# Pawinee Piyachaturawat

List of Publications by Year
in descending order



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|---|---|---|---|
| 99 papers | 2,003 citations | 236925 25 h-index | 302126 39 g-index |
| 100 all docs | 100 docs citations | 100 times ranked | 2527 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Diarylheptanoids, new phytoestrogens from the rhizomes of Curcuma comosa: Isolation, chemical modification and estrogenic activity evaluation. Bioorganic and Medicinal Chemistry, 2008, 16, 6891-6902. | 3.0 | 107 |
| 2 | Acute and subacute toxicity of piperine in mice, rats and hamsters. Toxicology Letters, 1983, 16, 351-359. | 0.8 | 106 |
| 3 | A Phytoestrogen Diarylheptanoid Mediates Estrogen Receptor/Akt/Glycogen Synthase Kinase 3Î² Protein-dependent Activation of the Wnt/Î²-Catenin Signaling Pathway. Journal of Biological Chemistry, 2012, 287, 36168-36178. | 3.4 | 66 |
| 4 | Attenuation of eNOS expression in cadmium-induced hypertensive rats. Toxicology Letters, 2008, 176, 157-161. | 0.8 | 60 |
| 5 | Diarylheptanoid Phytoestrogens Isolated from the Medicinal Plant Curcuma comosa : Biologic Actions in Vitro and in Vivo Indicate Estrogen Receptorâ€“Dependent Mechanisms. Environmental Health Perspectives, 2009, 117, 1155-1161. | 6.0 | 60 |
| 6 | New substituted C-19-andrographolide analogues with potent cytotoxic activities. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 49-52. | 2.2 | 59 |
| 7 | Proteomics profiling of cholangiocarcinoma exosomes: A potential role of oncogenic protein transferring in cancer progression. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1989-1999. | 3.8 | 54 |
| 8 | Ophiobolins from the Mangrove Fungus Aspergillus ustus. Journal of Natural Products, 2018, 81, 2-9. | 3.0 | 53 |
| 9 | Suppression by Curcuma comosa Roxb. of pro-inflammatory cytokine secretion in phorbol-12-myristate-13-acetate stimulated human mononuclear cells. International Immunopharmacology, 2007, 7, 524-531. | 3.8 | 52 |
| 10 | Estrogenic Activity of Diarylheptanoids from Curcuma comosa Roxb. Requires Metabolic Activation. Journal of Agricultural and Food Chemistry, 2009, 57, 840-845. | 5.2 | 51 |
| 11 | A phloracetophenone glucoside with choleretic activity from Curcuma comosa. Phytochemistry, 1997, 45, 103-105. | 2.9 | 48 |
| 12 | Licorice root components in dietary supplements are selective estrogen receptor modulators with a spectrum of estrogenic and anti-estrogenic activities. Steroids, 2016, 105, 42-49. | 1.8 | 48 |
| 13 | Inhibitory effect of Curcuma comosa on NO production and cytokine expression in LPS-activated microglia. Life Sciences, 2006, 78, 571-577. | 4.3 | 44 |
| 14 | Downregulation of LAT1 expression suppresses cholangiocarcinoma cell invasion and migration. Cellular Signalling, 2014, 26, 1668-1679. | 3.6 | 41 |
| 15 | Protection against cisplatin-induced nephrotoxicity in mice by Curcuma comosa Roxb. ethanol extract. Journal of Natural Medicines, 2009, 63, 430-436. | 2.3 | 39 |
| 16 | Phenolic diarylheptanoids from Curcuma xanthorrhiza. Phytochemistry, 1994, 36, 1505-1508. | 2.9 | 38 |
| 17 | Bone Sparing Effect of a Novel Phytoestrogen Diarylheptanoid from Curcuma comosa Roxb. in Ovariectomized Rats. PLoS ONE, 2013, 8, e78739. | 2.5 | 37 |
| 18 | Dysregulated microRNA expression profiles in cholangiocarcinoma cell-derived exosomes. Life Sciences, 2018, 210, 65-75. | 4.3 | 35 |

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|---|---|---|---|
| 19 | Acute toxicity of nimbolide and nimbic acid in mice, rats and hamsters. Toxicology Letters, 1986, 30, 159-166. | 0.8 | 30 |
