

# Lay Kek Teh

## List of Publications by Year in descending order

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98  
papers

1,903  
citations

279487

23  
h-index

315357

38  
g-index

98  
all docs

98  
docs citations

98  
times ranked

2982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight of the mitochondrial genomes of the Orang Asli and Malays: The heterogeneity and the disease-associated variants. <i>Mitochondrion</i> , 2022, 62, 74-84.	1.6	0
2	A systematic review on the cost effectiveness of pharmacogenomics in developing countries: implementation challenges. <i>Pharmacogenomics Journal</i> , 2022, 22, 147-159.	0.9	8
3	<i>CYP2D6</i> polymorphism and clinical factors that increase antituberculosis drug-induced hepatotoxicity. <i>Pharmacogenomics</i> , 2022, 23, 531-541.	0.6	2
4	Liquid Chromatography-Tandem Mass Spectrometry Method for the Determination of Vardenafil and Its Application of Bioequivalence. <i>International Journal of Analytical Chemistry</i> , 2021, 2021, 1-10.	0.4	2
5	Stress, Anxiety and Depression among a Cohort of Health Sciences Undergraduate Students: The Prevalence and Risk Factors. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3269.	1.2	27
6	Understanding the effects of <i>Moringa oleifera</i> in chronic unpredictable stressed zebrafish using metabolomics analysis. <i>Journal of Ethnopharmacology</i> , 2021, 278, 114290.	2.0	13
7	Association of N-acetyltransferase-2 Polymorphism with Antituberculosis Induced Hepatotoxicity: A Meta-analysis. <i>Current Pharmacogenomics and Personalized Medicine</i> , 2021, 18, 123-132.	0.2	0
8	Hyperleucocytosis grading score and NPM1 gene mutation among patients with acute myeloid leukemia: Malaysian experience. <i>Journal of Hematopathology</i> , 2020, 13, 33-40.	0.2	0
9	Association of <i>ABCC2</i> with levels and toxicity of methotrexate in Malaysian Childhood Acute Lymphoblastic Leukemia (ALL). <i>Pediatric Hematology and Oncology</i> , 2020, 37, 185-197.	0.3	18
10	Development and Validation of a High-Performance Liquid Chromatography-Tandem Mass Spectrometry Method for Methotrexate Quantitation in Human Serum. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1335-1339.	0.4	0
11	A Pharmacokinetic Study by LC-MS/MS to Quantify Isoquercetin and Astragaloside in Rat Serum After Oral Administration of a Combined Extract of <i>Moringa oleifera</i> and <i>Centella asiatica</i> . <i>Revista Brasileira De Farmacognosia</i> , 2020, 30, 804-809.	0.6	2
12	Determination toxic effects of <i>Hystrix Brachyura</i> bezoar extracts using cancer cell lines and embryo zebrafish ( <i>Danio rerio</i> ) models and identification of active principles through GC-MS analysis. <i>Journal of Ethnopharmacology</i> , 2020, 262, 113138.	2.0	5
13	Significant Decreased Expressions of CaN, VEGF, SLC39A6 and SFRP1 in MDA-MB-231 Xenograft Breast Tumor Mice Treated with <i>Moringa oleifera</i> Leaves and Seed Residue (MOLSR) Extracts. <i>Nutrients</i> , 2020, 12, 2993.	1.7	6
14	Hepatoprotective and antioxidant activities of <i>Dicranopteris linearis</i> leaf extract against paracetamol-induced liver intoxication in rats. <i>Pharmaceutical Biology</i> , 2020, 58, 478-489.	1.3	16
15	Genotype-Phenotype Correlation of $\beta^0$ -Thalassemia in Malaysian Population: Toward Effective Genetic Counseling. <i>Hemoglobin</i> , 2020, 44, 184-189.	0.4	7
16	Virtual screening, ADME study, and molecular dynamic simulation of chalcone and flavone derivatives as 5-Lipoxygenase (5-LO) inhibitor. <i>Molecular Simulation</i> , 2020, 46, 487-496.	0.9	11
17	Inhibitory Effects of Raw-Extract <i>Centella asiatica</i> (RECA) on Acetylcholinesterase, Inflammations, and Oxidative Stress Activities via In Vitro and In Vivo. <i>Molecules</i> , 2020, 25, 892.	1.7	32
18	Mitochondrial DNA mutations in Malaysian female breast cancer patients. <i>PLoS ONE</i> , 2020, 15, e0233461.	1.1	4

