

# Pornngarm Limtrakul

## List of Publications by Year in descending order

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99  
papers

4,564  
citations

126907

33  
h-index

106344

65  
g-index

101  
all docs

101  
docs citations

101  
times ranked

5330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Curcumin, demethoxycurcumin, bisdemethoxycurcumin, tetrahydrocurcumin and turmerones differentially regulate anti-inflammatory and anti-proliferative responses through a ROS-independent mechanism. <i>Carcinogenesis</i> , 2007, 28, 1765-1773.	2.8	552
2	Modulation of P-glycoprotein expression and function by curcumin in multidrug-resistant human KB cells. <i>Biochemical Pharmacology</i> , 2002, 64, 573-582.	4.4	274
3	Biochemical mechanism of modulation of human P-glycoprotein (ABCB1) by curcumin I, II, and III purified from Turmeric powder. <i>Biochemical Pharmacology</i> , 2004, 68, 2043-2052.	4.4	212
4	Modulation of function of three ABC drug transporters, P-glycoprotein (ABCB1), mitoxantrone resistance protein (ABCG2) and multidrug resistance protein 1 (ABCC1) by tetrahydrocurcumin, a major metabolite of curcumin. <i>Molecular and Cellular Biochemistry</i> , 2007, 296, 85-95.	3.1	202
5	Inhibition of P-Glycoprotein Function and Expression by Kaempferol and Quercetin. <i>Journal of Chemotherapy</i> , 2005, 17, 86-95.	1.5	174
6	Inhibitory effect of dietary curcumin on skin carcinogenesis in mice. <i>Cancer Letters</i> , 1997, 116, 197-203.	7.2	163
7	Curcumin, demethoxycurcumin and bisdemethoxycurcumin differentially inhibit cancer cell invasion through the down-regulation of MMPs and uPA. <i>Journal of Nutritional Biochemistry</i> , 2009, 20, 87-95.	4.2	163
8	Zerumbone Enhances TRAIL-Induced Apoptosis through the Induction of Death Receptors in Human Colon Cancer Cells: Evidence for an Essential Role of Reactive Oxygen Species. <i>Cancer Research</i> , 2009, 69, 6581-6589.	0.9	159
9	Modulation of the function of the multidrug resistance-linked ATP-binding cassette transporter ABCG2 by the cancer chemopreventive agent curcumin. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 1995-2006.	4.1	116
10	Modulation of human multidrug-resistance MDR-1 gene by natural curcuminoids. <i>BMC Cancer</i> , 2004, 4, 13.	2.6	111
11	Enhancement of cellular uptake and cytotoxicity of curcumin-loaded PLGA nanoparticles by conjugation with anti-P-glycoprotein in drug resistance cancer cells. <i>Acta Pharmacologica Sinica</i> , 2012, 33, 823-831.	6.1	101
12	Curcuminoids purified from turmeric powder modulate the function of human multidrug resistance protein 1 (ABCC1). <i>Cancer Chemotherapy and Pharmacology</i> , 2006, 57, 376-388.	2.3	100
13	Demethoxycurcumin suppresses migration and invasion of MDA-MB-231 human breast cancer cell line. <i>European Journal of Pharmacology</i> , 2010, 627, 8-15.	3.5	93
14	Suppression of Inflammatory Responses by Black Rice Extract in RAW 264.7 Macrophage Cells via Downregulation of NF- $\kappa$ B and AP-1 Signaling Pathways. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 4277-4283.	1.2	83
15	Inhibition of MMP-3 activity and invasion of the MDA-MB-231 human invasive breast carcinoma cell line by bioflavonoids. <i>Acta Pharmacologica Sinica</i> , 2009, 30, 1169-1176.	6.1	80
16	Inhibition of carcinogen induced c-Ha-ras and c-fos proto-oncogenes expression by dietary curcumin. <i>BMC Cancer</i> , 2001, 1, 1.	2.6	75
17	Anti-inflammatory effects of proanthocyanidin-rich red rice extract via suppression of MAPK, AP-1 and NF- $\kappa$ B pathways in Raw 264.7 macrophages. <i>Nutrition Research and Practice</i> , 2016, 10, 251.	1.9	73
18	Inhibition of P-glycoprotein activity and reversal of cancer multidrug resistance by <i>Momordica charantia</i> extract. <i>Cancer Chemotherapy and Pharmacology</i> , 2004, 54, 525-530.	2.3	69