| 20 | Rhodol-based fluorescent probe for Au<sup>3+</sup> detection and its application in bioimaging. RSC Advances, 2016, 6, 24752-24755. | 3.6 | 30 |
| 21 | Induction of apoptosis in cholangiocarcinoma by an andrographolide analogue is mediated through topoisomerase II alpha inhibition. European Journal of Pharmacology, 2014, 723, 148-155. | 3.5 | 29 |
| 22 | Diarylheptanoid 7-(3,4 dihydroxyphenyl)-5-hydroxy-1-phenyl-(1E)-1-heptene from Curcuma comosa Roxb. protects retinal pigment epithelial cells against oxidative stress-induced cell death. Toxicology in Vitro, 2011, 25, 167-176. | 2.4 | 27 |
| 23 | A diarylheptanoid phytoestrogen from Curcuma comosa, 1,7-diphenyl-4,6-heptadien-3-ol, accelerates human osteoblast proliferation and differentiation. Phytomedicine, 2013, 20, 676-682. | 5.3 | 26 |
| 24 | Polyoxygenated cyclohexene derivatives isolated from Dasymaschalon sootepense and their biological activities. FÃ¬toterapÃ¬Ã¢, 2015, 106, 158-166. | 2.2 | 26 |
| 25 | Anti-HIV and cytotoxic biphenyls, benzophenones and xanthones from stems, leaves and twigs of Garcinia speciosa. Phytochemistry, 2018, 147, 68-79. | 2.9 | 26 |
| 26 | Polyketides From the Endophytic Fungus Cladosporium sp. Isolated From the Mangrove Plant Excoecaria agallocha. Frontiers in Chemistry, 2018, 6, 344. | 3.6 | 26 |
| 27 | Inhibition of topoisomerase II Î± activity and induction of apoptosis in mammalian cells by semi-synthetic andrographolide analogues. Investigational New Drugs, 2013, 31, 320-332. | 2.6 | 25 |
| 28 | Selective Estrogen Receptor Modulator (SERM)-like Activities of Diarylheptanoid, a Phytoestrogen from Curcuma comosa, in Breast Cancer Cells, Pre-osteoblast Cells, and Rat Uterine Tissues. Journal of Agricultural and Food Chemistry, 2017, 65, 3490-3496. | 5.2 | 25 |
| 29 | Reduction of plasma cholesterol by Curcuma comosa extract in hypercholesterolaemic hamsters. Journal of Ethnopharmacology, 1999, 66, 199-204. | 4.1 | 24 |
| 30 | Preparation of Curcuma comosa tablets using liquisolid techniques: In vitro and in vivo evaluation. International Journal of Pharmaceutics, 2018, 553, 157-168. | 5.2 | 24 |
| 31 | The anti-cancer activity of an andrographolide analogue functions through a GSK-3Î²-independent Wnt/Î²-catenin signaling pathway in colorectal cancer cells. Scientific Reports, 2018, 8, 7924. | 3.3 | 24 |
| 32 | Gastric mucosal secretions and lesions by different doses of streptozotocin in rats. Toxicology Letters, 1991, 55, 21-29. | 0.8 | 23 |
| 33 | L-Glutamate Enhances Methylmercury Toxicity by Synergistically Increasing Oxidative Stress. Journal of Pharmacological Sciences, 2008, 108, 280-289. | 2.5 | 22 |
| 34 | Transcriptional regulation of iNOS and COX-2 by a novel compound from Curcuma comosa in lipopolysaccharide-induced microglial activation. Neuroscience Letters, 2009, 462, 171-175. | 2.1 | 22 |
| 35 | Improvements of insulin resistance in ovariectomized rats by a novel phytoestrogen from Curcuma comosa Roxb. BMC Complementary and Alternative Medicine, 2012, 12, 28. | 3.7 | 22 |
| 36 | Solubility enhancement andin vitroevaluation of PEG-b-PLA micelles as nanocarrier of semi-synthetic andrographolide analogue for cholangiocarcinoma chemotherapy. Pharmaceutical Development and Technology, 2015, 21, 1-8. | 2.4 | 22 |

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|---|---|---|---|
| 37 | A silyl andrographolide analogue suppresses Wnt/Î²-catenin signaling pathway in colon cancer. Biomedicine and Pharmacotherapy, 2018, 101, 414-421. | 5.6 | 21 |
