

BIBLIOGRAPHY

- Abraham, S., Abraham, S.K. and Radhamony, G. 1976. "Mutagenic Potential of the Condiments, Ginger and Turmeric", Cytologia. 41, 591-595. (through napralert database)
- Achararit, C., Panyayong, W. and Ruchatakomut, E. 1983. "Undergraduate Special Project Report Inhibitory Action of some Thai Herbs to Fungi". Bangkok: Fac. of Pharm. Mahidol University. (through napralert database)
- Ahn, B.Z. and Lee, J.H. 1989. "Cytotoxic and Cytotoxicity-potentiating Effects of the *Curcuma* Root on L1210 Cell", Saengyak Hakhoechi. 20, 223-226. (through SciFinder Scholar)
- Ali, M., Mikage, M., Kiuchi, F., Tsuda, Y. and Kondo, K. 1991. "Screening of Crude Drugs Used in Bangladesh for Nematocidal Activity on the Larva of *Toxocara canis*", Shoyakugaku Zasshi. 45, 206-214. (through napralert database)
- Alkofahi, A., Batshoun, R., Owais, W. and Najib, N. 1997. "Biological Activity of some Jordanian Medicinal Plant Extracts Part II", Fitoterapia. 68, 1663-1682. (through napralert database)
- Al-Yahya, M.A., Rafatullah, S., Mossa, J.S., Ageel, A.M., Al-Said, M.S. and Tariq, M. 1990. "Gastric Antisecretory, Antiulcer and Cytoprotective Properties of Ethanolic Extract of *Alpinia galanga* Willd in Rats", Phytother. Res. 43, 112-114. (through napralert database)
- Alzoreky, N.S. and Nakahara, K. 2002. "Antibacterial Activity of Extracts from some Edible Plants Commonly Consumed in Asia", Int. J. Food Microbiol. 80, 223-230.
- Ammon, H.P.T., Safayhi, H., Mack, T. and Sabieraj, J. 1993. "Mechanism of Antiinflammatory Actions of Curcumin and Boswellic Acids", J. Ethnopharmacol. 38, 113-119.

- Ammon, H.P.T. and Wahl, M.A. 1991. "Pharmacology of *Curcuma longa*", Planta Med. 57, 1-7.
- Apisariyakul, A. 1984. "Investigation of Fractions Isolated from Thai Medicinal Plants Affecting on Isolated Rat Ileum", In Abstracts of 10th Conference of Science and Technology Thailand. 450-451. Chiangmai: Dept. Pharmacol. Fac. Med Chiangmai University. (through napralert database)
- Apisariyakul, A. and Anantasarn, V. 1984. "Pharmacological Study of the Thai Medical Plants Used as Cathartics and Antispasmodics", In Abstracts of 10th Conference of Science and Technology Thailand. 452-453. Chiangmai: Dept. Pharmacol. Fac. Med. Chiangmai University. (through napralert database)
- Apisariyakul, A., Vanittanakom, N. and Buddhasukh, D. 1995. "Antifungal Activity of Turmeric Oil Extracted from *Curcuma longa* (Zingiberaceae)", J. Ethnopharmacol. 49, 163-169.
- Araújo C.A.C. and Leon L.L. 2001. "Biological Activities of *Curcuma longa* L.", Mem Inst Oswaldo Cruz, Rio De Janeiro. 96, 723-728.
- Aswal, B.S., Bhakuni, D.S., Goel, A.K., Kar, K., Mehrotra, B.N. and Mukherjee, K.C. 1984. "Screening of Indian Plants for Biological Activity: Part X", Indian J. Exp. Biol. 22, 312-332. (through napralert database)
- Ayafor, J.F., Tchuendem, M.H.K., Nyasse, B., Tillequin, F. and Anke, H. 1994. "Aframodial and other Bioactive Diterpenoids from Aframomum Species", Pure Appl. Chem. 66, 2327-2330. (through napralert database)
- Balladin., D.A., Headley, O., Chang-Yen, I. and McGaw, D.R. 1998. "High Pressure Liquid Chromatographic Analysis of the Main Pungent Principles of Solar Dried West Indian Ginger (*Zingiber officinale* Roscoe)", Renewable Energy. 13, 531-536.
- Barik, B.R., Kundu, A.B. and Dey, A.K. 1987. "Two Phenolic Constituents from *Alpinia galanga* Rhizomes", Phytochemistry. 26, 2126-2127.

- Barthelemy, S., Vergnes, L., Moynier, M., Guyot, D., Labidalle, S. and Bahraoui, E. 1998. "Curcumin and Curcumin Derivatives Inhibit Tat-Mediated Transactivation of Type I Human Immunodeficiency Virus Long Terminal Repeat", Res. Virology. 149, 43-52.
- Bhavani-Shankar, T.N. and Murthy, V.S. 1979. "Effect of Turmeric (*Curcuma longa*) Fractions on the Growth of some Intestinal and Pathogenic Bacteria *in vitro*", Indian J. Exp. Biol. 17, 1363-1366. (through napralert database)
- Blois, M.S. 1958. "Antioxidant Determinations by the Use of a Stable Free Radical", Nature. 181, 1199-1200.
- Cai, D.F., Wang, J.L., Xun, D.Z., Meng, X.J. and Ma, J. 1988. "Antiviral and Interferon Inducing Effect of Kangli Powder", Chung Hsi I Chieh Ho Tsa Chih. 8, 731-733. (through napralert database)
- Carnesecchi, S., Schneider, Y., Ceraline, J., Duranton, B., Gosse, F., Seiler, N. and Raul, F. 2001. "Geraniol, a Component of Plant Essential Oils, Inhibits Growth and Polyamine Biosynthesis in Human Colon Cancer Cells", J. Pharmacol. Exp. Ther. 298, 197-200. (through SciFinder Scholar)
- Charles, R., Garg, S.N. and Kumar, S. 2000. "New Gingerdione from the Rhizomes of *Zingiber officinale*", Fitoterapia. 71, 716-718.
- Chau, L.T., Hong, T.N. and Quy, N.M. 1979. "Principal Chemical Compound from the Root of *Kaempferia galanga* Linn.", Duoc Hoc. 5, 9-11. (through napralert database)
- Cheah, P.B. and Gan, S.P. 2000. "Antioxidative/Antimicrobial Effects of Galangal and α -Tocopherol in Minced Beef", J. Food Prot. 63, 404-407.
- Cheeptham, N. and Towers, G.H.N. 2002. "Light-Mediated Activities of some Thai Medicinal Plant Teas", Fitoterapia. 73, 651-662.
- Chen, C.C., Kuo, M.C., Wu, C.M. and Ho, C.T. 1986. "A Pungent Compounds of Ginger (*Zingiber officinale* Roscoe) Extracted by Liquid Carbondioxide", J. Agric. Food Chem. 34, 477-480. (through napralert database)

