

Natthida Weerapreeyakul

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,782
citations

331670

21
h-index

302126

39
g-index

65
all docs

65
docs citations

65
times ranked

2348
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Route of intracellular uptake and cytotoxicity of sesamol, sesamin, and sesamolin in human melanoma SK-MEL-2 cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112528. | 5.6 | 7 |
| 2 | Machine Learning and In Vitro Chemical Screening of Potential $\hat{\pm}$ -Amylase and $\hat{\pm}$ -Glucosidase Inhibitors from Thai Indigenous Plants. <i>Nutrients</i> , 2022, 14, 267. | 4.1 | 11 |
| 3 | Multiple Bioactivities of <i>Manihot esculenta</i> Leaves: UV Filter, Anti-Oxidation, Anti-Melanogenesis, Collagen Synthesis Enhancement, and Anti-Adipogenesis. <i>Molecules</i> , 2022, 27, 1556. | 3.8 | 10 |
| 4 | Dipterocarpol in Oleoresin of <i>Dipterocarpus alatus</i> Attributed to Cytotoxicity and Apoptosis-Inducing Effect. <i>Molecules</i> , 2022, 27, 3187. | 3.8 | 2 |
| 5 | <i>Pinus kesiya</i> Royle ex Gordon induces apoptotic cell death in hepatocellular carcinoma HepG2 cell via intrinsic pathway by PARP and Topoisomerase I suppression. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111628. | 5.6 | 7 |
| 6 | Chemopreventive Effect of <i>Cratogeomys formosum</i> (Jack) ssp. <i>pruniflorum</i> on Initial Stage Hepatocarcinogenesis in Rats. <i>Molecules</i> , 2021, 26, 4235. | 3.8 | 5 |
| 7 | An Insight into Sesamolin: Physicochemical Properties, Pharmacological Activities, and Future Research Prospects. <i>Molecules</i> , 2021, 26, 5849. | 3.8 | 19 |
| 8 | Protective Effect and Mechanism of Fruit Extract of <i>Aegle marmelos</i> Against Amyloid- β^2 Toxicity in a Transgenic <i>Caenorhabditis elegans</i> . <i>Natural Product Communications</i> , 2020, 15, 1934578X2093351. | 0.5 | 0 |
| 9 | Effect of Harvest Age on Total Phenolic, Total Anthocyanin Content, Bioactive Antioxidant Capacity and Antiproliferation of Black and White Glutinous Rice Sprouts. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7051. | 2.5 | 6 |
| 10 | FTIR Microspectroscopy for the Assessment of Mycoplasmas in HepG2 Cell Culture. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3766. | 2.5 | 9 |
| 11 | Evaluation of Melanoma (SK-MEL-2) Cell Growth between Three-Dimensional (3D) and Two-Dimensional (2D) Cell Cultures with Fourier Transform Infrared (FTIR) Microspectroscopy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4141. | 4.1 | 14 |
| 12 | Tyrosine- α -Chlorambucil Conjugates Facilitate Cellular Uptake through L-Type Amino Acid Transporter 1 (LAT1) in Human Breast Cancer Cell Line MCF-7. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2132. | 4.1 | 8 |
| 13 | Evaluation of Antioxidant Activity and Inhibition of Tyrosinase Activity of <i>Raphanus sativus</i> var. <i>caudatus</i> Alef Extract. <i>Walailak Journal of Science and Technology</i> , 2020, 17, 838-850. | 0.5 | 4 |
| 14 | Anticancer Activity of <i>Lindernia crustacea</i> (L.) F. Muell. var. <i>Crustacea</i> on Human HCT116 Colon Cancer Cell via Cellular Lipid and β -sheet Protein Accumulation. <i>Walailak Journal of Science and Technology</i> , 2020, 17, 1211-1220. | 0.5 | 0 |
| 15 | Validation of Cell-Based Assay for Quantification of Sesamol Uptake and Its Application for Measuring Target Exposure. <i>Molecules</i> , 2019, 24, 3522. | 3.8 | 6 |
| 16 | Role of L-Type Amino Acid Transporter 1 (LAT1) for the Selective Cytotoxicity of Sesamol in Human Melanoma Cells. <i>Molecules</i> , 2019, 24, 3869. | 3.8 | 7 |
| 17 | Chemical Composition, Antioxidant and Cytotoxicity Activities of Leaves, Bark, Twigs and Oleo-Resin of <i>Dipterocarpus alatus</i> . <i>Molecules</i> , 2019, 24, 3083. | 3.8 | 19 |
| 18 | A Bioreductive Prodrug of Cucurbitacin B Significantly Inhibits Tumor Growth in the 4T1 Xenograft Mice Model. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1400-1406. | 2.8 | 13 |