| 38 | Protection of centrilobular necrosis by Curcuma comosa Roxb. in carbon tetrachloride-induced mice liver injury. Journal of Ethnopharmacology, 2010, 129, 254-260. | 4.1 | 20 |
| 39 | 12-Amino-andrographolide analogues: synthesis and cytotoxic activity. Archives of Pharmacal Research, 2013, 36, 1454-1464. | 6.3 | 19 |
| 40 | Enhancement of vascular relaxation in rat aorta by phytoestrogens from Curcuma comosa Roxb. Vascular Pharmacology, 2009, 51, 284-290. | 2.1 | 18 |
| 41 | Effects of andrographolide on intrahepatic cholestasis induced by alpha-naphthylisothiocyanate in rats. European Journal of Pharmacology, 2016, 789, 254-264. | 3.5 | 18 |
| 42 | Antifertility effect of Citrus hystrix DC.. Journal of Ethnopharmacology, 1985, 13, 105-110. | 4.1 | 17 |
| 43 | Choleretic activity of phloracetophenone in rats: structureâ€“function studies using acetophenone analogues. European Journal of Pharmacology, 2000, 387, 221-227. | 3.5 | 17 |
| 44 | Long-Term Effect of Phytoestrogens from Curcuma comosa Roxb. on Vascular Relaxation in Ovariectomized Rats. Journal of Agricultural and Food Chemistry, 2012, 60, 758-764. | 5.2 | 16 |
| 45 | 5-Acetyl goniothalamin suppresses proliferation of breast cancer cells via Wnt/Î²-catenin signaling. European Journal of Pharmacology, 2016, 791, 455-464. | 3.5 | 16 |
| 46 | Andrographolide modulates OPG/RANKL axis to promote osteoblastic differentiation in MC3T3-E1 cells and protects bone loss during estrogen deficiency in rats. Biomedicine and Pharmacotherapy, 2020, 131, 110763. | 5.6 | 16 |
| 47 | Evaluation of the acute and subacute toxicity of a choleretic phloracetophenone in experimental animals. Toxicology Letters, 2002, 129, 123-132. | 0.8 | 15 |
| 48 | Polycyclic polyprenylated acylphloroglucinols and biphenyl derivatives from the roots of Garcinia nuntasaenii Ngerns. & Suddee. Phytochemistry, 2018, 146, 63-74. | 2.9 | 15 |
| 49 | Serum lipidomics analysis of ovariectomized rats under Curcuma comosa treatment. Journal of Ethnopharmacology, 2016, 192, 273-282. | 4.1 | 14 |
| 50 | Synthesis of 14-deoxy-11,12-didehydroandrographolide analogues as potential cytotoxic agents for cholangiocarcinoma. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 5139-5143. | 2.2 | 14 |
| 51 | Precursor-Directed Generation of Indolocarbazoles with Topoisomerase IIÎ± Inhibitory Activity. Marine Drugs, 2018, 16, 168. | 4.6 | 14 |
| 52 | Pyranonaphthoquinone and anthraquinone derivatives from Ventilago harmandiana and their potent anti-inflammatory activity. Phytochemistry, 2020, 169, 112182. | 2.9 | 14 |
| 53 | Interactions of sesquiterpenes zederone and germacrone with the human cytochrome P450 system. Toxicology in Vitro, 2013, 27, 2005-2012. | 2.4 | 13 |
| 54 | The Natural Estrogenic Compound Diarylheptanoid (D3):In VitroMechanisms of Action andin VivoUterine Responses via Estrogen ReceptorÎ±. Environmental Health Perspectives, 2013, 121, 433-439. | 6.0 | 13 |

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|---|---|---|---|
| 55 | Effects of Curcuma comosa on the expression of atherosclerosis-related cytokine genes in rabbits fed a high-cholesterol diet. Journal of Ethnopharmacology, 2011, 134, 608-613. | 4.1 | 12 |
| 56 | One-pot three steps cascade synthesis of novel isoandrographolide analogues and their cytotoxic activity. European Journal of Medicinal Chemistry, 2017, 138, 952-963. | 5.5 | 12 |
| 57 | New Ansamycins from the Deep-Sea-Derived Bacterium Ochrobactrum sp. OUCMDZ-2164. Marine Drugs, 2018, 16, 282. | 4.6 | 12 |