- Chen, C.C., Rosen, R.T. and Ho, C.-T. 1986a. "Chromatographic Analyses of Gingerol Compounds in Ginger (*Zingiber officinale* Roscoe) Extracted by Liquid Carbondioxide", J. Chromatogr. 360, 163-173.
- Chen, C.C., Rosen, R.T. and Ho, C.-T. 1986b. "Chromatographic Analyses of Isomeric Shogaol Compounds Derived from Isolated Gingerol Compounds of Ginger (*Zingiber officinale* Roscoe)", J. Chromatogr. 360, 175-184.
- Chen, Y.H., Yu, J.G. and Fang, H.J. 1983. "Studies on Chinese Curcuma III Comparison of the Volatile Oil and Phenolic Constituents from the Rhizome and the Tuber of *Curcuma longa*", Chung Yao T'ung Pao. 8, 27-29. (through napralert database)
- Chinsiriwong, Y. and Hirankarn, S. 1983. "Undergraduate Special Project Report Chemical Study and Fungi Inhibitory Action of *Languas Galanga* Swartz. Family Zingiberaceae". Bangkok: Fac. of Pharm. Mahidol University. (through napralert database)
- Choiu, J.W. and Chang, W.H. 1983. "Preliminary Study on the Antioxidative Components of some Spices Grown in Taiwan", Chung Kuo Nung Yeh Hua Hsueh Hui Chih. 21, 97-103. (through napralert database)
- Chopra, I.C., Khajuria, B.N. and Chopra, C.L. 1957. "Antibacterial Properties of Volatile Principles from *Alpinia galanga* and *Acorus calamus*", Antibiot Chemother. 7, 378-383. (through napralert database)
- Chung, W.-Y., Jung, Y.-J., Surh, Y.-J., Lee, S.-S. and Park, K.-K. 2001. "Antioxidative and Antitumour Promoting Effects of [6]-Paradol and its Homologs", Mutat. Res. 496, 199-206.
- Cohly, H.H.P., Taylor, A., Angel, M.F. and Salahudeen, A.K. 1998a. "Effect of Turmeric, Turmerin and Curcumin on H₂O₂ Induced Renal Epithelial (LLC-PK1) Cell Injury", Free Radical Biol. Med. 24, 49-54. (through napralert database)
- Cohly, H.H.P., Asad, S., Scott, H., Das, S.K., Angel, M.F., Rao, M. and Reed, S. 1998b. "Effect of Turmeric on Plasma Lipid Peroxidation and Nitric Oxide Levels in HIV Infected Patients", Res. Commun. Pharmacol. Toxicol. 33, 139-146. (through napralert database)

- De Pooter, H.L., Omar, M.N., Coolsaet, B.A. and Schamp, N.M. 1985. "The Essential Oil of Greater Galanga (*Alpinia galanga*) from Malaysia", Phytochemistry. 24, 93-96. (through napralert database)
- Deshpande, S.S., Ingle, A.D. and Maru, G.B. 1997. "Inhibitory Effects of Curcumin Free Aqueous Turmeric Extract on Benzo[A]Pyrene Induced Forestomach Papillomas in Mice", Cancer Lett. 118, 79-85. (through napralert database)
- Dhar, M.L., Dhar, M.M., Dhawan, B.N., Mehrotra, B.N. and Ray, C. 1968. "Screening of Indian Plants for Biological Activity: Part I", Indian J. Exp. Biol. 6, 232-247. (through napralert database)
- Dhawan, B.N., Patnaik, G.K., Rastogi, R.P., Singh, K.K. and Tandon, J.S. 1977. "Screening of Indian Plants for Biological Activity VI", Indian J. Exp. Biol. 15, 208-219. (through napralert database)
- Dubey, N.K., Takeya, K. and Itokawa, H. 1997. "Citral: a Cytotoxic Principle Isolated from the Essential Oil of Cymbopogon Citratus Against P388 Leukemia Cells", Curr. Sci. 73, 22-24. (through SciFinder Scholar)
- Endo, K., Kanno, E. and Oshima, Y. 1990. "Structures of Antifungal Diarylheptenones Gingerenones A, B, C and Isogingerenone B, Isolated from the Rhizomes of *Zingiber officinale*", Phytochemistry. 29, 797-799.
- Fang, H.J., Yu, J.G., Chen, Y.H. and Hu, Q. 1982. "Studies on Chinese Curcuma II Comparison of the Chemical Components of Essential Oils from Rhizome of Five Species of Medicinal Curcuma Plants", Yao Hsueh Hsueh Pao. 17, 441-447. (through napralert database)
- Ferreira, L.A.F., Henriques, O.B., Andreoni, A.A.S., Vital, G.R.F., Campos, M.M.C., Habermehl, G.G. and Moraes, V.L.G.D. 1992. "Antivenom and Biological Effects of Ar-turmerone Isolated from *Curcuma longa* (Zingiberaceae)", Toxicon. 30, 1211-1218.
- Finney, D.J. 1971. Probit Analysis. 3rd ed., Cambridge: Cambridge University Press.
- Freshney, R.I. 1994. Culture of Animal Cells. A Manual of Basic Technique. 3rd ed., New York: John Wiley and Sons, Inc.

- Fu, H.Y., Huang, T.C., Ho, C.T. and Daun, H. 1993. "Characterization of the Major Anthocyanin in Acidified Green Ginger (*Zingiber officinale Roscoe*)", Zhongguo Nongye Huaxue Huizhi. 31, 587-595. (through napralert database)
- Fujimoto, Y., Maruno, K. and Made, S. 1989. "Antitumour Sesquiterpene Extraction from Ginger Roots", Patent-Japan Kokai Tokkyo Koho. 344, 6. (through napralert database)
- George, M. and Pandalai, K.M. 1949. "Investigations on Plant Antibiotics Part IV Further Search for Antibiotic Substances in Indian Medicinal Plants", Indian J. Med. Res. 37, 169-181. (through napralert database)
- Goel, A., Boland, C.R. and Chauhan, D.P. 2001. "Specific Inhibition of Cyclooxygenase-2 (COX-2) Expression by Dietary Curcumin in HT-29 Human Colon Cancer Cells", Cancer Lett. 172, 111-118.
- Gopalan, B., Goto, M., Kodama, A. and Hirose, T. 2000. "Supercritical Carbon Dioxide Extraction of Turmeric (*Curcuma longa*)", J. Agric. Food Chem. 48, 2189-2192.
- Gordon, M.H. 1996. "Dietary Antioxidants in Disease Prevention", Nat. Prod. Rep. 13, 265-273.
- Gupta, B. and Ghosh, B. 1999. "*Curcuma longa* Inhibits TNF- α Induced Expression of Adhesion Molecules on Human Umbilical Vein Endothelial Cells", Int. J. Immunopharmacol. 21, 745-757. (through napralert database)
- Gupta, S.S., Chandra, D. and Mishra, N. 1972. "Antiinflammatory and Antihyaluronidase Activity of Volatile Oil of *Curcuma longa*", Indian J. Physiol. Pharmacol. 16, 263A. (through napralert database)
- Haraguchi, H., Kuwata, Y., Inada, K., Shingu, K., Miyahara, K., Nagao, M. and Yagi, A. 1996. "Antifungal Activity from *Alpinia galanga* and the Competition for Incorporation of Unsaturated Fatty Acids in Cell Growth", Planta Med. 62, 308-313. (through napralert database)

