Metabolomics of Fuzi-Gancao on Acute Liver Injury Induced by CCI2





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#### Bile Acids Metabonomic Study on the CCl4- and $\alpha$ ...

https://pubs.acs.org/doi/10.1021/tx800225q

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Bile acids (BAs) are crucial for the diagnosis, follow-up, and prognostics of liver and intestinal disorders and other diseases affecting BA metabolism. A rapid, simple, and sensitive analytical method is needed to demonstrate the full metabolic profile and simultaneously determine the individual BAs in biological samples. In our present study, an ultraperformance liquid chromatography-mass ...

Cited by: 120 Author: Li Yang, Aizhen Xiong, Yuqi He, Zaiyong Wa...

Publish Year: 2008

#### Comprehensive analysis of alterations in lipid and bile ...

https://link.springer.com/article/10.1007/s11306-014-0665-7 •

May 06, 2014 · Understanding mechanisms of liver injury can enable better preclinical testing and clinical management of patients. Carbon tetrachloride (CCI4), used extensively as a model hepatotoxicant, induces lipid perturbation and increases in plasma bile acids (BAs). An integrated transcriptomics and metabolomics approach was employed to investigate CCI4-induced alterations in ...

Author: Jinchun Sun, Thomas Schmitt, Laura K. Sc... Cited by: 3

Publish Year: 2014

#### IJMS | Free Full-Text | Radix Paeoniae Rubra and Radix ...

https://www.mdpi.com/1422-0067/13/11/14634/html -

Metabolomics has been frequently used in pharmacodynamic studies, especially those on traditional Chinese medicine (TCM). Radix Paeoniae Alba and Radix Paeoniae Rubra are popularly used in TCM, and both have hepatoprotective effects. In this study, a CCI4-induced acute liver injury rat model was established and confirmed by the observed serum aminotransferase activities. The metabolomics ...

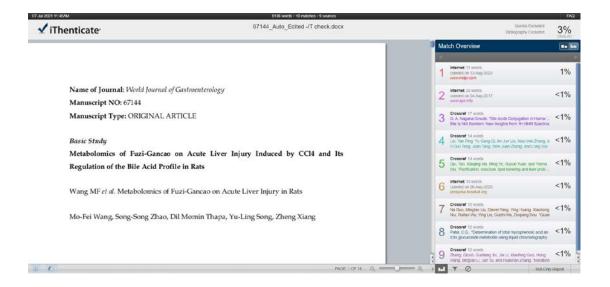
Cited by: 25 Author: Rui Wang, Ai-zhen Xiong, Zhong-Qiu Teng, ...

Publish Year: 2012

#### Liver metabolomics study reveals protective function of ...

https://www.researchgate.net/publication/319085266...

Request PDF | Liver metabolomics study reveals protective function of Phyllanthus urinaria against CCI 4 -induced liver injury | Phyllanthus Urinaria L. (PUL) is a traditional Chinese medicine ...





### Metabolomics of Fuzi-Gancao on acute liver injury induced by CCl<sup>2</sup>







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## Metabonomics study of the effects of pretreatment with ...

https://www.sciencedirect.com/science/article/pii/S0378874114003778

Jul 03, 2014 - Ethnopharmacological relevance. Aconitum carmichaelii Debx. (Fuzi), a commonly use traditional Chinese medicine (TCM), has often been used in combination with Rhizoma Glycyrrhizae (Gancao) to reduce its toxicity due to diester diterpenoid alkaloids aconitine, mesaconitine, and hypaconitine. However, the mechanism of detoxication is still unclear.

Cited by: 14 Author: Bo Sun, Ming Zhang, Qi Zhang, Kunpeng ...

Publish Year: 2014

## Investigation of the therapeutic effect of Shaoyao Gancao ...

https://www.researchgate.net/publication/342756081...

Shaoyao Gancao decoction (SGD) is a famous Chinese traditional prescription for treating liver injury. In this research, we investigated the liver protective effects of SGD and its metabolic ...

## NMR-based metabonomics study on the effect of Gancao in ...

https://www.researchgate.net/publication/309200196...

Request PDF | NMR-based metabonomics study on the effect of Gancao in the attenuation of toxicity in rats induced by Fuzi | Ethnopharmacological relevance: Fuzi, the processed lateral root of ...

# Metabonomics study of the effects of pretreatment with ...

https://www.researchgate.net/publication/262383510...

Conclusions: Gancao treatment mitigated the metabolic changes altered by Fuzi administration in rats, demonstrating that dosing with Gancao could reduce the toxicity of Fuzi at the metabolic level.

# Chaihu-Shu-Gan-San regulates phospholipids and bile acid ... https://www.sciencedirect.com/science/article/pii/S1570023217306670

Oct 01, 2017 - The established liver-targeted metabonomics using RP and HILIC coupled with mass spectrometry were applied to investigate the protection of CSGS against hepatic injury of rat with CUMS treatment. The chromatograms of representative liver samples from rats both in positive and negative ion scan modes were shown in Fig. S2. The metabolic profiles of liver samples from CUMS-treated rats ...

Cited by: 19 Author: Hong-mei Jia, Meng Yu, Li-Yan Ma, Hong...

Publish Year: 2017