| 58 | Modulating effects of exercise training regimen on skeletal muscle properties in female polo ponies. BMC Veterinary Research, 2016, 12, 245. | 1.9 | 11 |
| 59 | Sphingosineâ€1â€Phosphate Modulates the Effect of Estrogen in Human Osteoblasts. JBMR Plus, 2018, 2, 217-226. | 2.7 | 11 |
| 60 | Curcuma comosa reduces visceral adipose tissue and improves dyslipidemia in ovariectomized rats. Journal of Ethnopharmacology, 2018, 215, 167-175. | 4.1 | 11 |
| 61 | Secopaxilline A, an indole-diterpenoid derivative from an aciduric Penicillium fungus, its identification and semisynthesis. Organic Chemistry Frontiers, 2018, 5, 2835-2839. | 4.5 | 11 |
| 62 | Design and synthesis of C-12 dithiocarbamate andrographolide analogues as an anticancer agent. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127263. | 2.2 | 11 |
| 63 | Cytotoxic polyoxygenated cyclohexene derivatives from the aerial parts of Uvaria cherrevensis. FÃ¬toterapÃ¬Â¢, 2019, 137, 104182. | 2.2 | 10 |
| 64 | ENHANCEMENT OF FERTILIZATION BY PIPERINE IN HAMSTERS. Cell Biology International, 1997, 21, 405-409. | 3.0 | 9 |
| 65 | Induction of apoptosis in murine leukemia by diarylheptanoids from Curcuma comosa Roxb.. Cell Biology and Toxicology, 2011, 27, 413-423. | 5.3 | 9 |
| 66 | Concurrent suppression of NF-ÎºB, p38 MAPK and reactive oxygen species formation underlies the effect of a novel compound isolated fromCurcuma comosaRoxb. in LPS-activated microglia. Journal of Pharmacy and Pharmacology, 2017, 69, 917-924. | 2.4 | 9 |
| 67 | Structural modification of oridonin via DAST induced rearrangement. RSC Advances, 2018, 8, 29548-29554. | 3.6 | 9 |
| 68 | Design, Synthesis and Evaluations of New 10â€Triazolylâ€1â€methoxygenipin Analogues for Their Cytotoxicity to Cancer Cells. ChemistrySelect, 2020, 5, 9540-9546. | 1.5 | 8 |
| 69 | Cytotoxic compounds from the leaves and stems of the endemic Thai plant Mitrephora sirikitiae. Pharmaceutical Biology, 2020, 58, 490-497. | 2.9 | 8 |
| 70 | Cholesterol lowering effects of a choleretic phloracetophenone in hypercholesterolemic hamsters. European Journal of Pharmacology, 2002, 439, 141-147. | 3.5 | 7 |
| 71 | Synthesis and cytotoxic activity of 14-deoxy-12-hydroxyandrographolide analogs. Medicinal Chemistry Research, 2017, 26, 1653-1663. | 2.4 | 7 |
| 72 | Inhibition of Topoisomerase IIÎ± and Induction of Apoptosis in Gastric Cancer Cells by 19-Triisopropyl Andrographolide. Asian Pacific Journal of Cancer Prevention, 2017, 18, 2845-2851. | 1.2 | 7 |

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|---|---|---|---|
| 73 | Induction of human cholesterol 7Î±-hydroxylase in HepG2 cells by 2,4,6-trihydroxyacetophenone. European Journal of Pharmacology, 2005, 515, 43-46. | 3.5 | 6 |
| 74 | A New Neolignan, and the Cytotoxic and Anti-HIV-1 Activities of Constituents from the Roots of Dasymaschalon sootepense. Natural Product Communications, 2016, 11, 1934578X1601100. | 0.5 | 6 |
| 75 | Cytotoxic lanostanes from fruits of Garcinia wallichii Choisy (Guttiferae). Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5773-5779. | 2.2 | 6 |
| 76 | Protective Effects of a Diarylheptanoid from Curcuma comosa Against Hydrogen Peroxide-Induced Astroglial Cell Death. Planta Medica, 2016, 82, 1456-1462. | 1.3 | 6 |
| 77 | Protective effect of diarylheptanoids fromCurcuma comosaon primary rat hepatocytes againstt-butyl hydroperoxide-induced toxicity. Pharmaceutical Biology, 2016, 54, 853-862. | 2.9 | 6 |
| 78 | Inhibition of Adipogenic Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells by a Phytoestrogen Diarylheptanoid from Curcuma comosa. Journal of Agricultural and Food Chemistry, 2020, 68, 9993-10002. | 5.2 | 6 |