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19	Quadrupole-Time-of-Flight Mass Spectrometric Identification of Hemoglobin Subunits $\hat{1}\pm$ , $\hat{1}^2$ , $\hat{1}^3$ and $\hat{1}$ in Unknown Peaks of High Performance Liquid Chromatography of Hemoglobin in $\hat{1}^2$ -Thalassemias. <i>Hemoglobin</i> , 2019, 43, 182-187.	0.4	2
20	Interaction of Dietary Linoleic Acid and $\hat{1}\pm$ -Linolenic Acids with rs174547 in FADS1 Gene on Metabolic Syndrome Components among Vegetarians. <i>Nutrients</i> , 2019, 11, 1686.	1.7	17
21	Antinociceptive Activity of Petroleum Ether Fraction of <i>Clinacanthus nutans</i> Leaves Methanolic Extract: Roles of Nonopioid Pain Modulatory Systems and Potassium Channels. <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	6
22	Relative proteome quantification of alpha, beta, gamma and delta globin chains in early eluting peaks of Bio-Rad variant IIA <sup>®</sup> CE-HPLC of hemoglobin from healthy and beta-thalassemia subjects in Malaysia. <i>Biochemistry and Biophysics Reports</i> , 2019, 18, 100635.	0.7	2
23	Aqueous Partition of Methanolic Extract of <i>Dicranopteris linearis</i> Leaves Protects against Liver Damage Induced by Paracetamol. <i>Nutrients</i> , 2019, 11, 2945.	1.7	4
24	Effects of proton pump inhibitor on the human gut microbiome profile in multi-ethnic groups in Singapore. <i>Singapore Medical Journal</i> , 2019, 60, 512-521.	0.3	16
25	Diversified lineages and drug-resistance profiles of clinical isolates of <i>Mycobacterium tuberculosis</i> complex in Malaysia. <i>International Journal of Mycobacteriology</i> , 2019, 8, 320.	0.3	3
26	A study on the genetic polymorphisms of <i>CYP3A5</i> among the Orang Asli in Malaysia using a next generation sequencing platform. <i>Annals of Human Biology</i> , 2018, 45, 166-169.	0.4	3
27	Synthesis of azomethines derived from cinnamaldehyde and vanillin: in vitro acetylcholinesterase inhibitory, antioxidant and insilico molecular docking studies. <i>Medicinal Chemistry Research</i> , 2018, 27, 807-816.	1.1	31
28	Combined extract of <i>Moringa oleifera</i> and <i>Centella asiatica</i> modulates oxidative stress and senescence in hydrogen peroxide-induced human dermal fibroblasts. <i>Turkish Journal of Biology</i> , 2018, 42, 33-44.	2.1	14
29	Metabolomic profiling of serum in aging mice supplemented with tocotrienol-rich fraction for identification of female reproductive aging biomarkers. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2018, 14, 467-470.	0.4	1
30	Inference of the Genetic Polymorphisms of CYP2D6 in Six Subtribes of the Malaysian Orang Asli from Whole-Genome Sequencing Data. <i>Genetic Testing and Molecular Biomarkers</i> , 2017, 21, 409-415.	0.3	3
31	Metabolomic-guided discovery of Alzheimer's disease biomarkers from body fluid. <i>Journal of Neuroscience Research</i> , 2017, 95, 2005-2024.	1.3	39
32	Semipurified Ethyl Acetate Partition of Methanolic Extract of <i>Melastoma malabathricum</i> Leaves Exerts Gastroprotective Activity Partly via Its Antioxidant-Antisecretory-Anti-Inflammatory Action and Synergistic Action of Several Flavonoid-Based Compounds. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-14.	1.9	14
33	Coupling Genotyping and Computational Modeling in Prediction of Anti-epileptic Drugs that cause Stevens Johnson Syndrome and Toxic Epidermal Necrolysis for Carrier of HLA-B*15:02. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2016, 19, 147.	0.9	8
34	Hepatoprotective action of various partitions of methanol extract of <i>Bauhinia purpurea</i> leaves against paracetamol-induced liver toxicity: involvement of the antioxidant mechanisms. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 175.	3.7	9
35	Antinociception of petroleum ether fraction derived from crude methanol extract of <i>Melastoma malabathricum</i> leaves and its possible mechanisms of action in animal models. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 488.	3.7	11
36	Identification of novel acetylcholinesterase inhibitors: Indolopyrazoline derivatives and molecular docking studies. <i>Bioorganic Chemistry</i> , 2016, 67, 9-17.	2.0	61

