

Nathan A Davies

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,453
citations

471509

17
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

1925
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathophysiological effects of albumin dialysis in acute-on-chronic liver failure: A randomized controlled study. <i>Liver Transplantation</i> , 2004, 10, 1109-1119.	2.4	272
2	Alterations in the functional capacity of albumin in patients with decompensated cirrhosis is associated with increased mortality. <i>Hepatology</i> , 2009, 50, 555-564.	7.3	208
3	Evidence of neutrophil functional defect despite inflammation in stable cirrhosis. <i>Journal of Hepatology</i> , 2011, 55, 574-581.	3.7	154
4	Prevention of acute kidney injury in a rodent model of cirrhosis following selective gut decontamination is associated with reduced renal TLR4 expression. <i>Journal of Hepatology</i> , 2012, 56, 1047-1053.	3.7	114
5	Effect of albumin dialysis on intracranial pressure increase in pigs with acute liver failure: A randomized study*. <i>Critical Care Medicine</i> , 2006, 34, 158-164.	0.9	81
6	L-ornithine and phenylacetate synergistically produce sustained reduction in ammonia and brain water in cirrhotic rats. <i>Hepatology</i> , 2009, 50, 155-164.	7.3	79
7	Immunomodulatory and antioxidant function of albumin stabilises the endothelium and improves survival in a rodent model of chronic liver failure. <i>Journal of Hepatology</i> , 2015, 62, 799-806.	3.7	73
8	Extracorporeal liver assist device to exchange albumin and remove endotoxin in acute liver failure: Results of a pivotal pre-clinical study. <i>Journal of Hepatology</i> , 2015, 63, 634-642.	3.7	56
9	Impaired brain glymphatic flow in experimental hepatic encephalopathy. <i>Journal of Hepatology</i> , 2019, 70, 40-49.	3.7	55
10	Effect of toll-like receptor 7 and 9 targeted therapy to prevent the development of hepatocellular carcinoma. <i>Liver International</i> , 2015, 35, 1063-1076.	3.9	53
11	Artificial Liver Support Systems in the Management of Complications of Cirrhosis. <i>Seminars in Liver Disease</i> , 2008, 28, 096-109.	3.6	43
12	A Computational Model of Hepatic Energy Metabolism: Understanding Zonated Damage and Steatosis in NAFLD. <i>PLoS Computational Biology</i> , 2016, 12, e1005105.	3.2	39
13	Circulating microRNAs Reveal Time Course of Organ Injury in a Porcine Model of Acetaminophen-Induced Acute Liver Failure. <i>PLoS ONE</i> , 2015, 10, e0128076.	2.5	29
14	A Double-Blind, Randomized Placebo-Controlled Trial of Probiotic <i>Lactobacillus casei</i> Shirota in Stable Cirrhotic Patients. <i>Nutrients</i> , 2020, 12, 1651.	4.1	27
15	Ammonia mediates cortical hemichannel dysfunction in rodent models of chronic liver disease. <i>Hepatology</i> , 2017, 65, 1306-1318.	7.3	26
16	Liver Replacement Therapy. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2012, 33, 70-79.	2.1	23
17	Systemic inflammation and oxidative stress post-lung resection: Effect of pretreatment with N-acetylcysteine. <i>Respirology</i> , 2016, 21, 180-187.	2.3	17
18	A comparative study of blood endotoxin detection in haemodialysis patients. <i>Journal of Inflammation</i> , 2016, 13, 24.	3.4	15

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19	Hepatic guanylate cyclase activity is decreased in a model of cirrhosis: A quantitative cytochemistry study. <i>FEBS Letters</i> , 2006, 580, 2123-2128.	2.8	13
20	Abnormal brain oxygen homeostasis in an animal model of liver disease. <i>JHEP Reports</i> , 2022, , 100509.	4.9	13
21	Expression of TLR-2 in hepatocellular carcinoma is associated with tumour proliferation, angiogenesis and Caspase-3 expression. <i>Pathology Research and Practice</i> , 2020, 216, 152980.	2.3	12
22	Liver function as an engineering system. <i>AIChE Journal</i> , 2016, 62, 3285-3297.	3.6	9
23	Use of Caval Subtraction 2D Phase-Contrast MR Imaging to Measure Total Liver and Hepatic Arterial Blood Flow: Preclinical Validation and Initial Clinical Translation. <i>Radiology</i> , 2016, 280, 916-923.	7.3	8
24	Sarcopenia in liver cirrhosis: Prevalence, pathophysiology and therapeutic strategies. <i>Analytical Biochemistry</i> , 2022, 647, 114581.	2.4	8
25	Inhibition of TLR7 and TLR9 Reduces Human Cholangiocarcinoma Cell Proliferation and Tumor Development. <i>Digestive Diseases and Sciences</i> , 2022, 67, 1806-1821.	2.3	6
26	Computational Modeling of Fructose Metabolism and Development in NAFLD. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 762.	4.1	4
27	Cardiac-induced liver deformation as a measure of liver stiffness using dynamic imaging without magnetization tagging—a preclinical proof-of-concept, clinical translation, reproducibility and feasibility in patients with cirrhosis. <i>Abdominal Radiology</i> , 2021, 46, 4660-4670.	2.1	4
28	Systemic Endotoxin in Peritoneal Dialysis Patients. <i>Peritoneal Dialysis International</i> , 2018, 38, 381-384.	2.3	3
29	Haemodynamic changes in cirrhosis following terlipressin and induction of sepsis—a preclinical study using caval subtraction phase-contrast and cardiac MRI. <i>European Radiology</i> , 2021, 31, 2518-2528.	4.5	3
30	Pilot study to investigate differences in middle molecules, oxidative stress and markers of peripheral vascular disease in patients treated by high flux haemodialysis and haemodiafiltration. <i>PLoS ONE</i> , 2021, 16, e0258223.	2.5	3
31	Albumin Regeneration for Extracorporeal Liver Support Using Prometheus: A Step in the Right Direction. <i>Gastroenterology</i> , 2012, 142, 690-692.	1.3	2