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19	Induction of G1 arrest and apoptosis in androgen-dependent human prostate cancer by Kuguacin J, a triterpenoid from <i>Momordica charantia</i> leaf. <i>Cancer Letters</i> , 2011, 306, 142-150.	7.2	68
20	<i>Momordica charantia</i> leaf extract suppresses rat prostate cancer progression <i>in vitro</i> and <i>in vivo</i> . <i>Cancer Science</i> , 2010, 101, 2234-2240.	3.9	66
21	Ellagic Acid Inhibits Migration and Invasion by Prostate Cancer Cell Lines. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 2859-2863.	1.2	64
22	Inhibitory effect of curcumin onMDR1 gene expression in patient leukemic cells. <i>Archives of Pharmacal Research</i> , 2006, 29, 866-873.	6.3	58
23	CURCUMIN AS CHEMOSENSITIZER. <i>Advances in Experimental Medicine and Biology</i> , 2007, 595, 269-300.	1.6	58
24	Effect of pure curcumin, demethoxycurcumin, and bisdemethoxycurcumin on WT1 gene expression in leukemic cell lines. <i>Cancer Chemotherapy and Pharmacology</i> , 2008, 62, 585-594.	2.3	58
25	Tetrahydrocurcumin inhibits HT1080 cell migration and invasion via downregulation of MMPs and uPA1. <i>Acta Pharmacologica Sinica</i> , 2008, 29, 853-860.	6.1	53
26	Stemona alkaloids, from traditional Thai medicine, increase chemosensitivity via P-glycoprotein-mediated multidrug resistance. <i>Phytomedicine</i> , 2011, 18, 199-204.	5.3	51
27	Antiinflammatory Activities of Crebanine by Inhibition of NF- $\kappa$ B and AP-1 Activation through Suppressing MAPKs and Akt Signaling in LPS-Induced RAW264.7 Macrophages. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 54-61.	1.4	49
28	The inhibitory effect of turmeric curcuminoids on matrix metalloproteinase-3 secretion in human invasive breast carcinoma cells. <i>Archives of Pharmacal Research</i> , 2010, 33, 989-998.	6.3	45
29	Anti-aging and tyrosinase inhibition effects of <i>Cassia fistula</i> flower butanolic extract. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 497.	3.7	40
30	Inhibitory effect of curcumin onWT1 gene expression in patient leukemic cells. <i>Archives of Pharmacal Research</i> , 2006, 29, 80-87.	6.3	39
31	Kuguacin J isolated from <i>Momordica charantia</i> leaves inhibits P-glycoprotein (ABCB1)-mediated multidrug resistance. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 76-84.	4.2	38
32	Proanthocyanidin in Red Rice Inhibits MDA-MB-231 Breast Cancer Cell Invasion & via the Expression Control of Invasive Proteins. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 571-581.	1.4	38
33	Effect of <i>Stemona curtisii</i> root extract on P-glycoprotein and MRP-1 function in multidrug-resistant cancer cells. <i>Phytomedicine</i> , 2007, 14, 381-389.	5.3	37
34	Kuguacin J, a triterpenoid from <i>Momordica charantia</i> leaf, modulates the progression of androgen-independent human prostate cancer cell line, PC3. <i>Food and Chemical Toxicology</i> , 2012, 50, 840-847.	3.6	35
35	Anti-invasive Activity against Cancer Cells of Phytochemicals in Red Jasmine Rice ( <i>Oryza sativa</i> L.). <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 4601-4607.	1.2	35
36	Curcumin inhibits WT1 gene expression in human leukemic K562 cells1. <i>Acta Pharmacologica Sinica</i> , 2006, 27, 360-366.	6.1	34