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37	Genome Sequencing and Annotation of Mycobacterium tuberculosis PR08 strain. Genomics Data, 2016, 7, 119-120.	1.3	1
38	Mechanism(s) of action underlying the gastroprotective effect of ethyl acetate fraction obtained from the crude methanolic leaves extract of Muntingia calabura. BMC Complementary and Alternative Medicine, 2016, 16, 78.	3.7	30
39	Prevalence and risk factors of metabolic syndrome among an endangered tribal population in Malaysia using harmonized IDF criteria. International Journal of Diabetes in Developing Countries, 2016, 36, 352-358.	0.3	6
40	Antinociceptive effect of semi-purified petroleum ether partition of Muntingia calabura leaves. Revista Brasileira De Farmacognosia, 2016, 26, 408-419.	0.6	12
41	Transgenerational effects of paternal heroin addiction on anxiety and aggression behavior in male offspring. Behavioral and Brain Functions, 2016, 12, 23.	1.4	21
42	Systematic characterization and comparison of the CYP2C9 variability of the Orang Asli in Malaysia with 12 populations. Drug Metabolism and Pharmacokinetics, 2016, 31, 304-313.	1.1	2
43	Increased risks of cardiovascular diseases and insulin resistance among the Orang Asli in Peninsular Malaysia. BMC Public Health, 2016, 16, 284.	1.2	18
44	Genome sequencing and annotation of multidrug resistant Mycobacterium tuberculosis (MDR-TB) PR10 strain. Genomics Data, 2016, 7, 245-246.	1.3	2
45	Gastroprotective activity of chloroform extract of Muntingia calabura and Melastoma malabathricum leaves. Pharmaceutical Biology, 2016, 54, 812-826.	1.3	16
46	Assessment of Risk and Sero-Prevalence of Helicobacter pylori Colonization among Remote Orang Asli Tribes in Peninsula Malaysia. PLoS ONE, 2016, 11, e0159830.	1.1	9
47	Detection of CYP2C19 Genetic Variants in Malaysian Orang Asli from Massively Parallel Sequencing Data. PLoS ONE, 2016, 11, e0164169.	1.1	8
48	Nodamura virus B2 amino terminal domain sensitivity to small interfering RNA. Microbiology and Immunology, 2015, 59, 299-304.	0.7	0
49	Comparison of the anti-obesity and hypocholesterolaemic effects of single <i>actobacillus casei</i> strain Shirota and probiotic cocktail. International Journal of Food Science and Technology, 2015, 50, 1589-1597.	1.3	10
50	The Implication of the Polymorphisms of COX-1, UGT1A6, and CYP2C9 among Cardiovascular Disease (CVD) Patients Treated with Aspirin. Journal of Pharmacy and Pharmaceutical Sciences, 2015, 18, 474.	0.9	11
51	The genome sequence of Acinetobacter baumannii isolated from a septicemic patient in a local hospital in Malaysia. Genomics Data, 2015, 6, 128-129.	1.3	4
52	Mechanisms of $\pm$ -Mangostin-Induced Antinociception in a Rodent Model. Biological Research for Nursing, 2015, 17, 68-77.	1.0	11
53	Metabolomics and partial least square discriminant analysis to predict history of myocardial infarction of self-claimed healthy subjects: validity and feasibility for clinical practice. Journal of Clinical Bioinformatics, 2015, 5, 3.	1.2	14
54	Isolating the metabolic pathways involved in the hepatoprotective effect of Muntingia calabura against CCl4-induced liver injury using LC/MS Q-TOF. Journal of Ethnopharmacology, 2015, 166, 109-118.	2.0	26

