

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 46556

Manuscript Type: OPINION REVIEW

Microbial metabolites in non-alcoholic fatty liver disease

Zhou D *et al.* Metabolites in NAFLD

Da Zhou, Jian-Gao Fan

Abstract

22 The prevalence of non-alcoholic fatty liver disease (NAFLD) is rising exponentially worldwide. The spectrum of NAFLD includes non-alcoholic fatty liver, non-alcoholic steatohepatitis, liver cirrhosis and even hepatocellular carcinoma. Evidence shows that microbial metabolites play pivotal roles in the onset and progression of NAFLD. In this review, we discuss how 1 microbe-derived metabolites, such as short-chain fatty acids, endogenous ethanol, bile acids and so forth, contribute to the pathogenesis of NAFLD.

Key words: Microbial metabolites; Non-alcoholic steatohepatitis; Short-chain fatty acids

8 © The Author(s) 2019. Published by Baishideng Publishing Group Inc. All rights reserved.

Match Overview

1	Internet 51 words crawled on 06-Sep-2018 www.esp.org	1%
2	Internet 33 words crawled on 13-May-2016 f1000.com	1%
3	Crossref 32 words Auld, Doug, Wendy Lea, Mindy I. Davis, and Anton Sime ... nov. "Literature Search and Review", <i>Assay and Drug Dev</i>	1%
4	Internet 32 words crawled on 14-Mar-2019 aasldpubs.onlinelibrary.wiley.com	1%
5	Internet 30 words crawled on 08-Mar-2019 www.mdpi.com	1%
6	Internet 25 words crawled on 14-Dec-2016 www.intechopen.com	1%
7	Internet 24 words crawled on 10-Dec-2016 communitynetwork.vcu.edu	1%
8	Internet 21 words crawled on 25-Dec-2016 office.wjgnet.com	1%
9	Crossref 18 words M.-E. Dumas. "Metabolic profiling reveals a contribution of	<1%

[全部](#)[新闻](#)[图片](#)[视频](#)[购物](#)[更多](#)[设置](#)[工具](#)

找到约 933,000 条结果 (用时 0.60 秒)

Google 学术: Microbial metabolites in nonalcoholic fatty liver disease

... activity and improve nonalcoholic fatty liver disease - Li - 被引用次数: 941

... of gut microbiota to fatty liver phenotype in insulin- ... - Dumas - 被引用次数: 878

... between the intestinal microbiome and liver diseases - Schnabl - 被引用次数: 401

Gut Microbial Metabolism and Nonalcoholic Fatty Liver Disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6312661/> - 翻译此页

作者: SR Sharpton - 2019 - 相关文章

Unsurprisingly, the gut microbiome has been implicated in the development of chronic liver diseases, including nonalcoholic fatty liver disease (NAFLD). Here ...

Role of gut microbial metabolites in nonalcoholic fatty liver disease.

<https://www.ncbi.nlm.nih.gov/pubmed/30706694> - 翻译此页

作者: ZH Zhao - 2019 - 相关文章

Role of gut microbial metabolites in nonalcoholic fatty liver disease. ... Nonalcoholic fatty liver disease (NAFLD) is a common, multifactorial liver disease and has emerged as a global challenge due to the increasing prevalence and lack of sustainable treatment options.

Role of gut microbial metabolites in nonalcoholic fatty liver disease ...

https://www.researchgate.net/.../320780964_Role_of_gut_microbial_metabo... - 翻译此页

2019年2月3日 - Nonalcoholic fatty liver disease (NAFLD) is a common, multifactorial liver disease and has emerged as a global challenge due to the increasing ...

(PDF) Gut Microbial Metabolism and Nonalcoholic Fatty Liver Disease

https://www.researchgate.net/.../329378877_Gut_Microbial_Metabolism_an... - 翻译此页

2019年1月10日 - PDF | The gut microbiome, the multispecies community of microbes that exists in the gastrointestinal tract, encodes several orders of magnitude ...

Role of gut microbial metabolites in nonalcoholic fatty liver disease ...