- Hashim, S., Aboobaker, V.S., Madhubala, R., Bhattacharya, R.K. and Rao, A.R. 1994. "Modulatory Effects of Essential Oils from Spices on the Formation of DNA Adducts by Aflatoxin B1 *in vitro*", Nutr. Cancer. 21, 169-175. (through napralert database)
- He, X.-G., Bernart, M.W., Lian, L.-Z. and Lin, L.-Z. 1998. "High-performance Liquid Chromatography-electrospray Mass Spectrometric Analysis of Pungent Constituents of Ginger" J. Chromatogr. A. 796, 327-334.
- Hikino, H., Kiso, Y., Kato, N., Hamada, Y., Shioiri, T., Aiyama, R., Itokawa, H., Kiuchi, F. and Sankawa, U. 1985. "Antihapatotoxic Actions of Gingerols and Diarylheptanoids", J. Ethnopharmacol. 14, 31-39.
- Hiserodt, R., Hartman, T.G., Ho, C.T. and Rosen, R.T. 1996. "Characterization of Powdered Turmeric by Liquid Chromatography/Mass Spectrometry and Gas Chromatography/Mass Spectrometry", J. Chromatogr. A. 740, 51-63. (through napralert database)
- Hiserodt, R.D., Franzblau, S.G. and Rosen, R.T. 1998. "Isolation of 6-, 8-, and 10-Gingerol from Ginger Rhizome by HPLC and Preliminary Evaluation of Inhibition of *Mycobacterium avium* and *Mycobacterium tuberculosis*", J. Agric. Food Chem. 46, 2504-2508. (through napralert database)
- Honwad, V.K. and Rao, A.S. 1964. "Absolute Configuration of ar-Turmerone", Tetrahedron. 20, 2921-2925.
- Hu, Y.S., Du, Q.Y. and Tang, Q.H. 1997. "Study of Chemical Constituents of Volatile Oil from *Curcuma longa* by GC-MS", Zhongguo Yaoxue Zazhi. 32, 35-36. (through napralert database)
- Huang, M.T., Newmark, H.L. and Frenkel, K. 1997. "Inhibitory Effects of Curcumin on Tumourigenesis in Mice", J. Cell. Biochem. Suppl. 27, 26-34.
- Huang, M.T., Ma W., Yen, P., Xie, J.G., Han, J., Frenkel, K., Grunberger, D., Conney, A.H., 1997. "Inhibitory Effect of low Doses of Curcumin Topical Application on 12-O-Tetradecanoylphorbol-13-acetate-Induced Tumour Promotion and Oxidized DNA Bases in Mouse Epidermis", Carcinogenesis. 18, 83-88.

- Inada, A., Nakanishi, T., Imamura, L., Tsuchiya, M. and Kobashi, K. 1998. "Studies on Crude Drugs Effective on Growth of *Helicobacter pylori* Growth Inhibitors in Kaempferiae Rhizoma", Proc. Int. Symp. Nat. Med. 319-326. (through napralert database)
- Insun, D., Choochote, W., Jitpakdi, A., Chaithong, U., Tippawangkosol, P. and Pitasawat, B. 1999. "Possible Site of Action of *Kaempferia galanga* in Killing *Culex quinquefasciatus* Larvae", Southeast Asian J. Trop. Med. Public Health. 30, 195-199. (through napralert database)
- Ishida, J., Ohtsu, H., Tachibana, Y., Nakanishi, Y., Bastow, K.F., Nagi, M., Wang, H.-K., Itokawa, H. and Lee, K.-H. 2002. "Antitumour Agents Part 214: Synthesis and Evaluation of Curcumin Analogues as Cytotoxic Agents", Bioorganic & Medicinal Chemistry. 10, 3481-3487.
- Islam, M.W., Zakaria, M.N.M., Radhakrishnan, R., Liu, X.M., Ismail, A., Chan, K. and Alattas, A. 2000. "Galangal (*Alpinia galanga* Willd.) and Black Seeds (*Nigella Sativa* Linn.) and Sexual Stimulation in Male Mice", J. Pharm. Pharmacol. Suppl. 52, 278. (through napralert database)
- Itokawa, H., Mihashi, S., Watanabe, K., Natsumoto, H. and Hamanaka, T. 1983. "Studies on the Constituents of Crude Drugs Having Inhibitory Activity Against Contraction of the Ileum Caused by Histamine or Barium Chloride", Shoyakugaku Zasshi. 37, 223-228. (through napralert database)
- Itokawa, H., Morita, H., Sumitomo, T., Totsuka, N. and Takeya, K. 1987. "Antitumour Principles from *Alpinia galanga*", Planta Med. 53, 32-33.
- Jaipetch, T., Kanghae, S., Pancharoen, O., Patrick, V.A., Reutrakul, V., Tuntiwachwuttikul, P. and White, A.H. 1982. "Constituents of *Boesenbergia pandurata* (syn. *Kaempferia pandurata*): Isolation, Crystal Structure and Synthesis of (*dl*)-Boesenbergin A", Aust. J. Chem. 35, 351-361. (through napralert database)
- Janssen, A.M. and Scheffer, J.J.C. 1985. "Acetoxychavicol Acetate, an Antifungal Component of *Alpinia galanga*", Planta Med. 51, 507-511.

- Jantan, I.B., Basni, I., Ahmad, A.S., All, N.A.M., Ahmad, A.R. and Ibrahim, H. 2001. "Constituents of the rhizome oils of *Boesenbergia pandurata* (Roxb.) Schltr. from Malaysia, Indonesia and Thailand", Flavour Fragrance J. 16, 110-112.
- Jentzsch, K., Spiegl, P. and Kamitz, R. 1970. "Qualitative and Quantitative Studies of Curcuma Dyes in Different Zingiberaceae Drugs II Quantitative Studies", Sci. Pharm. 38, 50. (through napralert database)
- Jitoe, A., Masuda, T., Tengah, I.G.P., Suprapta, D. N., Gara, I.W. and Nakatani, N. 1992. "Antioxidant Activity of Tropical Ginger Extracts and Analysis of the Contained Curcuminoids", J. Agric. Food Chem. 40, 1337-1340.
- Kaleysaraj, R. 1975. "Screening of Indigenous Plants for Anthelmintic Action Against Human *Ascaris lumbricoides*: Part II", Indian J. Physiol. Pharmacol. 19, 47-49. (through napralert database)
- Kami, T., Nakayama, M. and Hayashi, S. 1972. "Volatile Constituents of *Zingiber officinale*", Phytochemistry. 11, 3377-3381. (through napralert database)
- Kawamori, T., Lubet, R., Steele, V.E., Kelloff, G.J., Kaskey, R.B., Rao, C.V. and Reddy, B.S. 1999. "Chemopreventive Effect of Curcumin, a Naturally Occurring Anti-inflammatory Agent, during the Promotion/Progression Stages of Colon Cancer", Cancer Res. 59, 597-601.
- Kawamura, F. and Okada, M. 1992. "Antioxidative Effect of Ginger on the Peroxidation of Lard in Boiled Water I Effect of the Essential Oils and Sliced Ginger", Nippon Kasei Gakkaishi. 43, 31-35. (through napralert database)
- Khar, A., Ali, A.M., Pardhasaradhi, B.V.V., Begum, Z. and Anjum, R. 1999. "Antitumour Activity of Curcumin is Mediated through the Induction of Apoptosis in AK-5 Tumour Cells", FEBS Lett. 445, 165-168.
- Khopde, S.M., Priyadarsini, K.I., Venkatesan, P. and Rao, M.N.A. 1999. "Free Radical Scavenging Ability and Antioxidant Efficiency of Curcumin and its Substituted Analogue", Biophys. Chem. 80, 85-91.
- Kikuzaki, H. and Nakatani, N. 1993. "Antioxidant Effects of some Ginger Constituents", J. Food Sci. 58, 1407-1410. (through napralert database)