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|----|---|-----|-----------|
| 19 | Cytotoxicity and Apoptosis Induction of Coumarins and Carbazole Alkaloids from <i>Clausena harmandiana</i> . <i>Molecules</i> , 2019, 24, 3385. | 3.8 | 27 |
| 20 | Harvest Age Effect on Phytochemical Content of White and Black Glutinous Rice Cultivars. <i>Molecules</i> , 2019, 24, 4432. | 3.8 | 13 |
| 21 | Alyssin and Iberin in Cruciferous Vegetables Exert Anticancer Activity in HepG2 by Increasing Intracellular Reactive Oxygen Species and Tubulin Depolymerization. <i>Biomolecules and Therapeutics</i> , 2019, 27, 540-552. | 2.4 | 20 |
| 22 | Antibacterial activity and bioactive compounds of 50% hydroethanolic extract of <i>Alpinia zerumbet</i> (Pers.) B.L. Burt & R.M. Sm.. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2019, 9, 204. | 1.2 | 6 |
| 23 | <i>Cratogeomys formosus</i> ssp. <i>pruniflorum</i> activates the TRAIL death receptor complex and inhibits topoisomerase I. <i>South African Journal of Botany</i> , 2018, 114, 150-162. | 2.5 | 10 |
| 24 | Structures of isothiocyanates attributed to reactive oxygen species generation and microtubule depolymerization in HepG2 cells. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 698-709. | 5.6 | 21 |
| 25 | Sesamin and sesamol reduce amyloid- β toxicity in a transgenic <i>Caenorhabditis elegans</i> . <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 656-664. | 5.6 | 42 |
| 26 | Biomolecular changes and DNA targeting effect of sesamol in human lung adenocarcinoma (SK-LU-1) cells by FTIR microscopy. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2018, 8, 377. | 1.2 | 10 |
| 27 | Effects of jujube fruit extract on peripheral blood mononuclear cell proliferation, cytokine productions and intracellular hydrogen peroxide level. <i>Walailak Journal of Science and Technology</i> , 2018, 15, 561-568. | 0.5 | 1 |
| 28 | Investigation of Anticancer Activity of <i>Lindernia crustacea</i> (L.) F. Muell. var. <i>Crustacea</i> . <i>Walailak Journal of Science and Technology</i> , 2018, 16, 307-317. | 0.5 | 2 |
| 29 | Partial least squares regression and fourier transform infrared (FTIR) microspectroscopy for prediction of resistance in hepatocellular carcinoma HepG2 cells. <i>Experimental Cell Research</i> , 2017, 351, 82-90. | 2.6 | 13 |
| 30 | High-accuracy mass spectrometry for identification of sulphur-containing bioactive constituents and flavonoids in extracts of <i>Raphanus sativus</i> var. <i>caudatus</i> Alef (Thai rat-tailed radish). <i>Journal of Functional Foods</i> , 2017, 31, 237-247. | 3.4 | 11 |
| 31 | Sulforaphene in <i>Raphanus sativus</i> L. var. <i>caudatus</i> Alef increased in late-bolting stage as well as anticancer activity. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2017, 7, 998-1004. | 1.2 | 12 |
| 32 | Inhibition of two stages of melanin synthesis by sesamol, sesamin and sesamol. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2017, 7, 886-895. | 1.2 | 27 |
| 33 | Sulforaphene and sulforaphane in commonly consumed cruciferous plants contributed to antiproliferation in HCT116 colon cancer cells. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2016, 6, 119-124. | 1.2 | 20 |
| 34 | Induction of apoptosis in human hepatocellular carcinoma cells by extracts of <i>Lannea coromandelica</i> (Houtt.) Merr. and <i>Diospyros castanea</i> (Craib) Fletcher. <i>Chinese Medicine</i> , 2016, 11, 19. | 4.0 | 15 |
| 35 | Synergistic effects of melphalan and <i>Pinus kesiya</i> Royle ex Gordon (Simaosong) extracts on apoptosis induction in human cancer cells. <i>Chinese Medicine</i> , 2016, 11, 29. | 4.0 | 9 |
| 36 | Apoptosis-inducing effects of jujube (<i>Zizyphus</i>) seed extracts on human Jurkat leukemia T cells. <i>Chinese Medicine</i> , 2016, 11, 15. | 4.0 | 12 |

