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Name of Journal: *World Journal of Hepatology*

Manuscript NO: 39857

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Experimental Bio-Artificial Liver: importance of the architectural design on ammonia detoxification performance

María Dolores Pizarro, María Eugenia Mamprin, Lucas Damián Daurelio, Joaquín Valentín Rodríguez, María Gabriela Mediavilla

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The research and development of extracorporeal **bioartificial liver** is gaining pace ... types of cell used in current reactor **designs**, the state-of-the-art culturing and ... with the **important** ones being accumulation of **ammonia**, ... understanding that **detoxification** alone is not sufficient to bioreactor to improve the **performance**.

Bioartificial liver support - Hui - 2001 - Journal of Hepato-Biliary ...<https://onlinelibrary.wiley.com/doi/full/10.1007/s005340170045> ▼ [翻译此页](#)作者: T Hui - 2001 - [被引用次数: 105](#) - [相关文章](#)

In this article, we will review the history of **artificial liver** support systems and ... based on artificial kidney dialysis principles and relied mainly on blood **detoxification**; ... Kiley et al.5 demonstrated that **ammonia** could be effectively removed in Eck resemble the **architecture** of a liver, such as the **design** by Gerlach et al.,81 in ...

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Fulminant hepatic failure (FHF) is an **important** cause of death worldwide. ... With a view to this, **bioartificial liver** support devices have been developed which replace the synthetic metabolic thesis