- Kikuzaki, H., Tsai, S.-M. and Nakatani, N. 1992. "Gingerdiol Related Compounds from the Rhizomes of *Zingiber officinale*", Phytochemistry. 31, 1783-1786.
- Kim, B.J., Kim, J.H., Kim, H.P. and Heo, M.Y. 1997. "Biological Screening of 100 Plant Extracts for Cosmetic Use (II): Anti-oxidative Activity and Free Radical Scavenging Activity", Int. J. Cosmetic Sci. 19, 299-307.
- Kinoshita, G., Nakamura, F. and Maruyama, T. 1986. "Immunological Studies on Polysaccharide Fractions from Crude Drugs", Shoyakugaku Zasshi. 40, 325-332. (through napralert database)
- Kiso, Y., Suzuki, Y., Oshima, Y. and Hikino, H. 1983. "Sesquiterpenoids, 59 Sterostructure of Curlone, a Sesquiterpenoid of *Curcuma longa* Rhizomes", Phytochemistry. 22, 596-597.
- Kiuchi, F. 1995. "Studies on the Nematocidal Constituents of Natural Medicines", Nat. Med. 49, 364-372. (through napralert database)
- Kiuchi, F., Nakamura, N. and Tsuda, Y. 1987. "3-Caren-5-One from *Kaempferia galanga*", Phytochemistry. 26, 3350-3351.
- Kiuchi, F., Nakamura, N., Tsuda, Y., Kondo, K. and Yoshimura, H. 1988. "Studies on Crude Drugs Effective on Visceral Larva Migrans II Larvicidal Principles in *Kaempferiae Rhizoma*", Chem. Pharm. Bull. 36, 412-415.
- Kiuchi, F., Shibuya, M. and Sankawa, U. 1982. "Inhibitors of Prostaglandin Biosynthesis from ginger", Chem. Pharm. Bull. 30, 754-757.
- Kondo, A., Ohigashi, H., Murakami, A., Suratwadee, J. and Koshimizu, K. 1993. "1'-Acetoxychavicol Acetate as a Potent Inhibitor of Tumour Promoter-induced Epstein-barr Virus Activation from *Languas galanga*, a Traditional Thai Condiment", Biosci. Biotech. Biochem. 57, 1344-1345. (through napralert database)
- Koshimizu, K., Ohigashi, H., Tokuda, H., Kondo, A. and Yamaguchi, K. 1988. "Screening of Edible Plants Against Possible Antitumour Promoting Activity", Cancer Lett. 39, 247-257. (through napralert database)

- Kosuge, T., Ishida, H. and Yamazaki, H. 1985. "Studies on Active Substances in the Herbs Used for Oketsu ("Stagnant Blood") in Chinese Medicine III on the Anticoagulative Principles in Curcumae Rhizoma", Chem. Pharm. Bull. 33, 1499-1502.
- Kosuge, T., Ishida, H., Yamazaki, H. and Ishii, M. 1984. "Studies on Active Substances in the Herbs Used for Oketsu, Blood Coagulation, in Chinese Medicine I on Anticoagulative Activities of the Herbs for Oketsu", Yakugaku Zasshi. 104, 1050-1053. (through napralert database)
- Kosuge, T., Yokota, M., Sugiyama, K., Saito, M., Iwata, Y., Nakura, M. and Yamamoto, T. 1985. "Studies on Anticancer Principles in Chinese Medicines II Cytotoxic Principles in *Biota Orientalis* (L.) ENDL. and *Kaempferia galanga* L.", Chem. Pharm. Bull. 33, 5565-5567.
- Kubota, K., Nakamura (Murayama), K. and Kobayashi, A. 1998. "Acetoxy-1,8-cineoles as Aroma Constituents of *Alpinia galanga* Willd.", J. Agric. Food Chem. 46, 5244-5247.
- Kubota, K., Someya, Y., Yoshida, R., Kobayashi, A., Morita, T.I. and Koshino, H. 1999. "Enantiomeric Purity and Odor Characteristics of 2-and 3-Acetoxy-1,8-cineoles in the Rhizomes of *Alpinia galanga* Willd.", J. Agric. Food Chem. 47, 685-689. (through napralert database)
- Kuo, M.-L., Huang, T.-S. and Lin, J.-K. 1996. "Curcumin, an Antioxidant and Anti-tumour Promoter, Induces Apoptosis in Human Leukemia Cells", Biochim. Biophys. Acta. 1317, 95-100.
- Lam, L.K.T. and Zheng, B.L. 1991. "Effects of Essential Oils on Glutathione S-transferase Activity in Mice", J. Agric. Food Chem. 39, 660-662. (through napralert database)
- Lee, E. and Surh, Y.-J. 1998. "Induction of Apoptosis in HL-60 cells by Pungent Vanilloids, [6]-Gingerol and [6]-Paradol", Cancer Lett. 134, 163-168.

- Lee, J.H., Kang, S.K. and Ahn, B.Z. 1986. "Antineoplastic Natural Products and the Analogues XI Cytotoxic Activity Against L1210 Cell of some Raw Drugs from the Oriental Medicine and Folklore", Korean J. Pharmacog. 17, 286-291. (through napralert database)
- Lee, S.K., Mbwando, Z.H., Chung, H.S., Luyengi, L., Gamez, E.J.C., Mehta, R.G., Kinghorn, A.D. and Pezzuto, J.M. 1998. "Evaluation of the Antioxidant Potential of Natural Products", Combin Chem High Throughput Screen. 1, 35-46. (through napralert database)
- Lee, Y.B., Kim, Y.S. and Ashmore, C.R. 1986. "Antioxidant Property in Ginger Rhizome and its Application to Meat Products", J. Food Sci. 51, 20-23. (through napralert database)
- Li, A., Yue, G., Li, Y., Pan, X. and Yang, T.-K. 2003. "Total Asymmetric Synthesis of (7S, 9R)-(+)-Bisacumol", Tetrahedron. 14, 75-78.
- Limtrakul, P., Lipigorngoson, S., Namwong, O., Apisariyakul, A. and Dunn, F.W. 1997. "Inhibitory Effect of Dietary Curcumin on Skin Carcinogenesis in Mice", Cancer Lett. 116, 197-203.
- Liu, B.M. and Jinag, W.H. 1993. "Studies on Chemical Structure of Kaempferia-camphor", Fenxi Ceshi Xuebao. 12, 45-48. (through napralert database)
- Mabberley, D.J. 1997. The Plant-Book (a Portable Dictionary of the Vascular Plants). second edition. Cambridge University Press.
- Mackeen, M.M., Ali, A.M., El-Sharkawy, S.H., Manap, M.Y., Salleh, K.M., Lajis, N.H. and Kawazu, K. 1997. "Antimicrobial and Cytotoxic Properties of some Malaysian Traditional Vegetables (Ulam)", Int. J. Pharmacog. 35, 174-178. (through napralert database)
- Mahidol, C. 1985. "Constituents of *Boesenbergia pandurata* (yellow Rhizome) (Zingiberaceae) Part II Additions of Lithio Chloromethyl Phenylsulfoxide to Aldimines and α,β -Unsaturated Compounds", Ph.D. Dissertation, Mahidol University, Bangkok, Thailand. (through napralert database)

- Mahidol, C., Tuntiwachwuttikul, P., Reutrakul, V. and Taylor, W.C. 1984. "Constituents of *Boesenbergia pandurata* (syn. *Kaempferia pandurata*). III Isolation and Synthesis of (+)-Boesenbergin B", Aust. J. Chem. 37, 1739-1745. (through napralert database)
- Martins, A.P., Salgueiro, L., Goncalves, M.J., Cunha, A.P., Vila, R., Cañigueral, S., Mazzoni, V., Tomi, F. and Casanova, J. 2001. "Essential Oil Composition and Antimicrobial Activity of three Zingiberaceae from S. Tomé e Príncipe", Planta Med. 67, 580-584.
- Masuda, T., Isobe, J., Jitoe, A. and Nakatani, N. 1992. "Antioxidative Curcuminoids from Rhizomes of *Curcuma xanthorrhiza*", Phytochemistry. 31, 3645-3647.
- Masuda, T., Maekawa, T., Hidaka, K., Bando, H., Takeda, Y. and Yamaguchi, H. 2001. "Chemical Studies on Antioxidant Mechanism of Curcumin: Analysis of Oxidative Coupling Products from Curcumin and Linoleate", J. Agric. Food Chem. 49, 2539-2547.
- Matsuda, H., Pongpiriyadacha, Y., Morikawa, T., Ochi, M., Yoshikawa, M. 2003. "Gastroprotective Effects of Phenylpropanoids from the Rhizomes of *Alpinia galanga* in Rats: Structural Requirements and Mode of Action", Eur. J. Pharmacol. 47, 59-67.
- Maulik, G., Maulik, N., Bhandari, V., Kagan, V.E., Pakrashi, S. and Das, D.K. 1997. "Evaluation of Antioxidant Effectiveness of a few Herbal Plants", Free Radical Res. 27, 221-228. (through napralert database)
- Maurakami, A., Nakamura, Y., Ohigashi, H. and Koshimizu, K. 1997. "Cancer Chemopreventive Potentials of Edible Thai Plants and some of their Active Constituents", Mem Sch Biol Oriented Sci Technol Kinki Univ. 1, 1-23. (through napralert database)
- Mccarron, M., Mills, A.J., Whittaker, D., Sunny, T.P. and Verghese, J. 1995. "Comparison of the Monoterpenes Derived from Green Leaves and Fresh Rhizomes of *Curcuma longa* L. from India", Flavour Fragrance J. 10, 355-357. (through napralert database)

