Natthida Weerapreeyakul

List of Publications by Year
in descending order

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	Cytotoxic activity screening of some indigenous Thai plants. FÃ¬toterapÃ¬Ã¢, 2008, 79, 598-601.	2.2	211
2	Phenolic compounds and antioxidant activities of edible flowers from Thailand. Journal of Functional Foods, 2011, 3, 88-99.	3.4	209
3	Cytotoxic and apoptotic effects of six herbal plants against the human hepatocarcinoma (HepG2) cell line. Chinese Medicine, 2011, 6, 39.	4.0	106
4	Evaluation of the anticancer potential of six herbs against a hepatoma cell line. Chinese Medicine, 2012, 7, 15.	4.0	89
5	Melatonin potentiates cisplatinâ€induced apoptosis and cell cycle arrest in human lung adenocarcinoma cells. Cell Proliferation, 2015, 48, 67-77.	5.3	86
6	Changes in Phenolic Acids and Antioxidant Activity in Thai Rice Husk at Five Growth Stages during Grain Development. Journal of Agricultural and Food Chemistry, 2009, 57, 4566-4571.	5.2	76
7	Antihypertensive and antioxidant effects of dietary black sesame meal in pre-hypertensive humans. Nutrition Journal, 2011, 10, 82.	3.4	50
8	FTIR microspectroscopy discriminates anticancer action on human leukemic cells by extracts of Pinus kesiya; Cratoxylum formosum ssp. pruniflorum and melphalan. Talanta, 2012, 93, 371-382.	5.5	48
9	Sesamol induces mitochondrial apoptosis pathway in HCT116 human colon cancer cells via pro-oxidant effect. Life Sciences, 2016, 158, 46-56.	4.3	48
10	Bioactive compounds and health implications are better for green jujube fruit than for ripe fruit. Journal of Functional Foods, 2015, 12, 246-255.	3.4	42
11	Sesamin and sesamolin reduce amyloid-Î² toxicity in a transgenic Caenorhabditis elegans. Biomedicine and Pharmacotherapy, 2018, 107, 656-664.	5.6	42
12	Cancer preventive effect of Thai rat-tailed radish (Raphanus sativus L. var. caudatus Alef). Journal of Functional Foods, 2013, 5, 1372-1381.	3.4	39
13	Sesamol induced apoptotic effect in lung adenocarcinoma cells through both intrinsic and extrinsic pathways. Chemico-Biological Interactions, 2016, 254, 109-116.	4.0	37
14	Anticancer effect of the extracts from Polyalthia evecta against human hepatoma cell line (HepG2). Asian Pacific Journal of Tropical Biomedicine, 2012, 2, 368-374.	1.2	35
15	Synergistic anticancer effect of the extracts from Polyalthia evecta caused apoptosis in human hepatoma (HepG2) cells. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, 589-596.	1.2	34
16	Simultaneous quantification of sulforaphene and sulforaphane by reverse phase HPLC and their content in Raphanus sativus L. var. caudatus Alef extracts. Food Chemistry, 2016, 201, 139-144.	8.2	28
17	Melatonin induces apoptosis through biomolecular changes, in SKâ€LUâ€1 human lung adenocarcinoma cells. Cell Proliferation, 2014, 47, 564-577.	5.3	27
18	Inhibition of two stages of melanin synthesis by sesamol, sesamin and sesamolin. Asian Pacific Journal of Tropical Biomedicine, 2017, 7, 886-895.	1.2	27

