

# Juraithip Wungsintaweekul

## List of Publications by Year in descending order

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39  
papers

805  
citations

516215

16  
h-index

500791

28  
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all docs

39  
docs citations

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times ranked

921  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of PEG molecular weight and linking chemistry on the biological activity and thermal stability of PEGylated trypsin. <i>International Journal of Pharmaceutics</i> , 2008, 357, 252-259.	2.6	95
2	Structure of 2C-methyl-d-erythritol-2,4-cyclodiphosphate synthase involved in mevalonate-independent biosynthesis of isoprenoids. <i>Journal of Molecular Biology</i> , 2002, 316, 79-88.	2.0	84
3	Biosynthesis of terpenoids. <i>FEBS Journal</i> , 2001, 268, 3190-3197.	0.2	60
4	Biosynthesis of terpenoids: 1-deoxy-D-xylulose-5-phosphate reductoisomerase from <i>Escherichia coli</i> is a class B dehydrogenase. <i>FEBS Letters</i> , 2000, 465, 157-160.	1.3	46
5	Phosphorylation of 1-deoxy-D-xylulose by D-xylulokinase of <i>Escherichia coli</i> . <i>FEBS Journal</i> , 2001, 268, 310-316.	0.2	41
6	Enzyme-Assisted Preparation of Isotope-Labeled 1-Deoxy-d-xylulose 5-Phosphate. <i>Journal of Organic Chemistry</i> , 2001, 66, 3948-3952.	1.7	36
7	An Efficient Preparation of 2-C-Methyl-d-Erythritol 4-Phosphoric Acid and Its Derivatives. <i>Journal of Organic Chemistry</i> , 2000, 65, 587-592.	1.7	35
8	Studies on the nonmevalonate pathway of terpene biosynthesis. <i>FEBS Journal</i> , 2001, 268, 6302-6310.	0.2	33
9	Biosynthesis of Terpenoids: An Efficient Multistep Biotransformation Procedures Affording Isotope-Labeled 2C-Methyl-d-erythritol 4-Phosphate Using Recombinant 2C-Methyl-d-erythritol 4-Phosphate Synthase. <i>Journal of Organic Chemistry</i> , 2001, 66, 7770-7775.	1.7	32
10	Development of indirect competitive ELISA for quantification of mitragynine in Kratom ( <i>Mitragyna</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	28
11	Biosynthesis of $\hat{1}^2$ -sitosterol and stigmasterol proceeds exclusively via the mevalonate pathway in cell suspension cultures of <i>Croton stellatopilosus</i> . <i>Tetrahedron Letters</i> , 2008, 49, 4067-4072.	0.7	27
12	Anti-inflammatory activity of diterpenes from <i>Croton stellatopilosus</i> on LPS-induced RAW264.7 cells. <i>Journal of Natural Medicines</i> , 2013, 67, 174-181.	1.1	27
13	Transcription Profiles Analysis of Genes Encoding 1-Deoxy-D-xylulose 5-Phosphate Synthase and 2C-Methyl-D-erythritol 4-Phosphate Synthase in Plaunotol Biosynthesis from <i>Croton stellatopilosus</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 852-856.	0.6	23
14	Biosynthesis of plaunotol in <i>Croton stellatopilosus</i> proceeds via the deoxyxylulose phosphate pathway. <i>Tetrahedron Letters</i> , 2005, 46, 2125-2128.	0.7	19
15	Biosynthesis of Isoprenoids. A Rapid Method for the Preparation of Isotope-Labeled 4-Diphosphocytidyl-2C-methyl-d-erythritol. <i>Journal of the American Chemical Society</i> , 2000, 122, 9571-9574.	6.6	18
16	Studies on the Non-Mevalonate Pathway $\hat{a}$ Preparation and Properties of Isotope-Labeled 2C-Methyl-D-erythritol 2,4-Cyclodiphosphate. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 3221.	1.2	17
17	Methyl jasmonate and yeast extract stimulate mitragynine production in <i>Mitragyna speciosa</i> (Roxb.) Korth. shoot culture. <i>Biotechnology Letters</i> , 2012, 34, 1945-1950.	1.1	17
18	4-Coumarate:coenzyme A ligase isoform 3 from <i>Piper nigrum</i> (Pn4CL3) catalyzes the CoA thioester formation of 3,4-methylenedioxycinnamic and piperic acids. <i>Biochemical Journal</i> , 2020, 477, 61-74.	1.7	16