- Mcgaw, D.R., Yen, I.C. and Dyal, V. 1984. "The Effect of Drying Conditions on the Yield and Composition of the Essential Oil of West Indian Ginger", In Abstracts of 4th Proc. Int. Drying Symp. 2, 612-615. Dept. Chem. Eng. Univ. West Indies St Augustine Trinidad/Tobago. (through napralert database)
- Meena, M.R. and Sethi, V. 1994. "Antimicrobial Activity of Essential Oils from Spices", J. Food Sci. Technol. 31, 68-70. (through napralert database)
- Menon, L.G., Kuttan, R. and Kuttan, G. 1999. "Anti-metastatic Activity of Curcumin and Catechin", Cancer Lett. 141, 159-165.
- Menut, C., Lamaty, G., Bessière, J.-M. and Koudou, J. 1994. "Aromatic Plants of Tropical Central Africa XIII Rhizomes Volatile Components of Two Zingiberales from the Central African Republic", J. Essent. Oil Res. 6, 161-164.
- Merh, P.S., Daniel, M. and Sabnis, S.D. 1986. "Chemistry and Taxonomy of some Members of the Zingiberales", Curr. Sci. 55, 835-839. (through napralert database)
- Millar, J.G. 1998. "Rapid and Simple Isolation of Zingiberene from Ginger Essential Oil", J. Nat. Prod. 61, 1025-1026. (through napralert database)
- Mitra, C.R. 1975. "Important Indian Spices I *Curcuma longa* (Zingiberaceae)", Riechst Aromen Koerperpflegem. 25, 15. (through napralert database)
- Mitsui, S., Kobayashi, S., Naghori, H. and Ogiso, A. 1976. "Constituents from Seeds of *Alpinia galanga* and their Antiulcer Activities", Chem. Pharm. Bull. 24, 2377-2379.
- Miyazawa, M. and Kameoka, H. 1988. "Volatile Flavor Components of Zingiberis Rhizoma (*Zingiber officinale* Roscoe.)", Agric. Biol. Chem. 52, 2961-2963. (through napralert database)
- Moffatt, J., Kennedy, D.O., Kojima, A., Hasuma, T., Yano, Y., Otani, S., Murakami, A., Koshimizu, K., Ohigashi, H. and Matsui-Yuasa, I. 2002. "Involvement of Protein Tyrosine Phosphorylation and Reduction of Cellular Sulphydryl Groups in Cell Death Induced by 1'-Acetoxychavicol Acetate in Ehrlich Ascites Tumour Cells", Chem. Biol. Inter. 139, 215-230.

- Mokkhasmit, M., Ngarmwathana, W., Sawasdimongkol, K. and Permphiphat, U. 1971. "Pharmacological Evaluation of Thai Medicinal Plants (continued)", J. Med. Ass. Thailand. 54, 490-504. (through napralert database)
- Moon, C.K., Park, N.S. and Koh, S.K. 1976. "Studies on the Lipid Components of *Curcuma longa* I the Composition of Fatty Acids and Sterols", Seoul Taehakkyo Yakhak Nonmunjip. 1, 132. (through napralert database)
- Morita, H. and Itokawa, H. 1986. "New Diterpenes from *Alpinia galanga* Willd.", Chem. Left. 1205-1208. (through napralert database)
- Murakami, A., Jiwajiinda, S., Koshimizu, K. and Ohigashi, H. 1995. "Screening for *in vitro* Antitumour Promoting Activities of Edible Plants from Thailand", Cancer Lett. 95, 137-146. (through napralert database)
- Murakami, A., Kondo, A., Nakamura, Y., Ohigashi, H. and Koshimizu, K. 1993. "Possible Antitumour Promoting Properties of Edible Plants from Thailand and Identification of an Active Constituent Cardamonin of *Boesenbergia pandurata*", Biosci. Biotech. Biochem. 57, 1971-1973. (through napralert database)
- Murakami, A., Ohigashi, H. and Koshimizu, K. 1994. "Possible Anti-tumour Promoting Properties of Traditional Thai Food Items and some of their Active Constituents", Asia Pacific J. Clin. Nutr. 3, 185-191.
- Murakami, A., Toyota, K., Ohura, S., Koshimizu, K. and Ohigashi, H. 2000. "Structure-Activity Relationships of (1'S)-1'-Acetoxychavicol Acetate, a Major Constituent of a Southeast Asian Condiment Plant *Languas galanga*, on the Inhibition of Tumour-promoter-induced Epstein-barr Virus Activation", J. Agric. Food Chem. 48, 1518-1523.
- Murakami, T., Inugai, F., Nagasawa, M., Inatomi, H. and Mori, N. 1965. "Water Soluble Constituents of Crude Drugs III Free Amino Acids Isolated from Ginger Rhizome", Yakugaku Zasshi. 85, 845-846. (through napralert database)
- Negi, P.S., Jayaprakasha, G.K., Rao, L.J.M. and Sakariah, K.K. 1999. "Antibacterial Activity of Turmeric Oil: a Byproduct from Curcumin Manufacture", J. Agric. Food Chem. 47, 4297-4300.

- Nguyen, X.D., Nguyen, T.B.T. and Leclercq, P.A. 1995. "Constituents of the Leaf Oil of *Curcuma domestica* L. from Vietnam", J. Essent. Oil Res. 76, 701-703. (through napralert database)
- Nigam, M.C. and Ahmed, A. 1991. "*Curcuma longa* Terpenoid Composition of its Essential Oil", Indian Perfum. 34, 255-257. (through napralert database)
- Nishimura, O. 1995. "Identification of the Characteristic Odorants in Fresh Rhizomes of Ginger (*Zingiber officinale* Roscoe) Using Aroma Extract Dilution Analysis and Modified Multidimensional Gas Chromatography/Mass Spectroscopy", J. Agric. Food Chem. 43, 2941-2945. (through napralert database)
- Noguchi, N., Komuro, E., Niki, E. and Willson, R.L. 1994. "Action of Curcumin as an Antioxidant Against Lipid Peroxidation", J. Jpn. Oil Chem. Soc. (Yukagaku). 43, 1045-1051.
- Nomura, H. 1917. "Pungent Principles of Ginger I a new Ketone, Zingiberone, Occurring in Ginger", Sci Rep Tohoku Imp Univ. 6, 41-52. (through napralert database)
- Nori, T., Sekiya, T., Katoh, M., Oda, Y., Miyase, T., Kuroyanagi, M., Ueno, A. and Fukushima, S. 1988. "Inhibitors of Xanthine Oxidase from *Alpinia galanga*", Chem. Pharm. Bull. 36, 244-248.
- Noro, T., Miyase, T., Kuroyanagi, M., Ueno, A. and Fukushima, S. 1983. "Monoamine Oxidase Inhibitor from the Rhizomes of *Kaempferia galanga* L.", Chem. Pharm. Bull. 31, 2708-2711.
- Ohshiro, M., Kuroyanagi, M. and Ueno, A. 1990. "Structures of Sesquiterpenes from *Curcuma longa*", Phytochemistry. 29, 2201-2205.
- Okuyama, T., Matsuda, M., Masuda, Y., Baba, M., Masubuchi, H., Adachi, M., Okada, Y., Hashimoto, T., Zou, L.B. and Nishino, H. 1995. "Studies on Cancer Biochemoprevention of Natural Resources X Inhibitory Effect of Spices on TPA-enhanced 3H-Choline Incorporation in Phospholipid of C3H10T1/2 Cells and on TPA Induced Ear Edema", Zhonghua Yaoxue Zazhi. 47 (1995), 421-430. (through napralert database)