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19	Cytotoxicity and Apoptosis Induction of Coumarins and Carbazole Alkaloids from Clausena harmandiana. Molecules, 2019, 24, 3385.	3.8	27
20	Immunomodulatory effect of melatonin in <scp>SK</scp>â€<scp>LU</scp>â€1 human lung adenocarcinoma cells coâ€cultured with peripheral blood mononuclear cells. Cell Proliferation, 2014, 47, 406-415.	5.3	25
21	Biocompatible Nanotemplate-Engineered Nanoparticles Containing Gadolinium: Stability and Relaxivity of a Potential MRI Contrast Agent. Journal of Nanoscience and Nanotechnology, 2006, 6, 996-1003.	0.9	24
22	FTIR microspectroscopy defines early drug resistant human hepatocellular carcinoma (HepG2) cells. Experimental Cell Research, 2016, 340, 71-80.	2.6	22
23	Structures of isothiocyanates attributed to reactive oxygen species generation and microtubule depolymerization in HepG2 cells. Biomedicine and Pharmacotherapy, 2018, 101, 698-709.	5.6	21
24	Application of FTIR microspectroscopy for characterization of biomolecular changes in human melanoma cells treated by sesamol and kojic acid. Journal of Dermatological Science, 2014, 73, 241-250.	1.9	20
25	Sulforaphene and sulforaphane in commonly consumed cruciferous plants contributed to antiproliferation in HCT116 colon cancer cells. Asian Pacific Journal of Tropical Biomedicine, 2016, 6, 119-124.	1.2	20
26	Alyssin and Iberin in Cruciferous Vegetables Exert Anticancer Activity in HepG2 by Increasing Intracellular Reactive Oxygen Species and Tubulin Depolymerization. Biomolecules and Therapeutics, 2019, 27, 540-552.	2.4	20
27	Cratoxylum formosum (Jack) Dyer ssp. pruniflorum (Kurz) Gogel. (HÃ³ng yÃ¡ mÃ¹) extract induces apoptosis in human hepatocellular carcinoma HepG2 cells through caspase-dependent pathways. Chinese Medicine, 2014, 9, 12.	4.0	19
28	Chemical Composition, Antioxidant and Cytotoxicity Activities of Leaves, Bark, Twigs and Oleo-Resin of Dipterocarpus alatus. Molecules, 2019, 24, 3083.	3.8	19
29	An Insight into Sesamolin: Physicochemical Properties, Pharmacological Activities, and Future Research Prospects. Molecules, 2021, 26, 5849.	3.8	19
30	Synthesis of Bioreductive Esters from Fungal Compounds. Chemical and Pharmaceutical Bulletin, 2007, 55, 930-935.	1.3	17
31	Cratoxylum formosum Extract Protects against Amyloid-Beta Toxicity in a Caenorhabditis elegans Model of AlzheimerÊ¼s Disease. Planta Medica, 2016, 82, 516-523.	1.3	16
32	Induction of apoptosis in human hepatocellular carcinoma cells by extracts of Lannea coromandelica (Houtt.) Merr. and Diospyros castanea (Craib) Fletcher. Chinese Medicine, 2016, 11, 19.	4.0	15
33	Evaluation of Melanoma (SK-MEL-2) Cell Growth between Three-Dimensional (3D) and Two-Dimensional (2D) Cell Cultures with Fourier Transform Infrared (FTIR) Microspectroscopy. International Journal of Molecular Sciences, 2020, 21, 4141.	4.1	14
34	Antioxidant, antimelanogenic, and skin-protective effect of sesamol. Journal of Cosmetic Science, 2014, 65, 69-79.	0.1	14
35	Partial least squares regression and fourier transform infrared (FTIR) microspectroscopy for prediction of resistance in hepatocellular carcinoma HepG2 cells. Experimental Cell Research, 2017, 351, 82-90.	2.6	13
36	A Bioreductive Prodrug of Cucurbitacin B Significantly Inhibits Tumor Growth in the 4T1 Xenograft Mice Model. ACS Medicinal Chemistry Letters, 2019, 10, 1400-1406.	2.8	13