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55	Mechanisms of gastroprotection of methanol extract of <i>Melastoma malabathricum</i> leaves. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 135.	3.7	20
56	Rapid spectrophotometric determination, characterization and anti-inflammatory efficacy evaluation of nanoencapsulated diclofenac sodium. <i>Journal of Drug Delivery Science and Technology</i> , 2014, 24, 361-366.	1.4	6
57	<i>Muntingia calabura</i> : A review of its traditional uses, chemical properties, and pharmacological observations. <i>Pharmaceutical Biology</i> , 2014, 52, 1598-1623.	1.3	56
58	Complete mitochondrial genome of Malaysian Mahseer ( <i>Tor tambroides</i> ). <i>Gene</i> , 2014, 548, 263-269.	1.0	18
59	The differential metabolite profiles of acute lymphoblastic leukaemic patients treated with 6-mercaptopurine using untargeted metabolomics approach. <i>Clinical Biochemistry</i> , 2014, 47, 427-431.	0.8	30
60	Effect of methanol extract of <i>Dicranopteris linearis</i> against carbon tetrachloride- induced acute liver injury in rats. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 123.	3.7	32
61	Antinociceptive activity of methanolic extract of <i>Muntingia calabura</i> leaves: further elucidation of the possible mechanisms. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 63.	3.7	20
62	Pharmacogenotyping of CYP3A5 in predicting dose-adjusted trough levels of tacrolimus among Malaysian kidney-transplant patients. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 50-57.	0.7	7
63	Effects of the Total Alkaloidal Extract of <i>Murraya koenigii</i> Leaf on Oxidative Stress and Cholinergic Transmission in Aged Mice. <i>Phytotherapy Research</i> , 2013, 27, 46-53.	2.8	19
64	Antinociceptive activity of a synthetic oxopyrrolidine-based compound, ASH21374, and determination of its possible mechanisms. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 1143-1153.	0.7	2
65	Activity-Guided Isolation of Bioactive Constituents with Antinociceptive Activity from <i>Muntingia calabura</i> L. Leaves Using the Formalin Test. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-9.	0.5	21
66	Hepatoprotective Activity of Methanolic Extract of <i>Bauhinia purpurea</i> Leaves against Paracetamol-Induced Hepatic Damage in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-10.	0.5	27
67	Potential of Dihydropyrimidine Dehydrogenase Genotypes in Personalizing 5-Fluorouracil Therapy Among Colorectal Cancer Patients. <i>Therapeutic Drug Monitoring</i> , 2013, 35, 624-630.	1.0	26
68	Systematic Pharmacogenomics Analysis of a Malay Whole Genome: Proof of Concept for Personalized Medicine. <i>PLoS ONE</i> , 2013, 8, e71554.	1.1	22
69	Antinociceptive Activity of Methanol Extract of <i>Muntingia calabura</i> Leaves and the Mechanisms of Action Involved. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-10.	0.5	35
70	Tridimensional Personalities and Polymorphism of Dopamine D2 Receptor Among Heroin Addicts. <i>Biological Research for Nursing</i> , 2012, 14, 188-196.	1.0	28
71	Pharmacogenomics of CYP2D6: Molecular Genetics, Interethnic Differences and Clinical Importance. <i>Drug Metabolism and Pharmacokinetics</i> , 2012, 27, 55-67.	1.1	171
72	The Risk of Recurrence in Breast Cancer Patients Treated with Tamoxifen: Polymorphisms of CYP2D6 and ABCB1. <i>AAPS Journal</i> , 2012, 14, 52-59.	2.2	58