- Onyenekwe, P.C. and Hashimoto, S. 1999. "The Composition of the Essential Oil of Dried Nigerian Ginger (*Zingiber officinale* Roscoe)", Eur. Food Res. Technol. 209, 407-410.
- Othman, R., Ibrahim, H., Mohd, M.A., Awang, K., Gilani, A.H. and Mustafa, M.R. 2002. "Vasorelaxant Effects of Ethyl Cinnamate Isolated from *Kaempferia galanga* on Smooth Muscles of the Rat Aorta", Planta Med. 68, 655-657.
- Pal, S., Choudhuri, T., Chattopadhyay, S., Bhattacharya, A., Datta, G.K., Das, T. and Sa, G. 2001. "Mechanisms of Curcumin-induced Apoptosis of Ehrlich's Ascites Carcinoma Cells", Biochem. Biophys. Res. Commun. 288, 658-665.
- Pancharoen, O., Picker, K., Reutrakul, V., Taylor, W.C. and Tantiwachwuttikul, P. 1987. "Constituents of the Zingiberaceae X Diastereomers of [7-Hydroxy-5-methoxy-2-methyl-2-(4'-methylpent-3'-enyl)-2H-chromen-8-yl][3''-methyl-2''-(3'''-methylbut-2'''-enyl)-6''-phenylcyclo-hex-3''-enyl]methanone (panduratin B), a Constituent of the Red", Aust. J. Chem. 40, 455-459. (through napralert database)
- Pandji, C., Grimm, C., Wray, V., Witte, L. and Proksch, P. 1993. "Insecticidal Constituents from four Species of the Zingiberaceae", Phytochemistry. 34, 415-419.
- Park, K.-K., Chun, K.-S., Lee, J.-M., Lee, S.S. and Surh, Y.-J. 1998. "Inhibitory Effects of [6]-Gingerol, a Major Pungent Principle of Ginger, on Phorbol Ester-induced Inflammation, Epidermal Ornithine Decarboxylase Activity and Skin Tumour Promotion in ICR Mice", Cancer Lett. 129, 139-144.
- Pathong, A., Tassaneeyakul, W., Kanjanapothi, D., Tantiwachwuttikul, P. and Reutrakul, V. 1989. "Antiinflammatory Activity of 5,7-Dimethoxyflavone", Planta Med. 55 (1989), 133-136. (through napralert database)
- Priyadarshini, K.I. 1997. "Free Radical Reactions of Curcumin in Membrane Models", Free Radical Biol. Med. 23, 838-843.

- Qiao, C.F., Wang, Z.T., Dong, H., Xu, L.S. and Hao, X.J. 2000. "The Chemical Constituents of Black Fruit Galangal (*Alpinia nigra*)", Chung Ts'Ao Yao. 31, 404-405. (through napralert database)
- Ramachandran, C., Fonseca, H.B., Jhabvala, P., Escalon, E.A. and Melnick, S.J. 2002. "Curcumin Inhibits Telomerase Activity through Human Telomerase Reverse Transcriptase in MCF-7 Breast Cancer Cell Line", Cancer Lett. 184, 1-6.
- Rao N.N.A. 1996. "Antioxidant Properties of Curcumin", In Abstracts of the International Symposium on Curcumin Pharmacocchemistry Indonesia: August 29-31, 1995, Yogyakarta: Gadjah Mada University
- Rasmussen, H.B., Christensen, S.B., Kvist, L.P. and Karazmi, A. 2000. "A Simple and Efficient Separation of the Curcumins, the Antiprotozoal Constituents of *Curcuma longa*", Planta Med. 66, 396-398.
- Rath, C.C., Dash, S.K., Mishra, R.K., Ramchandraiah, O.S., Azeemoddin, G. and Charyulu, J.K. 1999. "A Note on the Characterization of Susceptibility of Turmeric (*Curcuma longa*) Leaf Oil Against Shigella Species", Indian Drugs. 36, 133-136. (through napralert database)
- Richmond, R. and Pombo-Villar, E. 1997. "Gas Chromatography Mass Spectrometry Coupled with Pseudo-sadtler Retention Indices for the Identification of Components in the Essential Oil of *Curcuma longa* L.", J. Chromatogr. A. 760, 303-308. (through napralert database)
- Ross, S.A., Megalla, S.E., Bishay, D.W. and Awad, A.H. 1980. "Studies for Determining Antibiotic Substances in some Egyptian Plants Part I Screening for Antimicrobial Activity", Fitoterapia. 51, 303-308. (through napralert database)
- Roth, G.N., Chandra, A. and Nair, M.G. 1998. "Novel Bioactivities of *Curcuma longa* Constituents", J. Nat. Prod. 61, 542-545.
- Roy, A.N., Sinha, B.P. and Gupta, K.C. 1979. "The Inhibitory Effect of Plant Juices on the Infectivity of Top Necrosis Virus of Pea", Indian J. Microbiol. 19, 198-201. (through napralert database)

- Ruangchom, T. and Vinitketkummuen, U. 1993. "Partial Purification of Antimutagenic Substances Against AFB1-Mutagenesis from Greater Galangal (*Alpinia galanga*) and their Possible Mechanism of Inhibition", In Abstracts of 19th Congr. Sci. Technol Thailand. 19, 734. Chiangmai: Dept. Biochem Fac. Med. Chiangmai University. (through napralert database)
- Ruby, A.J., Kuttan, G., Babu, K.D., Rajasekharan, K.N. and Kuttan, R. 1995. "Antitumour and Antioxidant Activity of Natural Curcuminoids", Cancer Lett. 94, 79-83.
- Sakai, Y., Nagase, H., Ose, Y., Sato, T., Kawai, M. and Mizuno, M. 1988. "Effects of Medicinal Plant Extracts from Chinese Herbal Medicines on the Mutagenic Activity of Benzo [A] pyrene", Mutat. Res. 206, 327-334. (through napralert database)
- Sakamura, F. 1987. "Changes in Volatile Constituents of *Zingiber officinale* Rhizomes During Storage and Cultivation", Phytochemistry. 26, 2207-2212.
- Sakamura, F., Ogihara, K., Suga, T., Taniguchi, K. and Tanaka, R. 1986. "Volatile Constituents of *Zingiber officinale* Rhizomes Produced by *in vitro* Shoot Tip Culture", Phytochemistry. 25, 1333-1335.
- Sane, R.T., Phadke, M., Hijli, P.S., Shah, M. and Patel, P.H. 1998. "Geographical Variation Study on Gingerol (a Pungent Principle from *Zingiber officinale*) and Ginger Oil, Using HPTLC Technique and Accelerated Stability Study on Gingerol from *Zingiber officinale* Using HPTLC Method", Indian Drugs. 35, 37-44. (through napralert database)
- Schultz, J.M. and Herrmann, K. 1980. "Occurrence of Hydroxybenzoic Acids and Hydroxycinnamic Acid in Spices IV Phenolics of Spices", Zlebensm Unters Forsch. 171, 193-199. (through napralert database)
- Sekiwa, Y., Kubota, K. and Kobayashi, A. 2000. "Isolation of Novel Glucosides Related to Gingerdiol from Ginger and their Antioxidative Activities", J. Agric. Food Chem. 48, 373-377.