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37	Chemosensitizing effects of synthetic curcumin analogs on human multi-drug resistance leukemic cells. <i>Chemico-Biological Interactions</i> , 2016, 244, 140-148.	4.0	32
38	Skin Wound-Healing Potential of Polysaccharides from Medicinal Mushroom <i>Auricularia auricula-judae</i> (Bull.). <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 247.	3.5	29
39	Biochemical Mechanism of Modulation of Human P-glycoprotein by Stemofoline. <i>Planta Medica</i> , 2011, 77, 1990-1995.	1.3	28
40	The Proanthocyanidin-Rich Fraction Obtained from Red Rice Germ and Bran Extract Induces HepG2 Hepatocellular Carcinoma Cell Apoptosis. <i>Molecules</i> , 2019, 24, 813.	3.8	28
41	Curcumin-loaded PLGA Nanoparticles Conjugated with Anti-P-glycoprotein Antibody to Overcome Multidrug Resistance. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 9249-9258.	1.2	28
42	In-house direct cELISA for determining aflatoxin B 1 in Thai corn and peanuts. <i>Food Additives and Contaminants</i> , 2003, 20, 838-845.	2.0	27
43	Modulation of P-glycoprotein by <i>Stemona</i> alkaloids in human multidrug resistance leukemic cells and structural relationships. <i>Phytomedicine</i> , 2017, 34, 182-190.	5.3	27
44	&lt;i>O</i>-Methylbulbocapnine and Dicentrine Suppress LPS-Induced Inflammatory Response by Blocking NF- $\kappa$ B and AP-1 Activation through Inhibiting MAPKs and Akt Signaling in RAW264.7 Macrophages. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 1219-1227.	1.4	27
45	Anti-P-glycoprotein conjugated nanoparticles for targeting drug delivery in cancer treatment. <i>Archives of Pharmacal Research</i> , 2011, 34, 1679-1689.	6.3	25
46	Dihydroxypentamethoxyflavone Down-Regulates Constitutive and Inducible Signal Transducers and Activators of Transcription-3 through the Induction of Tyrosine Phosphatase SHP-1. <i>Molecular Pharmacology</i> , 2011, 80, 889-899.	2.3	25
47	Cyclohexanone curcumin analogs inhibit the progression of castration-resistant prostate cancer in <i>in vitro</i> and <i>in vivo</i> . <i>Cancer Science</i> , 2019, 110, 596-607.	3.9	25
48	Photochemoprotective effects of <i>Spirulina platensis</i> extract against UVB irradiated human skin fibroblasts. <i>South African Journal of Botany</i> , 2020, 130, 198-207.	2.5	24
49	Anti-invasion Effect of Crebanine and &lt;i>O</i>-Methylbulbocapnine from &lt;i>Stephania venosa</i> &lt;i>via</i> Down-Regulated Matrix Metalloproteinases and Urokinase Plasminogen Activator. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 1156-1165.	1.3	23
50	Protective Effects of Defatted Sticky Rice Bran Extracts on the Early Stages of Hepatocarcinogenesis in Rats. <i>Molecules</i> , 2019, 24, 2142.	3.8	23
51	Inhibitory Effect of a Rosmarinic Acid-Enriched Fraction Prepared from Nga-Mon ( <i>Perilla frutescens</i> ) Seed Meal on Osteoclastogenesis through the RANK Signaling Pathway. <i>Antioxidants</i> , 2021, 10, 307.	5.1	22
52	Chemopreventive effect of fermented brown rice and rice bran (FBRA) on the inflammation-related colorectal carcinogenesis in <i>ApcMin/+</i> mice. <i>Oncology Reports</i> , 2009, 23, .	2.6	21
53	Dicentrine Potentiates TNF- $\alpha$ -Induced Apoptosis and Suppresses Invasion of A549 Lung Adenocarcinoma Cells via Modulation of NF- $\kappa$ B and AP-1 Activation. <i>Molecules</i> , 2019, 24, 4100.	3.8	21
54	Photoprotective Effects of a Hyperoside-Enriched Fraction Prepared from <i>Houttuynia cordata</i> Thunb. on Ultraviolet B-Induced Skin Aging in Human Fibroblasts through the MAPK Signaling Pathway. <i>Plants</i> , 2021, 10, 2628.	3.5	21

