
30	Genetic analysis of the orthologous crt and mdr1 genes in <i>Plasmodium malariae</i> from Thailand and Myanmar. <i>Malaria Journal</i> , 2020, 19, 315.	0.8	1