

# 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	Pharmacogenomics of CYP2D6: Molecular Genetics, Interethnic Differences and Clinical Importance. Drug Metabolism and Pharmacokinetics, 2012, 27, 55-67.	1.1	171
2	<i>Zingiber zerumbet</i> (L.) Smith: A Review of Its Ethnomedicinal, Chemical, and Pharmacological Uses. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-12.	0.5	124
3	Identification of novel acetylcholinesterase inhibitors: Indolopyrazoline derivatives and molecular docking studies. Bioorganic Chemistry, 2016, 67, 9-17.	2.0	61
4	The Risk of Recurrence in Breast Cancer Patients Treated with Tamoxifen: Polymorphisms of CYP2D6 and ABCB1. AAPS Journal, 2012, 14, 52-59.	2.2	58
5	<i>In Vitro</i> Antiproliferative and Antioxidant Activities of the Extracts of <i>Muntingia calabura</i> Leaves. The American Journal of Chinese Medicine, 2011, 39, 183-200.	1.5	57
6	The relevance of CYP2D6 genetic polymorphism on chronic metoprolol therapy in cardiovascular patients. Journal of Clinical Pharmacy and Therapeutics, 2006, 31, 99-109.	0.7	56
7	<i>Muntingia calabura</i> : A review of its traditional uses, chemical properties, and pharmacological observations. Pharmaceutical Biology, 2014, 52, 1598-1623.	1.3	56
8	<i>In Vitro</i> Antiproliferative and Antioxidant Activities and Total Phenolic Contents of the Extracts of <i>Melastoma malabathricum</i> Leaves. JAMS Journal of Acupuncture and Meridian Studies, 2011, 4, 248-256.	0.3	51
9	In vivo antiulcer activity of the aqueous extract of <i>Bauhinia purpurea</i> leaf. Journal of Ethnopharmacology, 2011, 137, 1047-1054.	2.0	50
10	Heterogeneity of the CYP2D6 gene among Malays in Malaysia. Journal of Clinical Pharmacy and Therapeutics, 2001, 26, 205-211.	0.7	45
11	Polymorphism of ITPA 94C>A and risk of adverse effects among patients with acute lymphoblastic leukaemia treated with 6-mercaptopurine. Journal of Clinical Pharmacy and Therapeutics, 2012, 37, 237-241.	0.7	42
12	Metabolomic-guided discovery of Alzheimer's disease biomarkers from body fluid. Journal of Neuroscience Research, 2017, 95, 2005-2024.	1.3	39
13	Antinociceptive Activity of Methanol Extract of <i>Muntingia calabura</i> Leaves and the Mechanisms of Action Involved. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-10.	0.5	35
14	Effect of methanol extract of <i>Dicranopteris linearis</i> against carbon tetrachloride- induced acute liver injury in rats. BMC Complementary and Alternative Medicine, 2014, 14, 123.	3.7	32
15	Inhibitory Effects of Raw-Extract <i>Centella asiatica</i> (RECA) on Acetylcholinesterase, Inflammations, and Oxidative Stress Activities via <i>In Vitro</i> and <i>In Vivo</i> . Molecules, 2020, 25, 892.	1.7	32
16	Synthesis of azomethines derived from cinnamaldehyde and vanillin: in vitro acetylcholinesterase inhibitory, antioxidant and insilico molecular docking studies. Medicinal Chemistry Research, 2018, 27, 807-816.	1.1	31
17	The differential metabolite profiles of acute lymphoblastic leukaemic patients treated with 6-mercaptopurine using untargeted metabolomics approach. Clinical Biochemistry, 2014, 47, 427-431.	0.8	30
18	Mechanism(s) of action underlying the gastroprotective effect of ethyl acetate fraction obtained from the crude methanolic leaves extract of <i>Muntingia calabura</i> . BMC Complementary and Alternative Medicine, 2016, 16, 78.	3.7	30

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19	Tridimensional Personalities and Polymorphism of Dopamine D2 Receptor Among Heroin Addicts. <i>Biological Research for Nursing</i> , 2012, 14, 188-196.	1.0	28
20	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
21	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
22	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
23	Isolating the metabolic pathways involved in the hepatoprotective effect of <i>Muntingia calabura</i> against CCl4-induced liver injury using LC/MS Q-TOF. <i>Journal of Ethnopharmacology</i> , 2015, 166, 109-118.	2.0	26
24	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
25	CYP2A6 polymorphisms in Malays, Chinese and Indians. <i>Xenobiotica</i> , 2006, 36, 684-692.	0.5	24
26	Malaysian Indians are genetically similar to Caucasians: CYP2C9 polymorphism. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2006, 31, 187-191.	0.7	22
27	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
28	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
29	Systematic Pharmacogenomics Analysis of a Malay Whole Genome: Proof of Concept for Personalized Medicine. <i>PLoS ONE</i> , 2013, 8, e71554.	1.1	22
30	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
31	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
32	Transgenerational effects of paternal heroin addiction on anxiety and aggression behavior in male offspring. <i>Behavioral and Brain Functions</i> , 2016, 12, 23.	1.4	21
33	Influence of DRD2 polymorphisms on the clinical outcomes of patients with schizophrenia. <i>Psychiatric Genetics</i> , 2011, 21, 183-189.	0.6	20
34	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
35	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
36	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

