

Original Papers in Peer Reviewed Journals

Secondary metabolites from the leaves of *Juglans regia* L.

Schwindl S., Kraus B., Heilmann J.

Biochemical Systematics and Ecology, *in press* (2019)

Dioic acid glycosides, tannins and methylated ellagic acid glycosides from *Morella salicifolia* bark

Makule E., Kraus B., Jürgenliemk G., Heilmann J., Wiesneth S.

Phytochemistry Letters 28, 76-83 (2018)

Design and biological evaluation of tetrahydro- β -carboline derivatives as highly potent histone deacetylase 6 (HDAC6) inhibitors

Leonhardt M., Sellmer A., Krämer O.H., Dove S., Elz S., Kraus B., Beyer M., Mahboobi S.

European Journal of Medicinal Chemistry 152, 329-357 (2018)

Phytochemical study of *Juglans regia* L. leaves

Schwindl S., Kraus B., Heilmann J.

Phytochemistry 144, 58-70 (2017)

Diarylheptanoid Glycosides of *Morella salicifolia* Bark

Makule E., Schmidt T.J., Heilmann J., Kraus B.

Molecules 22(12), 2266 (2017)

Revisited anti-inflammatory activity of matricine in vitro: Comparison with chamazulene

Flemming M., Kraus B., Rasclé A., Jürgenliemk G., Fuchs S., Fürst R., Heilmann J.

Fitoterapia 106, 122-8 (2015)

In vitro structure-toxicity relationship of chalcones in human hepatic stellate cells

Zenger K., Dutta S., Wolff H., Genton M.G., Kraus B.

Toxicology 336, 26-33 (2015)

Biotransformation of Flavokawains A, B, and C, Chalcones from Kava (*Piper methysticum*), by Human Liver Microsomes

Zenger K., Agnolet S., Schneider B., Kraus B.

Journal of Agricultural and Food Chemistry 63(28), 6376-85 (2015)

Synthesis, Crystal Structure and Biological Activity Screening of Novel N-(α -Bromoacyl)- α -amino Esters Containing Valyl Moiety

Yancheva D., Cherneva E., Quick M., Mikhova B., Shivachev B., Nikolova R., Djordjevic A., Untergehrer M., Jürgenliemk G., Kraus B., Smelcerovic A.

Acta Chimica Slovenica 62(3), 689-99 (2015)

Effect of choline carboxylate ionic liquids on biological membranes

Rengstl D., Kraus B., Van Vorst M., Elliott G.D., Kunz W.
Colloids and Surfaces B: Biointerfaces 123, 575-81 (2014)

Aqueous extracts of the marine brown alga *Lobophora variegata* inhibit HIV-1 infection at the level of virus entry into cells

Kremb S., Helfer M., Kraus B., Wolff H., Wild C., Schneider M., Voolstra C., Brack-Werner R.
PLoS One 9(8):e103895 (2014)

Biodegradability and cytotoxicity on human cell lines of choline soaps: effects of chain length and cation

Klein R., Maurer E., Kraus B., Brunner G., Estrine B., Touraud D., Heilmann J., Kellermeier M., Kunz W.
RSC Advances 3(45), 23347-23354 (2013)

In-vitro stability and metabolism of a tacrine-silybinin codrug

Zenger K., Chen X., Decker M., Kraus B.
Journal of Pharmacy and Pharmacology 65(12), 1765-1772 (2013)

Hybrid bioactive hydrogels containing single-walled carbon nanotubes covalently integrated via strain-promoted azide-alkyne cycloaddition

Bachl J., Huber T., Kühbeck D., Schön E.-M., Brunner G., Kraus B., Heilmann J., Codelli J. A., Bertozzi C. R., Cativiela C., Díaz Díaz D.
Nanoscience & Nanotechnology-Asia 2, 200-209 (2012)

A Tacrine-Silibinin Co-Drug Shows Neuro- and Hepatoprotective Effects In Vitro and Pro-Cognitive and Hepatoprotective Effects In Vivo