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|----|--|-----|-----------|
| 37 | Sesamol induces mitochondrial apoptosis pathway in HCT116 human colon cancer cells via pro-oxidant effect. <i>Life Sciences</i> , 2016, 158, 46-56. | 4.3 | 48 |
| 38 | Sesamol induced apoptotic effect in lung adenocarcinoma cells through both intrinsic and extrinsic pathways. <i>Chemico-Biological Interactions</i> , 2016, 254, 109-116. | 4.0 | 37 |
| 39 | Simultaneous quantification of sulforaphene and sulforaphane by reverse phase HPLC and their content in <i>Raphanus sativus</i> L. var. <i>caudatus</i> Alef extracts. <i>Food Chemistry</i> , 2016, 201, 139-144. | 8.2 | 28 |
| 40 | FTIR microspectroscopy defines early drug resistant human hepatocellular carcinoma (HepG2) cells. <i>Experimental Cell Research</i> , 2016, 340, 71-80. | 2.6 | 22 |
| 41 | <i>Cratogeomys formosus</i> Extract Protects against Amyloid-Beta Toxicity in a <i>Caenorhabditis elegans</i> Model of Alzheimer's Disease. <i>Planta Medica</i> , 2016, 82, 516-523. | 1.3 | 16 |
| 42 | Melatonin potentiates cisplatin-induced apoptosis and cell cycle arrest in human lung adenocarcinoma cells. <i>Cell Proliferation</i> , 2015, 48, 67-77. | 5.3 | 86 |
| 43 | Bioactive compounds and health implications are better for green jujube fruit than for ripe fruit. <i>Journal of Functional Foods</i> , 2015, 12, 246-255. | 3.4 | 42 |
| 44 | Immunomodulatory effect of melatonin in SKLU-1 human lung adenocarcinoma cells co-cultured with peripheral blood mononuclear cells. <i>Cell Proliferation</i> , 2014, 47, 406-415. | 5.3 | 25 |
| 45 | Application of FTIR microspectroscopy for characterization of biomolecular changes in human melanoma cells treated by sesamol and kojic acid. <i>Journal of Dermatological Science</i> , 2014, 73, 241-250. | 1.9 | 20 |
| 46 | Melatonin induces apoptosis through biomolecular changes, in SKLU-1 human lung adenocarcinoma cells. <i>Cell Proliferation</i> , 2014, 47, 564-577. | 5.3 | 27 |
| 47 | <i>Cratogeomys formosus</i> (Jack) Dyer ssp. <i>pruniflorum</i> (Kurz) Gogel. (10^{-3} ng μM^{-1}) extract induces apoptosis in human hepatocellular carcinoma HepG2 cells through caspase-dependent pathways. <i>Chinese Medicine</i> , 2014, 9, 12. | 4.0 | 19 |
| 48 | Antioxidant, antimelanogenic, and skin-protective effect of sesamol. <i>Journal of Cosmetic Science</i> , 2014, 65, 69-79. | 0.1 | 14 |
| 49 | Cancer preventive effect of Thai rat-tailed radish (<i>Raphanus sativus</i> L. var. <i>caudatus</i> Alef). <i>Journal of Functional Foods</i> , 2013, 5, 1372-1381. | 3.4 | 39 |
| 50 | Apoptosis Induction Effect of Three Jujube Cultivars in HepG2 and Jurkat Cell Lines. <i>International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB)</i> , 2013, , 540-544. | 0.2 | 3 |
| 51 | Anticancer effect of the extracts from <i>Polyalthia evecta</i> against human hepatoma cell line (HepG2). <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, 368-374. | 1.2 | 35 |
| 52 | Synergistic anticancer effect of the extracts from <i>Polyalthia evecta</i> caused apoptosis in human hepatoma (HepG2) cells. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, 589-596. | 1.2 | 34 |
| 53 | FTIR microspectroscopy discriminates anticancer action on human leukemic cells by extracts of <i>Pinus kesiya</i> ; <i>Cratogeomys formosus</i> ssp. <i>pruniflorum</i> and melphalan. <i>Talanta</i> , 2012, 93, 371-382. | 5.5 | 48 |
| 54 | Evaluation of the anticancer potential of six herbs against a hepatoma cell line. <i>Chinese Medicine</i> , 2012, 7, 15. | 4.0 | 89 |