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37	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
38	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
39	Genetic polymorphism of CYP2D6 in Chinese subjects in Malaysia. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2003, 28, 279-284.	0.7	18
40	Complete mitochondrial genome of Malaysian Mahseer ( <i>Tor tambroides</i> ). <i>Gene</i> , 2014, 548, 263-269.	1.0	18
41	Increased risks of cardiovascular diseases and insulin resistance among the Orang Asli in Peninsular Malaysia. <i>BMC Public Health</i> , 2016, 16, 284.	1.2	18
42	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
43	Interaction of Dietary Linoleic Acid and $\pm$ -Linolenic Acids with rs174547 in FADS1 Gene on Metabolic Syndrome Components among Vegetarians. <i>Nutrients</i> , 2019, 11, 1686.	1.7	17
44	Gastroprotective activity of chloroform extract of <i>Muntingia calabura</i> and <i>Melastoma malabathricum</i> leaves. <i>Pharmaceutical Biology</i> , 2016, 54, 812-826.	1.3	16
45	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
46	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
47	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
48	Metabolomics and partial least square discriminant analysis to predict history of myocardial infarction of self-claimed healthy subjects: validity and feasibility for clinical practice. <i>Journal of Clinical Bioinformatics</i> , 2015, 5, 3.	1.2	14
49	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
50	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
51	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
52	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
53	Antinociceptive effect of semi-purified petroleum ether partition of <i>Muntingia calabura</i> leaves. <i>Revista Brasileira De Farmacognosia</i> , 2016, 26, 408-419.	0.6	12
54	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

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55	The Implication of the Polymorphisms of COX-1, UGT1A6, and CYP2C9 among Cardiovascular Disease (CVD) Patients Treated with Aspirin. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2015, 18, 474.	0.9	11
56	Mechanisms of Î±-Mangostin-Induced Antinociception in a Rodent Model. <i>Biological Research for Nursing</i> , 2015, 17, 68-77.	1.0	11
57	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
58	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
59	Comparison of the anti-obesity and hypocholesterolaemic effects of single <i>Lactobacillus casei</i> strain Shirota and probiotic cocktail. <i>International Journal of Food Science and Technology</i> , 2015, 50, 1589-1597.	1.3	10
60	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
61	Assessment of Risk and Sero-Prevalence of <i>Helicobacter pylori</i> Colonization among Remote Orang Asli Tribes in Peninsula Malaysia. <i>PLoS ONE</i> , 2016, 11, e0159830.	1.1	9
62	Chloramphenicol in children: dose, plasma levels and clinical effects. <i>Annals of Tropical Paediatrics</i> , 1998, 18, 123-128.	1.0	8
63	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
64	Detection of CYP2C19 Genetic Variants in Malaysian Orang Asli from Massively Parallel Sequencing Data. <i>PLoS ONE</i> , 2016, 11, e0164169.	1.1	8
65	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
66	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
67	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
68	Genotype-Phenotype Correlation of Î²-Thalassemia in Malaysian Population: Toward Effective Genetic Counseling. <i>Hemoglobin</i> , 2020, 44, 184-189.	0.4	7
69	CYP2D6 phenotypes among Malays in Malaysia. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2000, 25, 379-383.	0.7	7
70	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
71	Prevalence and risk factors of metabolic syndrome among an endangered tribal population in Malaysia using harmonized IDF criteria. <i>International Journal of Diabetes in Developing Countries</i> , 2016, 36, 352-358.	0.3	6
72	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

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73	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
74	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
75	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
76	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
77	The genome sequence of <i>Acinetobacter baumannii</i> isolated from a septicemic patient in a local hospital in Malaysia. <i>Genomics Data</i> , 2015, 6, 128-129.	1.3	4
78	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
79	Mitochondrial DNA mutations in Malaysian female breast cancer patients. <i>PLoS ONE</i> , 2020, 15, e0233461.	1.1	4
80	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
81	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
82	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
83	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
84	Systematic characterization and comparison of the CYP2C9 variability of the Orang Asli in Malaysia with 12 populations. <i>Drug Metabolism and Pharmacokinetics</i> , 2016, 31, 304-313.	1.1	2
85	Genome sequencing and annotation of multidrug resistant <i>Mycobacterium tuberculosis</i> (MDR-TB) PR10 strain. <i>Genomics Data</i> , 2016, 7, 245-246.	1.3	2
86	Quadrupole-Time-of-Flight Mass Spectrometric Identification of Hemoglobin Subunits $\hat{1}\pm$ , $\hat{1}^2$ , $\hat{1}^3$ and $\hat{1}^4$ 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
87	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
88	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
89	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
90	<i>NAT2</i> polymorphism and clinical factors that increase antituberculosis drug-induced hepatotoxicity. <i>Pharmacogenomics</i> , 2022, 23, 531-541.	0.6	2

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91	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
92	Genome Sequencing and Annotation of <i>Mycobacterium tuberculosis</i> PR08 strain. <i>Genomics Data</i> , 2016, 7, 119-120.	1.3	1
93	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
94	Nodamura virus B2 amino terminal domain sensitivity to small interfering RNA. <i>Microbiology and Immunology</i> , 2015, 59, 299-304.	0.7	0
95	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
96	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
97	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
98	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