- Sekiwa-Iijima, Y., Aizawa, Y. and Kubota, K. 2001. "Geraniol Dehydrogenase Activity Related to Aroma Formation in Ginger (*Zingiber officinale* Roscoe)", J. Agric. Food Chem. 49, 5902-5906.
- Selvam, R., Subramanian, L., Gayathri, R. and Angayarkanni, N. 1995. "The Antioxidant Activity of Turmeric (*Curcuma longa*)", J. Ethnopharmacol. 47, 59-67. (through napralert database)
- Sharma, J.N., Srivastava, K.C. and Gan, E.K. 1994. "Suppressive Effects of Eugenol and Ginger Oil on Arthritic Rats", Pharmacology. 49, 314-318. (through napralert database)
- Shiba, M., Myata, A., Okada, M. and Watanabe, K. 1986. "Antiulcer Furanogermenone Extraction from Ginger", Patent-Japan Kokai Tokkyo Koho. 61, 4. (through napralert database)
- Shoji, N., Iwasa, A., Takemoto, T., Ishida, Y. and Ohizumi, Y. 1982. "Cardiotonic Principles of Ginger (*Zingiber officinale* Roscoe)", J. Pharm. Sci. 71, 1174-1175.
- Sies, H., ed. 1997. Antioxidants in Disease Mechanism and Therapy, San Diego: Academic Press.
- Simon, A., Allais, D.P., Duroux, J.L., Basly, J.P., Durand-Fontanier, S. and Delage, C. 1998. "Inhibitory Effect of Curcuminoids on MCF-7 Cell Proliferation and Structure-Activity Relationships", Cancer Lett. 129, 111-116.
- Sindhwani, P., Hampton, J.A., Baig, M., Keck, R. and Selman, S.H. 2000. "Curcumin: a Food Spice with Cytotoxic Activity Against Urinary Bladder Cancer", J. Am. Coll. Surg. 191, s94-s95.
- Singhal, P.C. and Joshi, L.D. 1983. "Glycemic and Cholesterolemic Role of Ginger and Til", J. Sci. Res. Pl. Med. 4, 32-34. (through napralert database)
- Sirirugsa, P. 1989. A Taxonomic Survey of Zingiberaceous Species in Southern Thailand. Songkhla: Prince of Songkla University
- Skehan, P., Storeng, R., Scudiero, D., Monks, A., Mc Mahon, J., Vistica, D., Warren, J.T., Bokesch, H., Kenney, S. and Boyd, M.R. 1990. "New Colorimetric Cytotoxicity Assay for Anticancer-drug Screening", J. Natl. Cancer Inst. 82, 1107-1112.

- Smitinand, T. 1980. Thai Plant Names (Botanical Name-Vernacular Names). Bangkok: Funny Publishing.
- Someya, Y., Kobayashi, A. and Kubota, K. 2001. "Isolation and Identification of *trans*-2- and *trans*-3-Hydroxy-1,8-cineole Glucosides from *Alpinia galanga*", Biosci. Biotechnol. Biochem. 65, 950-953.
- Soni, K.B., Lahiri, M., Chakrradeo, P., Bhide, S.V. and Kuttan, R. 1997. "Protective Effect of Food Additives on Aflatoxin Induced Mutagenicity and Hepatocarcinogenicity", Cancer Lett. 115, 129-133. (through napralert database)
- Srinivas, L., Shalini, V.K. and Shylaja, M. 1992. "Turmerin: a Water Soluble Antioxidant Peptide from Turmeric (*Curcuma longa*)", Arch. Biochem. Biophys. 792, 617-623.
- Su, H.C.F., Horvat, R. and Jilani, G. 1982. "Isolation, Purification and Characterization of Insect Repellents from *Curcuma longa* L.", J. Agric. Food Chem. 30, 290-292. (through napralert database)
- Suekawa, M., Yuasa, K., Isono, M. and Sone, H. 1988. "Platelet Aggregation Inhibiting Drug Containing [6]-Shogaol", Patent-Japan Kokai Tokkyo Koho. 72, 4. (through napralert database)
- Suffness, M. and Pezzuto, J.M. 1991. "Assays Related to Cancer Drug Discovery", In Method in Plant Biochemistry, p. 71-133. Hostettmann, K., ed. London: Academic Press.
- Sugaya, A., Tsuda, T., Sugaya, E., Takato, M. and Takamura, K. 1978. "Effects of Chinese Medicine Saiko-Keishi-To on the Abnormal Bursting Activity of Snail Neurons", Planta Med. 34, 294-298. (through napralert database)
- Sugaya, A., Tsuda, T., Sugaya, E., Usami, M. and Takamura, K. 1979. "Local Anaesthetic Action of the Chinese Medicine Saiko-Keishi-To", Planta Med. 37, 274-276. (through napralert database)
- Supat, P. 1961. "Active Principles in *Boesenbergia pandurata*", Master Thesis, Fac. of Science, Chulalongkorn University, Bangkok, Thailand. (through napralert database)

- Suphat, P. 1964. "Active Principles in *Boesenbergia pandurata*", Master Thesis, Chulalongkorn University, Bangkok, Thailand. (through napralert database)
- Supniewski, J.V. and Hano, J. 1935. "The Pharmacological Action of Phenylethylcarbinol and *p*-Toluylmethylcarbinol", Bull Int Acad Pol Sci Lett Cl Med. 573. (through napralert database)
- Surh, Y.-J., Park, K.-K., Chun, K.-S., Lee, J.-M., Lee, E. and Lee, S.S. 1999. "Anti-tumour Promoting Activities of Selected Pungent Substances Present in Ginger", J. Environ. Toxicol. Pathol. Oncol. 18, 131-139.
- Suzuki, J., Murata, I. and Yasuda, I. 2000. "Inhibitory Effects of Thai Curcuma spp. on Movement of Anisakis Simplex and Larvicidal Compound", Tokyo Toritsu Eisei Kenkyusho Kenkyu Nempo. 50, 41-48. (through napralert database)
- Takahashi, M., Osawa, K., Sato, T. and Ueda, J. 1982. "Components of Amino Acids of *Zingiber officinale* Roscoe.", Ann Rep Tohoku Coll Pharm. 29, 75-76. (through napralert database)
- Tanabe, M., Yasuda, M., Adachi, Y. and Kano, Y. 1991. "Capillary GC-MS Analysis of Volatile Components in Japanese Gingers", Shoyakugaku Zasshi. 45, 321-326. (through napralert database)
- Tanaka, T., Kawabata, K., Kakimoto, M., Makita, H., Matsunaga, K., Mori, H., Satoh, K., Hara, A., Murakami, A., Koshimizu, K. and Ohigashi, H. 1997. "Chemoprevention of Azoxymethane-induced Rat Colon Carcinogenesis by a Xanthine Oxidase Inhibitor, 1'-Acetoxychavicol Acetate", Jap. J. Cancer Res. (GANN). 88, 821-830. (through napralert database)
- Taylor, S.J. and McDowell, I.J. 1992. "Determination of the Curcuminoid Pigments in Turmeric (*Curcuma domestica* Val) by Reversed-phase High-performance Liquid Chromatography", Chromatographia. 34, 73-77. (through napralert database)
- Terhune, S.J., Hogg, J.W., Bromstein, A.C. and Lawrence, B.M. 1975. "Four New Sesquiterpene Analogs of Common Monoterpene", Can. J. Chem. 53, 3285-3293. (through napralert database)