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|----|--|-----|-----------|
| 55 | Antihypertensive and antioxidant effects of dietary black sesame meal in pre-hypertensive humans. <i>Nutrition Journal</i> , 2011, 10, 82. | 3.4 | 50 |
| 56 | Cytotoxic and apoptotic effects of six herbal plants against the human hepatocarcinoma (HepG2) cell line. <i>Chinese Medicine</i> , 2011, 6, 39. | 4.0 | 106 |
| 57 | Phenolic compounds and antioxidant activities of edible flowers from Thailand. <i>Journal of Functional Foods</i> , 2011, 3, 88-99. | 3.4 | 209 |
| 58 | Anticancer Activity of the Bioreductive and Non-Bioreductive Zerumbone Derivatives. <i>Letters in Drug Design and Discovery</i> , 2011, 8, 536-543. | 0.7 | 10 |
| 59 | Changes in Phenolic Acids and Antioxidant Activity in Thai Rice Husk at Five Growth Stages during Grain Development. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4566-4571. | 5.2 | 76 |
| 60 | Cytotoxic activity screening of some indigenous Thai plants. <i>FITOTERAPIA</i> , 2008, 79, 598-601. | 2.2 | 211 |
| 61 | Synthesis of Bioreductive Esters from Fungal Compounds. <i>Chemical and Pharmaceutical Bulletin</i> , 2007, 55, 930-935. | 1.3 | 17 |
| 62 | Title is missing!. <i>ScienceAsia</i> , 2007, 33, 113. | 0.5 | 8 |
| 63 | Biocompatible Nanotemplate-Engineered Nanoparticles Containing Gadolinium: Stability and Relaxivity of a Potential MRI Contrast Agent. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 996-1003. | 0.9 | 24 |
| 64 | Targeted drug delivery systems 6: Intracellular bioreductive activation, uptake and transport of an anticancer drug delivery system across intestinal Caco-2 cell monolayers. <i>International Journal of Pharmaceutics</i> , 2001, 219, 1-10. | 5.2 | 12 |
| 65 | Stability of bioreductive drug delivery systems containing melphalan is influenced by conformational constraint and electronic properties of substituents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 2391-2395. | 2.2 | 9 |