| 79 | 4-Hydroxyacetophenone-Induced Choleresis in Rats is Mediated by the Mrp2-Dependent Biliary Secretion of Its Glucuronide Conjugate. Pharmaceutical Research, 2006, 23, 2603-2610. | 3.5 | 5 |
| 80 | Phloracetophenone-induced choleresis in rats is mediated through Mrp2. American Journal of Physiology - Renal Physiology, 2007, 293, G66-G74. | 3.4 | 5 |
| 81 | Cytotoxic Alkaloids from Leaves and Twigs of Dasymaschalon sootepense. Natural Product Communications, 2014, 9, 1934578X1400900. | 0.5 | 5 |
| 82 | Determination of the Marker Diarylheptanoid Phytoestrogens in <i>Curcuma comosa</i> Rhizomes and Selected Herbal Medicinal Products by HPLC-DAD. Chemical and Pharmaceutical Bulletin, 2018, 66, 65-70. | 1.3 | 5 |
| 83 | Effects of cortisol pretreatment on the acute hepatotoxicity of aflatoxin B1. Toxicology Letters, 1988, 42, 237-248. | 0.8 | 4 |
| 84 | Contribution of cholinergic muscarinic functions in cadmium-induced hypertension in rats. Toxicology Letters, 2006, 164, S155. | 0.8 | 4 |
| 85 | Ex vivo expansion and functional activity preservation of adult hematopoietic stem cells by a diarylheptanoid from Curcuma comosa. Biomedicine and Pharmacotherapy, 2021, 143, 112102. | 5.6 | 4 |
| 86 | Effects of cytochalasin E on H+ and volume secretion in gastric fistula rats. Toxicology Letters, 1987, 36, 95-103. | 0.8 | 3 |
| 87 | Inhibitory effects of choleretic hydroxyacetophenones on ileal bile acid transport in rats. Life Sciences, 2006, 78, 1630-1636. | 4.3 | 3 |
| 88 | Synthetic analogues of durantoside I from Citharexylum spinosum L. and their cytotoxic activity. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1558-1561. | 2.2 | 3 |
| 89 | Synthesis and cytotoxic activity of new 7-acetoxy-12-amino-14-deoxy andrographolide analogues. Bioorganic and Medicinal Chemistry Letters, 2021, 33, 127741. | 2.2 | 3 |
| 90 | Differential effects of hydroxyacetophenone analogues on the transcytotic vesicular pathway in rat liver. European Journal of Pharmacology, 2006, 547, 152-159. | 3.5 | 2 |

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|---|---|---|---|
| 91 | Title is missing!. ScienceAsia, 1982, 8, 025. | 0.5 | 2 |
| 92 | Curcuma aromatica and Curcuma comosa Extracts and Isolated Constituents Provide Protection against UVB-Induced Damage and Attenuate Matrix Metalloproteinase-1 Expression in HaCaT Cells. Cosmetics, 2022, 9, 23. | 3.3 | 2 |
| 93 | Nitric oxide signalling is involved in diarylheptanoidâ€induced increases in femoral arterial blood flow in ovariectomized rats. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 240-249. | 1.9 | 1 |
| 94 | Diarylheptanoids of Curcuma comosa with Inhibitory Effects on Nitric Oxide Production in Macrophage RAW 264.7 Cells. Natural Product Communications, 2015, 10, 1934578X1501000. | 0.5 | 1 |
| 95 | Diarylheptanoids contribute to the estrogenic activity of Curcuma comosa.. FASEB Journal, 2008, 22, 1220.4. | 0.5 | 0 |
| 96 | Effects of phytoestrogens from Curcuma comosa Roxb. on rat aorta relaxation. FASEB Journal, 2010, 24, 1028.8. | 0.5 | 0 |
| 97 | Suppression on Adipocyte Differentiation of Human Bone Marrowâ€Derived Mesenchymal Stem Cell (hBMSC) by a Phytoestrogen Diarylheptanoid. FASEB Journal, 2018, 32, 679.1. | 0.5 | 0 |
| 98 | Anticancer Activity of A Silyl Andrographolide Analogue Mediated Through Wnt/Î²â€Catenin Signaling In Colon Cancer Cells. FASEB Journal, 2018, 32, lb680. | 0.5 | 0 |
| 99 | Lowering of lysophosphatidylcholines in ovariectomized rats by Curcuma comosa. PLoS ONE, 2022, 17, e0268179. | 2.5 | 0 |