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19	Stereochemical course of the reduction step in the formation of 2-C-methylerythritol from the terpene precursor 1-deoxyxylulose in higher plants. <i>Chemical Communications</i> , 1999, , 1127-1128.	2.2	15
20	<i>Mitragyna speciosa</i> : Hairy Root Culture for Triterpenoid Production and High Yield of Mitragynine by Regenerated Plants. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2008, 63, 691-698.	0.6	15
21	Development of an immunochromatographic strip incorporating anti-mitragynine monoclonal antibody conjugated to colloidal gold for kratom alkaloids detection. <i>Drug Testing and Analysis</i> , 2018, 10, 1168-1175.	1.6	15
22	Cloning and expression of 1-deoxy-d-xylulose 5-phosphate synthase cDNA from <i>Croton stellatopilosus</i> and expression of 2C-methyl-d-erythritol 4-phosphate synthase and geranylgeranyl diphosphate synthase, key enzymes of plaunotol biosynthesis. <i>Journal of Plant Physiology</i> , 2010, 167, 292-300.	1.6	13
23	Molecular cloning and functional characterization of three terpene synthases from unripe fruit of black pepper ( <i>Piper nigrum</i> ). <i>Archives of Biochemistry and Biophysics</i> , 2018, 638, 35-40.	1.4	13
24	Characterization of Aromatherapy Massage Oils Prepared from Virgin Coconut Oil and Some Essential Oils. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2010, 87, 93-107.	0.8	12
25	Preparation of a Monoclonal Antibody against Notoginsenoside R1, a Distinctive Saponin from <i>Panax notoginseng</i> , and Its Application to Indirect Competitive ELISA. <i>Planta Medica</i> , 2014, 80, 337-342.	0.7	11
26	Anti-mitragynine monoclonal antibody-based ELISA for determination of alkaloids in the kratom cocktail. <i>Forensic Toxicology</i> , 2017, 35, 167-172.	1.4	10
27	Effect of Feed Supplement Containing Dried Kratom Leaves on Apparent Digestibility, Rumen Fermentation, Serum Antioxidants, Hematology, and Nitrogen Balance in Goats. <i>Fermentation</i> , 2022, 8, 131.	1.4	9
28	Molecular cloning and expression of tryptophan decarboxylase from <i>Mitragyna speciosa</i> . <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2611-2621.	1.0	8
29	Ameliorative effects of alkaloid extract from <i>Mitragyna speciosa</i> (Korth.) Havil. Leaves on methamphetamine conditioned place preference in mice. <i>Journal of Ethnopharmacology</i> , 2022, 284, 114824.	2.0	7
30	Establishment of <i>Croton stellatopilosus</i> Suspension Culture for Geranylgeraniol Production and Diterpenoid Biosynthesis. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2007, 62, 389-396.	0.6	5
31	Limitation of Mitragynine Biosynthesis in <i>Mitragyna speciosa</i> (Roxb.) Korth. through Tryptamine Availability. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2013, 68, 394-405.	0.6	5
32	Statistical optimization of bambara groundnut protein isolate-alginate matrix systems on survival of encapsulated <i>Lactobacillus rhamnosus</i>. <i>AIMS Microbiology</i> , 2017, 3, 713-732.	1.0	3
33	Preparation, characterization, and antibacterial activity of plaunotol and plaunoi extracts complexed with hydroxypropyl- $\beta$ -cyclodextrin. <i>Saudi Pharmaceutical Journal</i> , 2022, 30, 679-692.	1.2	3
34	Effects of Supplementing Finishing Goats with <i>Mitragyna speciosa</i> (Korth) Havil Leaves Powder on Growth Performance, Hematological Parameters, Carcass Composition, and Meat Quality. <i>Animals</i> , 2022, 12, 1637.	1.0	3
35	Optimisation of bambara groundnut water extract and skim milk composition as cryoprotectant for increasing cell viability of <i>Lactobacillus</i> spp. using response surface methodology. <i>International Journal of Food Science and Technology</i> , 2016, 51, 2630-2639.	1.3	2
36	Terpenoid content and transcription profile analysis in callus and suspension cultures of <i>Croton stellatopilosus</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 2014, 23, 61-68.	0.9	1

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37	Preparation of diterpenes-enriched extract from <i>Croton stellatopilosus</i> ohba leaves using enzyme- and ultrasonic-assisted extraction. <i>Pharmacognosy Research</i> (discontinued), 2021, 13, 22.	0.3	1
38	Plaunol A from <i>Croton stellatopilosus</i> Inhibits Inducible Nitric Oxide Synthase and Cyclooxygenase-2 in Macrophage RAW264.7 Cells. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.2	0
39	Limitation of mitragynine biosynthesis in <i>Mitragyna speciosa</i> (Roxb.) Korth. through tryptamine availability. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2013, 68, 394-405.	0.6	0