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55	Crebanine, an aporphine alkaloid, sensitizes TNF- $\alpha$ -induced apoptosis and suppressed invasion of human lung adenocarcinoma cells A549 by blocking NF- $\kappa$ B-regulated gene products. <i>Tumor Biology</i> , 2014, 35, 8615-8624.	1.8	20
56	The Association between Frailty Indicators and Blood-Based Biomarkers in Early-Old Community Dwellers of Thailand. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3457.	2.6	20
57	Induction of G1 Arrest and Apoptosis in Human Cancer Cells by Crebanine, an Alkaloid from <i>Stephania venosa</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 1283-1289.	1.3	19
58	Inhibition of P-Glycoprotein Mediated Multidrug Resistance by Stemofoline Derivatives. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 399-404.	1.3	19
59	Effects of curcumin on global gene expression profiles in the highly invasive human breast carcinoma cell line MDA-MB 231: A gene network-based microarray analysis. <i>Experimental and Therapeutic Medicine</i> , 2013, 5, 23-27.	1.8	17
60	Cyanidin-3-O-glucoside and Peonidin-3-O-glucoside-Rich Fraction of Black Rice Germ and Bran Suppresses Inflammatory Responses from SARS-CoV-2 Spike Glycoprotein S1-Induction In Vitro in A549 Lung Cells and THP-1 Macrophages via Inhibition of the NLRP3 Inflammasome Pathway. <i>Nutrients</i> , 2022, 14, 2738.	4.1	17
61	A Dihydroxy-pentamethoxyflavone from <i>Gardenia obtusifolia</i> suppresses proliferation and promotes apoptosis of tumor cells through modulation of multiple cell signaling pathways. <i>Anticancer Research</i> , 2010, 30, 3599-610.	1.1	16
62	Transcriptomic Profiling Reveals AKR1C1 and AKR1C3 Mediate Cisplatin Resistance in Signet Ring Cell Gastric Carcinoma via Autophagic Cell Death. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12512.	4.1	16
63	Reversal of Human Multi-Drug Resistance Leukaemic Cells by Stemofoline Derivatives via Inhibition of P-Glycoprotein Function. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 116, 390-397.	2.5	15
64	Hyperoside and Quercitrin in <i>Houttuynia cordata</i> Extract Attenuate UVB-Induced Human Keratinocyte Cell Damage and Oxidative Stress via Modulation of MAPKs and Akt Signaling Pathway. <i>Antioxidants</i> , 2022, 11, 221.	5.1	15
65	Anthocyanins and Proanthocyanidins in Natural Pigmented Rice and Their Bioactivities. , 2020, , .		14
66	Risk Factors for Lung Cancer among Northern Thai Women: Epidemiological, Nutritional, Serological, and Bacteriological Surveys of Residents in High- and Low-incidence Areas. <i>Japanese Journal of Cancer Research</i> , 1999, 90, 1187-1195.	1.7	13
67	Antiproliferative effect of alkaloids via cell cycle arrest from <i>Pseuderaria rugosa</i> . <i>Pharmaceutical Biology</i> , 2013, 51, 400-404.	2.9	13
68	Comparison of seasonal variation in the fasting respiratory quotient of young Japanese, Polish and Thai women in relation to seasonal change in their percent body fat. <i>Journal of Physiological Anthropology</i> , 2012, 31, 10.	2.6	12
69	Inhibition of the MAPK Signaling Pathway by Red Rice Extract in UVB-irradiated Human Skin Fibroblasts. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601101.	0.5	12
70	Kuguacin J isolated from bitter melon leaves modulates paclitaxel sensitivity in drug-resistant human ovarian cancer cells. <i>Journal of Natural Medicines</i> , 2017, 71, 693-702.	2.3	12
71	Dehydrozingerone, a Curcumin Analog, as a Potential Anti-Prostate Cancer Inhibitor In Vitro and In Vivo. <i>Molecules</i> , 2020, 25, 2737.	3.8	12
72	Molecular Mechanism of Antioxidant and Anti-Inflammatory Effects of Omega-3 Fatty Acids in Perilla Seed Oil and Rosmarinic Acid Rich Fraction Extracted from Perilla Seed Meal on TNF- $\alpha$ Induced A549 Lung Adenocarcinoma Cells. <i>Molecules</i> , 2021, 26, 6757.	3.8	12