- Tiwawech, D., Hirose, M., Futakuchi, M., Lin, C., Thamavit, W., Ito, N. and Shirai, T. 2000. "Enhancing Effects of Thai Edible Plants on 2-Amino-3,8-Dimethylimidazo (4,5-f) Quinoxaline-hepatocarcinogenesis in a Rat Medium-term Biassay", Cancer lett. 158, 195-201. (through napralert database)
- Tjendraputra, E., Tran, V.H., Liu-Brennan, D., Roufogalis, B.D. and Duke, C.C. 2001. "Effect of Ginger Constituents and Synthetic Analogues on Cyclooxygenase-2 Enzyme in Intact Cells", Bioorg. Chem. 29, 156-163.
- Toshihiko, H. 1987. "Cytotoxicity of Carbol Camphor on Cultured Mammalian Cells", Shigaku. 75, 985-996. (through SciFinder Scholar)
- Trakoontivakorn, G., Nakahara, K., Shinmoto, H., Takenaka, M., Onishi Kameyama, M., Ono, H., Yoshida, M., Nagata, T. and Tsushida, T. 2001. "Structural Analysis of a Novel Antimutagenic Compound, 4-Hydroxypanduratin A, and the Antimutagenic Activity of Flavonoids in a Thai Spice Fingerroot (*Boesenbergia pandurata* Schult.) Against Mutagenic Heterocyclic Amines", J. Agric. Food Chem. 49, 3046-3050. (through napralert database)
- Tuntiwachwuttikul, P., Kanghae, S., Jaipetch, T. and Reutrakul, V. 1980. "Chemical Constituents of *Boesenbergia pandurata* Schult.", In Abstracts of 4th Asian Symp. Med. Plants Spices. 4, 77. Bangkok: Dept. Chem. Fac. Sci. Mahidol University. (through napralert database)
- Uehara, S.I., Yasuda, I., Akiyama, K., Morita, H., Takeya, K. and Itokawa, H. 1987. "Diarylheptanoids from the Rhizomes of *Curcuma xanthorrhiza* and *Alpinia officinarum*", Chem. Pharm. Bull. 35, 3298-3304.
- Uehara, S.I., Yasuda, I., Takeya, K. and Itokawa, H. 1992a. "Terpenoids and Curcuminoids of the Rhizoma of *Curcuma xanthorrhiza* Roxb.", Yakugaku Zasshi. 112, 817-823. (through napralert database)
- Uehara, S.I., Yasuda, I., Takeya, K. and Itokawa, H. 1992b. "Comparison on the Commerical Turmeric and its Cultivated Plant by their Constituents", Shoyakugaku Zasshi. 46, 55-61. (through napralert database)

- Van-Beek, T.A., Posthumus, M.A., Lelyveld, G.P., Phiet, H.V. and Yen, B.T. 1987. "Investigation of the Essential Oil of Vietnamese Ginger", Phytochemistry. 26, 3005-3010.
- Variyar, P. S., Gholap, A.S. and Thomas, P. 1997. "Effect of γ -irradiation on the Volatile Oil Constituents of Fresh Ginger (*Zingiber officinale*) rhizome", Food Res. Int. 30, 41-43.
- Verma, S.P., Goldin, B.R. and Lin, P.S. 1998. "The Inhibition of the Estrogenic Effects of Pesticides and Environmental Chemicals by Curcumin and Isoflavonoids", Environ. Health Perspect. 106, 807-812.
- Verma, S.P., Salamone, E. and Goldin, B. 1997. "Curcumin and Genistein, Plant Natural Products, Show Synergistic Inhibitory Effects on the Growth of Human Breast Cancer MCF-7 Cells Induced by Estrogenic Pesticides", Biochem. Biophys. Res. Commun. 233, 692-696.
- Vimala, S., Norhanom, A.W. and Yadav, M. 1999. "Antitumour Promoter Activity in Malaysian Ginger Rhizobia Used in Traditional Medicine", Brit. J. Cancer. 80, 110-116.
- Wu, P., Kuo, M.C. and Ho, C.T. 1990. "Glycosidically Bound Aroma Compounds in Ginger (*Zingiber officinale* Roscoe)", J. Agric. Food Chem. 38, 1553-1555. (through napralert database)
- Wu, T.-S., Wu, Y.-C., Wu, P.-L., Chern, C.-Y., Leu, Y.-L. and Chan, Y.-Y. 1998. "Structure and Synthesis of [n]-Dehydroshogaols from *Zingiber officinale*", Phytochemistry. 48, 889-891.
- Yamada, Y., Kikuzaki, H. and Nakatani, N. 1992. "Identification of Antimicrobial Gingerols from Ginger (*Zingiber officinale* Roscoe)", J. Antibact. Antifung. Agents. 20, 309-311.

- Yamahara, J., Hatakeyama, S., Taniguchi, K., Kawamura, M. and Yoshikawa, M. 1992. "Stomachic Principles in Ginger II Pungent and Antiulcer Effects of low Polar Constituents Isolated from Ginger, the Dried Rhizoma of *Zingiber officinale* Roscoe Cultivated in Taiwan the Absolute Stereostructure of a new Diarylheptanoid", Yakugaku Zasshi. 112, 645-655. (through napralert database)
- Yamahara, J., Rong, H.Q., Naitoh, Y., Kitani, T. and Fujimura, H. 1989. "Inhibition of Cytotoxic Drug Induced Vomiting in Suncus by a Ginger Constituent", J. Ethnopharmacol. 27, 353-355. (through napralert database)
- Yamasaki, K., Hashimoto, A., Kokusenya, Y., Miyamoto, T. and Sato, T. 1994. "Electrochemical Method for Estimating the Antioxidative Effects of Methanol Extracts of Crude Drugs", Chem. Pharm. Bull. 42, 1663-1665.
- Yang, X. and Eilerman, R.G. 1999. "Pungent Principal of *Alpinia galanga* (L.) Swartz and its Applications", J. Agric. Food Chem. 47, 1657-1662.
- Yasuda, K., Tsuda, T., Shimizu, H. and Sugaya, A. 1988. "Multiplication of Curcuma Species by Tissue Culture", Planta Med. 54, 75-79.
- Yeoh, H.H., Wee, Y.C. and Watson, L. 1986. "Taxonomic Variation in total Leaf Protein Amino Acid Compositions of Monocotyledonous Plants", Biochem. Syst. Ecol. 14, 91-96. (through napralert database)
- Yoshida, S., Tazaki, K. and Minamikawa, T. 1975. "Occurrence of Shikimic and Quinic Acids in Angiosperms", Phytochemistry. 14, 195-197. (through napralert database)
- Yoshikawa, M., Hatakeyama, S., Chatani, N., Nishino, Y. and Yamahara, J. 1993a. "Qualitative and Quantitative Analysis of Bioactive Principles in Zingiberis Rhizoma by Means of High Performance Liquid Chromatography and Gas Liquid Chromatography on the Evaluation of Zingiberis Rhizoma and Chemical Change of Constituents During", Yakugaku Zasshi. 113, 307-315. (through napralert database)

- Yoshikawa, M., Chatani, N., Hatakeyama, S., Nishino, Y., Yamahara, J. and Murakami, N. 1993b. "Crude Drug Processing by Far-infrared Treatment II Chemical Fluctuation of the Constituents During the Drying of Zingiberis Rhizoma", Yakugaku Zasshi. 113, 712-717. (through napralert database)
- Yu, Z.F., Kong, L.D. and Chen, Y. 2002. "Antidepressant Activity of Aqueous Extracts of *Curcuma longa* in Mice", J. Ethnopharmacol. 83, 161-165.