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37	Harvest Age Effect on Phytochemical Content of White and Black Glutinous Rice Cultivars. Molecules, 2019, 24, 4432.	3.8	13
38	Targeted drug delivery systems 6: Intracellular bioreductive activation, uptake and transport of an anticancer drug delivery system across intestinal Caco-2 cell monolayers. International Journal of Pharmaceutics, 2001, 219, 1-10.	5.2	12
39	Apoptosis-inducing effects of jujube (ZÇŽo) seed extracts on human Jurkat leukemia T cells. Chinese Medicine, 2016, 11, 15.	4.0	12
40	Sulforaphene in Raphanus sativus L. var. caudatus Alef increased in late-bolting stage as well as anticancer activity. Asian Pacific Journal of Tropical Biomedicine, 2017, 7, 998-1004.	1.2	12
41	High-accuracy mass spectrometry for identification of sulphur-containing bioactive constituents and flavonoids in extracts of Raphanus sativus var. caudatus Alef (Thai rat-tailed radish). Journal of Functional Foods, 2017, 31, 237-247.	3.4	11
42	Machine Learning and In Vitro Chemical Screening of Potential Î±-Amylase and Î±-Glucosidase Inhibitors from Thai Indigenous Plants. Nutrients, 2022, 14, 267.	4.1	11
43	Cratoxylum formosum ssp. pruniflorum activates the TRAIL death receptor complex and inhibits topoisomerase I. South African Journal of Botany, 2018, 114, 150-162.	2.5	10
44	Anticancer Activity of the Bioreductive and Non-Bioreductive Zerumbone Derivatives. Letters in Drug Design and Discovery, 2011, 8, 536-543.	0.7	10
45	Biomolecular changes and DNA targeting effect of sesamol in human lung adenocarcinoma (SK-LU-1) cells by FTIR microscopy. Asian Pacific Journal of Tropical Biomedicine, 2018, 8, 377.	1.2	10
46	Multiple Bioactivities of Manihot esculenta Leaves: UV Filter, Anti-Oxidation, Anti-Melanogenesis, Collagen Synthesis Enhancement, and Anti-Adipogenesis. Molecules, 2022, 27, 1556.	3.8	10
47	Stability of bioreductive drug delivery systems containing melphalan is influenced by conformational constraint and electronic properties of substituents. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 2391-2395.	2.2	9
48	Synergistic effects of melphalan and Pinus kesiya Royle ex Gordon (Simaosong) extracts on apoptosis induction in human cancer cells. Chinese Medicine, 2016, 11, 29.	4.0	9
49	FTIR Microspectroscopy for the Assessment of Mycoplasmas in HepG2 Cell Culture. Applied Sciences (Switzerland), 2020, 10, 3766.	2.5	9
50	Tyrosineâ€“Chlorambucil Conjugates Facilitate Cellular Uptake through L-Type Amino Acid Transporter 1 (LAT1) in Human Breast Cancer Cell Line MCF-7. International Journal of Molecular Sciences, 2020, 21, 2132.	4.1	8
51	Title is missing!. ScienceAsia, 2007, 33, 113.	0.5	8
52	Role of L-Type Amino Acid Transporter 1 (LAT1) for the Selective Cytotoxicity of Sesamol in Human Melanoma Cells. Molecules, 2019, 24, 3869.	3.8	7
53	Pinus kesiya Royle ex Gordon induces apoptotic cell death in hepatocellular carcinoma HepG2 cell via intrinsic pathway by PARP and Topoisomerase I suppression. Biomedicine and Pharmacotherapy, 2021, 139, 111628.	5.6	7
54	Route of intracellular uptake and cytotoxicity of sesamol, sesamin, and sesamolin in human melanoma SK-MEL-2 cells. Biomedicine and Pharmacotherapy, 2022, 146, 112528.	5.6	7

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55	Validation of Cell-Based Assay for Quantification of Sesamol Uptake and Its Application for Measuring Target Exposure. Molecules, 2019, 24, 3522.	3.8	6
56	Effect of Harvest Age on Total Phenolic, Total Anthocyanin Content, Bioactive Antioxidant Capacity and Antiproliferation of Black and White Glutinous Rice Sprouts. Applied Sciences (Switzerland), 2020, 10, 7051.	2.5	6
57	Antibacterial activity and bioactive compounds of 50% hydroethanolic extract of Alpinia zerumbet (Pers.) B.L. Burtt & R.M. Sm.. Asian Pacific Journal of Tropical Biomedicine, 2019, 9, 204.	1.2	6
58	Chemopreventive Effect of Cratoxylum formosum (Jack) ssp. pruniflorum on Initial Stage Hepatocarcinogenesis in Rats. Molecules, 2021, 26, 4235.	3.8	5
59	Evaluation of Antioxidant Activity and Inhibition of Tyrosinase Activity of Raphanus sativus var. caudatus Alef Extract. Walailak Journal of Science and Technology, 2020, 17, 838-850.	0.5	4
60	Apoptosis Induction Effect of Three Jujube Cultivars in HepG2 and Jurkat Cell Lines. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2013, , 540-544.	0.2	3
61	Investigation of Anticancer Activity of Lindernia crustacea (L.) F. Muell. var. Crustacean. Walailak Journal of Science and Technology, 2018, 16, 307-317.	0.5	2
62	Dipterocarpol in Oleoresin of Dipterocarpus alatus Attributed to Cytotoxicity and Apoptosis-Inducing Effect. Molecules, 2022, 27, 3187.	3.8	2
63	Effects of jujube fruit extract on peripheral blood mononuclear cell proliferation, cytokine productions and intracellular hydrogen peroxide level. Walailak Journal of Science and Technology, 2018, 15, 561-568.	0.5	1
64	Protective Effect and Mechanism of Fruit Extract of Aegle marmelos Against Amyloid-Î² Toxicity in a Transgenic Caenorhabditis elegans. Natural Product Communications, 2020, 15, 1934578X2093351.	0.5	0
65	Anticancer Activity of Lindernia crustacea (L.) F. Muell. var. Crustacean on Human HCT116 Colon Cancer Cell via Cellular Lipid and Î²-sheet Protein Accumulation. Walailak Journal of Science and Technology, 2020, 17, 1211-1220.	0.5	0