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73	Phorbol esters in seed oil of <i>Jatropha curcas</i> L. (saboodam in Thai) and their association with cancer prevention: from the initial investigation to the present topics. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 1359-1369.	2.5	11
74	Association of DNA Repair and Drug Transporter in Relation to Chemosensitivity in Primary Culture of Thai Gastric Cancer Patients. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 360-367.	1.4	11
75	Determination of Phenolic Content, Antioxidant Activity, and Tyrosinase Inhibitory Effects of Functional Cosmetic Creams Available on the Thailand Market. <i>Plants</i> , 2021, 10, 1383.	3.5	11
76	Suppressive effect of soybean milk protein on experimentally induced skin tumor in mice. <i>Life Sciences</i> , 1993, 53, 1591-1596.	4.3	10
77	Chemopreventive effects of fermented brown rice and rice bran against 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis in female A/J mice. <i>Oncology Reports</i> , 1994, 21, 321.	2.6	10
78	Alkaloids from <i>Stephania venosa</i> as Chemo-Sensitizers in SKOV3 Ovarian Cancer Cells via Akt/NF- $\kappa$ B Signaling. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 162-169.	1.3	10
79	Skin Anti-aging Assays of Proanthocyanidin Rich Red Rice Extract, Oryzanol and Other Phenolic Compounds. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.5	9
80	Anti-Osteoporosis Effect of <i>Perilla frutescens</i> Leaf Hexane Fraction through Regulating Osteoclast and Osteoblast Differentiation. <i>Molecules</i> , 2022, 27, 824.	3.8	9
81	Proanthocyanidin-Rich Fractions from Red Rice Extract Enhance TNF- $\alpha$ -Induced Cell Death and Suppress Invasion of Human Lung Adenocarcinoma Cell A549. <i>Molecules</i> , 2019, 24, 3393.	3.8	8
82	Combined Black Rice Germ, Bran Supplement and Exercise Intervention Modulate Aging Biomarkers and Improve Physical Performance and Lower-Body Muscle Strength Parameters in Aging Population. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2931.	2.6	8
83	A Pharmacological Strategy Using Stemofoline for more Efficacious Chemotherapeutic Treatments Against Human Multidrug Resistant Leukemic Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2018, 19, 3533-3543.	1.2	8
84	Curcumin inhibition of the effects of Tip $\alpha$ induced cytokine expression in gastric cancer patients. <i>PharmaNutrition</i> , 2018, 6, 100-106.	1.7	7
85	Interleukin-8 associated with chemosensitivity and poor chemotherapeutic response to gastric cancer. <i>Journal of Gastrointestinal Oncology</i> , 2019, 10, 1120-1132.	1.4	7
86	Comparison of Diets among Elderly Female Residents in Two Suburban Districts in Chiang Mai Province, Thailand, in Dry Season. Survey on High- and Low-Risk Districts of Lung Cancer Incidence.. <i>Applied Human Science: Journal of Physiological Anthropology</i> , 1998, 17, 49-56.	0.2	7
87	Inhibition of the MAPK Signaling Pathway by Red Rice Extract in UVB-irradiated Human Skin Fibroblasts. <i>Natural Product Communications</i> , 2016, 11, 1877-1882.	0.5	7
88	Seasonal Variation in Amount of Unabsorbed Dietary Carbohydrate from the Intestine after Breakfast in Young Female Thai Subjects: Comparison with that of Japanese Subjects. <i>Journal of Physiological Anthropology</i> , 2010, 29, 141-147.	2.6	6
89	Comparison of variations between percentage of body fat, body mass index and daily physical activity among young Japanese and Thai female students. <i>Journal of Physiological Anthropology</i> , 2012, 31, 21.	2.6	6
90	Kuguacin J, a Triterpenoid from <i>Momordica charantia</i> Linn: A Comprehensive Review of Anticarcinogenic Properties. , 2013, , .		4

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91	Spirogyra neglecta (Hassall) K&Auml;tzing attenuates metastasis of castration-resistant human prostate cancer via the blockage of AKT signaling pathway. South African Journal of Botany, 2021, 139, 26-37.	2.5	4
92	Phytochemical, Synthetic and Biological Studies on <i>Stemona</i> and <i>Stichoneuron</i> Plants and Alkaloids: A Personal Perspective. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	2
93	Relationships of Ex-Vivo Drug Resistance Assay and Cytokine Production with Clinicopathological Features in the Primary Cell Culture of Thai Ovarian and Fallopian Tube Cancer Patients. Asian Pacific Journal of Cancer Prevention, 2017, 18, 3063-3071.	1.2	2
94	Pure curcumin inhibits exogenous Wilmsâ€™ tumor (WT1) (+/+) isoform protein via degradation pathway and protein kinase C in transfected U937 cells. African Journal of Pharmacy and Pharmacology, 2011, 5, .	0.3	2
95	MODULATION OF HUMAN MULTIDRUG-RESISTANCE MDR-1 GENE BY NATURAL CURCUMINOIDS. Acta Horticulturae, 2005, , 75-83.	0.2	1
96	Title is missing!. ScienceAsia, 2005, 31, 113.	0.5	1
97	Anti-cancer activities of Î±- and Î³-tocotrienol against the human lung cancer. African Journal of Pharmacy and Pharmacology, 2012, 6, .	0.3	1
98	Re: Phromnoi K, Reuter S, Sung B, Prasad S, Kannappan R, Yadav VR, Chanmahasathien W, Limtrakul P, and Aggarwal BB (2010) A novel pentamethoxyflavone down-regulates tumor cell survival and proliferative and angiogenic gene products through inhibition of IÎ²B kinase activation and sensitizes tumor cells to apoptosis by cytokines and chemotherapeutic agents. Mol Pharmacol 79:279â€“289; doi:10.1124/mol.110.067512. Molecular Pharmacology, 2016, 90, 64-64.	2.3	0
99	Hydrosoluble Perylene Monoimide-Based Telomerase Inhibitors with Diminished Cytotoxicity. ACS Omega, 0, , .	3.5	0