Chen X., Zenger K., Lupp A., Kling B., Heilmann J., Fleck C., Kraus B., Decker M.
Journal of Medicinal Chemistry 55(11), 5231-5242 (2012)

Acyloxybutadiene Tricarbonyl Iron Complexes as Enzyme-Triggered CO-Releasing Molecules (ET-CORMs): A Structure-Activity-Relationship Study

Romanski S., Kraus B., Schlundt W., Guttentag M., Adler A., Neudörfel J.M., Alberto R., Amslinger S., Schmalz H.G.
Dalton Transactions 41(45), 13862-13875 (2012)

Contribution of flavonoids and catechol to the reduction of ICAM-1 expression in endothelial cells by a standardized Willow bark extract

Freischmidt A., Jürgenliemk G., Kraus B., Okpanyi S.N., Müller J., Kelber O., Weiser D., Heilmann J.
Phytomedicine 19(3-4), 245-252 (2012)

Pitfalls in cell culture work with xanthohumol

Motyl M., Kraus B., Heilmann J.
Pharmazie 67, 91-94 (2012)

Xanthohumol uptake and intracellular kinetics in hepatocytes, hepatic stellate cells and intestinal cells

Wolff H., Motyl M., Hellerbrand C., Heilmann J., Kraus B.

Journal of Agricultural and Food Chemistry 59(24), 12893-12901 (2011)

Acyloxybutadiene–Iron Tricarbonyl Complexes as Enzyme-Triggered CO-Releasing Molecules

Romanski S., Kraus B., Schatzschneider U, Neudörfl J.M., Amslinger S., Schmalz H.G.

Angewandte Chemie International Edition in English 50(10), 2392-6 (2011)

Hyperforin is a modulator of inducible nitric oxide synthase and phagocytosis in microglia and macrophages

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Naunyn-Schmiedeberg's Archives of Pharmacology 381(6), 541-53 (2010)

Xanthohumol, a chalcone from hops, inhibits hepatic inflammation and fibrosis

Dorn C, Kraus B, Motyl M, Weiss TS, Gehrig M, Schölmerich J, Heilmann J, Hellerbrand C.

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Design and synthesis of tacrine-ferulic acid hybrids as multi-potent anti-Alzheimer drug candidates

Fang L., Kraus B., Lehmann J., Heilmann J., Zhang Y., Decker M.

Bioorganic & Medicinal Chemistry Letters 18(9), 2905-9 (2008)

Design, synthesis and pharmacological evaluation of hybrid molecules out of quinazolinimines and lipoic acid lead to highly potent and selective butyrylcholinesterase inhibitors with antioxidant properties

Decker M., Kraus B., Heilmann J.

Bioorganic & Medicinal Chemistry 16(8), 4252-61 (2008)

Influence of *Hypericum perforatum* extract and its single compounds on amyloid-beta mediated toxicity in microglial cells

Kraus B., Wolff H., Heilmann J., Elstner E.F.

Life Sciences 81(11), 884-94 (2007)

Non Peer Reviewed Articles

Progress in live-cell imaging and screening applications using Definite Focus

Wolff H., Zenger K., Kraus B.

Biotechniques 47(5), 976–978 (2009)

High Content Analyse – Anwendungen in der Pharmazeutischen Biologie

Kraus B.

Fachbeitrag auf www.analytik-news.de, 04.03.2009

http://www.analytik-news.de/Fachartikel/Volltext/UniRegensburg_Kraus.pdf

High Content Analysis with AxioVision ASSAYbuilder™: Applications in Pharmaceutical Biology

Kraus B., Wolff H.

Biotechniques 44(6), 820-3 (2008)

Book Chapter

Linear fluorescence unmixing in cell biological research

Kraus B., Ziegler M. and Wolff H.

In: Méndez-Vilas A., Díaz J. (Eds.) Modern Research and Educational Topics in Microscopy, Vol. 2, Formatex, Bandajoz, Spain, pp 863-872 (2007)