<https://onlinelibrary.wiley.com/doi/abs/10.1111/1751-2980.12709> - 翻译此页

[全部](#)[新闻](#)[图片](#)[视频](#)[购物](#)[更多](#)[设置](#)[工具](#)

找到约 8,050,000 条结果 (用时 0.53 秒)

Google 学术: Microbial metabolites in non-alcoholic fatty liver disease

... and **metabolism** in children with **non-alcoholic fatty liver** ... - Michail - 被引用次数: 81

... **liver** axis, nutrition, and **non-alcoholic fatty liver disease** - Kirpich - 被引用次数: 94

... and management of **non-alcoholic fatty liver disease** ... - Parnell - 被引用次数: 123

Gut Microbial Metabolism and Nonalcoholic Fatty Liver Disease. - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/30619992> - 翻译此页

作者: SR Sharpton - 2018 - 相关文章

Hepatol Commun. 2018 Dec 3;3(1):29-43. doi: 10.1002/hep4.1284. eCollection 2019 Jan. Gut

Microbial Metabolism and **Nonalcoholic Fatty Liver Disease**.

Gut Microbial Metabolism and Nonalcoholic Fatty Liver Disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6312661/> - 翻译此页

作者: SR Sharpton - 2019 - 相关文章

Unsurprisingly, the gut microbiome has been implicated in the development of chronic **liver diseases**, including **nonalcoholic fatty liver disease** (NAFLD). ... Gut **microbial metabolism** and its effect on human health. The influence of gut **microbial metabolism** in the pathogenesis of NAFLD.

Role of gut microbial metabolites in nonalcoholic fatty liver disease.

<https://www.ncbi.nlm.nih.gov/pubmed/30706694> - 翻译此页

作者: ZH Zhao - 2019 - 相关文章

J Dig Dis. 2019 Jan 31. doi: 10.1111/1751-2980.12709. [Epub ahead of print]. Role of gut **microbial**

metabolites in nonalcoholic fatty liver disease. Zhao ZH(1) ...

Gut microbiome, microbial metabolites and the development of NAFLD ...

<https://www.nature.com> > ... > news & views - 翻译此页

2018年8月29日 - An altered gut microbiome and its derived **metabolites** can facilitate the development of hepatic **steatosis** in patients at risk of **nonalcoholic fatty liver disease** (NAFLD). A new gut microbiome signature derived from metagenomic and phenomic data might have potential for the



国内版

国际版

Microbial metabolites in non-alcoholic fatty liver disease



All

Images

Videos

翻译成中文

关闭取词

105,000 Results

Any time ▾

The gut microbiota of nonalcoholic fatty liver disease ...

www.ncbi.nlm.nih.gov › Journal List › Springer Open Choice

Jun 12, 2015 · **Nonalcoholic fatty liver disease (NAFLD)**, the hepatic manifestation of the **metabolic syndrome** [1], is characterized by hepatic **fat** accumulation in the absence of significant **alcohol** consumption, viral **infection**, or other **liver disorders** [2].

Cited by: 14

Author: Niels van Best, Peter L. Jansen, Sander ...

Publish Year: 2015

Sphingolipid metabolism in non-alcoholic fatty liver diseases

<https://www.sciencedirect.com/science/article/pii/S0300908418302165>

Non-alcoholic fatty liver disease (NAFLD) represents a major **chronic liver disease** worldwide, characterized as progressive and developing in different stages. The first stage is **hepatic steatosis** and is highly prevalent (15%–25% of the urban population) [32].

Cited by: 1

Author: Marion Régner, Amaud Polizzi, Hervé Gu...

Publish Year: 2018

Gut Microbial Metabolism and Nonalcoholic Fatty Liver ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/10.1002/hep4.1284>

Non-Alcoholic Fatty Liver Disease; **Nutritional and Metabolic Liver Diseases**; **Portal Hypertension**; ... Improved knowledge of the contribution of gut **microbial metabolism** to **liver** health could yield the foundation for the development of novel microbiota – targeted precision interventions for the treatment or management of NAFLD.

Author: Suzanne R. Sharpton, Germaine J.M. ... Publish Year: 2019

Genetics, human metabolism and non-alcoholic fatty liver ...

<https://atlasofscience.org/genetics-human-metabolism-and-non...> ▾

Mar 26, 2019 · Role of genetics and **metabolism** in non-alcoholic **fatty liver disease**. ... 2018 Jun.

Read offline: Related Articles: Risk of non-alcoholic **fatty liver disease** in... In this modern world non-alcoholic **fatty liver disease (NAFLD)** is one of the most common forms of chronic **liver disease**. ... alcohol alzheimer's **disease** **bacteria** blood ...

Related searches

non alcoholic fatty liver disease **treatment**non alcoholic fatty liver disease **diet****treatment** for fatty liver disease in **women****moderate drinking with** fatty liverfatty liver **treatment**