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73	Search for the molecular basis of ultra-rapid CYP2C9-catalysed metabolism: relationship between SNP IVS8-109A>T and the losartan metabolism phenotype in Swedes. <i>European Journal of Clinical Pharmacology</i> , 2012, 68, 1033-1042.	0.8	14
74	Clinical relevance of VKORC1 (G-1639A and C1173T) and CYP2C9*3 among patients on warfarin. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2012, 37, 232-236.	0.7	22
75	Polymorphism of ITPA 94C>A and risk of adverse effects among patients with acute lymphoblastic leukaemia treated with 6-mercaptopurine. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2012, 37, 237-241.	0.7	42
76	<i>In Vitro</i> Antiproliferative and Antioxidant Activities of the Extracts of <i>Muntingia calabura</i> Leaves. <i>The American Journal of Chinese Medicine</i> , 2011, 39, 183-200.	1.5	57
77	In vivo antiulcer activity of the aqueous extract of <i>Bauhinia purpurea</i> leaf. <i>Journal of Ethnopharmacology</i> , 2011, 137, 1047-1054.	2.0	50
78	<i>In Vitro</i> Antiproliferative and Antioxidant Activities and Total Phenolic Contents of the Extracts of <i>Melastoma malabathricum</i> Leaves. <i>JAMS Journal of Acupuncture and Meridian Studies</i> , 2011, 4, 248-256.	0.3	51
79	Influence of DRD2 polymorphisms on the clinical outcomes of patients with schizophrenia. <i>Psychiatric Genetics</i> , 2011, 21, 183-189.	0.6	20
80	<i>Zingiber zerumbet</i> (L.) Smith: A Review of Its Ethnomedicinal, Chemical, and Pharmacological Uses. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-12.	0.5	124
81	Mutational analysis of CYP2C8 in hypertensive patients using denaturing high performance liquid chromatography. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2010, 35, 723-728.	0.7	5
82	Role of pharmacodiagnostic of CYP2C9 variants in the optimization of warfarin therapy in Malaysia: A 6-month follow-up study. <i>Xenobiotica</i> , 2008, 38, 641-651.	0.5	19
83	Functional Role of Ile264 in CYP2C8: Mutations Affect Haem Incorporation and Catalytic Activity. <i>Drug Metabolism and Pharmacokinetics</i> , 2008, 23, 165-174.	1.1	22
84	Single step PCR for detection of allelic variation of MDR1 gene (P-glycoprotein) among three ethnic groups in Malaysia. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2007, 32, 313-319.	0.7	21
85	The relevance of CYP2D6 genetic polymorphism on chronic metoprolol therapy in cardiovascular patients. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2006, 31, 99-109.	0.7	56
86	Malaysian Indians are genetically similar to Caucasians: CYP2C9 polymorphism. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2006, 31, 187-191.	0.7	22
87	An improved rapid genotyping method for the study of beta-2 adrenergic receptor gene polymorphisms using single tube allele specific multiplex PCR. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2006, 31, 637-640.	0.7	1
88	CYP2A6 polymorphisms in Malays, Chinese and Indians. <i>Xenobiotica</i> , 2006, 36, 684-692.	0.5	24
89	Genetic polymorphism of CYP2C8 in three Malaysian ethnics: CYP2C8*2 and CYP2C8*3 are found in Malaysian Indians. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2005, 30, 487-490.	0.7	25
90	Genetic polymorphism of CYP2D6 in patients with cardiovascular disease - a cohort study. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2004, 29, 559-564.	0.7	7

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91	A simple and rapid genotyping method for beta-2 receptor (beta2 AR) gene using allele specific multiplex PCR. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2004, 29, 47-52.	0.7	5
92	A simple multiplex PCR method for the concurrent detection of three CYP2C8 variants. <i>Clinica Chimica Acta</i> , 2004, 349, 191-198.	0.5	11
93	Genetic polymorphism of CYP2D6 in Chinese subjects in Malaysia. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2003, 28, 279-284.	0.7	18
94	A simple method for the detection of CYP2C9 polymorphisms: nested allele-specific multiplex polymerase chain reaction. <i>Clinica Chimica Acta</i> , 2003, 336, 97-102.	0.5	13
95	Heterogeneity of the CYP2D6 gene among Malays in Malaysia. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2001, 26, 205-211.	0.7	45
96	Genetic polymorphism of CYP2D6: Malaysian Indians have the highest frequency for CYP2D6*4 in Asia. <i>European Journal of Clinical Pharmacology</i> , 2001, 57, 617-618.	0.8	18
97	CYP2D6 phenotypes among Malays in Malaysia. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2000, 25, 379-383.	0.7	7
98	Chloramphenicol in children: dose, plasma levels and clinical effects. <i>Annals of Tropical Paediatrics</i> , 1998, 18, 123-128.	1.0	8