

# Christopher F Rose

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2324805/publications.pdf>

Version: 2024-02-01

99  
papers

4,377  
citations

94433

37  
h-index

110387

64  
g-index

102  
all docs

102  
docs citations

102  
times ranked

3498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heretical thoughts into hepatic encephalopathy. <i>Journal of Hepatology</i> , 2022, 77, 539-548.	3.7	23
2	Amino acids, ammonia, and hepatic encephalopathy. <i>Analytical Biochemistry</i> , 2022, 649, 114696.	2.4	10
3	Elevated Serum Liver-Type Fatty Acid Binding Protein Levels in Non-acetaminophen Acute Liver Failure Patients with Organ Dysfunction. <i>Digestive Diseases and Sciences</i> , 2021, 66, 273-283.	2.3	8
4	Erroneous Ammonia Measurement is Not Synonymous With a Lack of Efficacy of Ammonia-Lowering Therapies in Hepatic Encephalopathy. <i>Clinical Gastroenterology and Hepatology</i> , 2021, 19, 2456-2457.	4.4	4
5	Bile duct ligation renders the brain susceptible to hypotension-induced neuronal degeneration: Implications of ammonia. <i>Journal of Neurochemistry</i> , 2021, 157, 561-573.	3.9	10
6	Judging the value of ammonia measurement on lactulose dosing: Apples and oranges?. <i>Canadian Liver Journal</i> , 2021, 4, 72-74.	0.9	2
7	Genetically engineered <i>E. coli</i> Nissle attenuates hyperammonemia and prevents memory impairment in bile duct ligated rats. <i>Liver International</i> , 2021, 41, 1020-1032.	3.9	10
8	2021 ISHEN guidelines on animal models of hepatic encephalopathy. <i>Liver International</i> , 2021, 41, 1474-1488.	3.9	34
9	Hepatic Encephalopathy: From Metabolic to Neurodegenerative. <i>Neurochemical Research</i> , 2021, 46, 2612-2625.	3.3	21
10	A novel microRNA-based prognostic model outperforms standard prognostic models in patients with acetaminophen-induced acute liver failure. <i>Journal of Hepatology</i> , 2021, 75, 424-434.	3.7	23
11	Hepatic encephalopathy: Novel insights into classification, pathophysiology and therapy. <i>Journal of Hepatology</i> , 2020, 73, 1526-1547.	3.7	219
12	Plasmatic osmolality and hepatic encephalopathy: A new player on the field?. <i>Liver International</i> , 2020, 40, 1826-1828.	3.9	0
13	Hepatic Encephalopathy, Sarcopenia, and Frailty. , 2020, , 247-263.		1
14	Impact of uric acid on liver injury and intestinal permeability following resuscitated hemorrhagic shock in rats. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 89, 1076-1084.	2.1	7
15	SAT-015-Sarcopenia is associated with a worst prognosis in cirrhotic patients in the context of liver transplantation. <i>Journal of Hepatology</i> , 2019, 70, e632.	3.7	0
16	The Hepatokine TSK does not affect brown fat thermogenic capacity, body weight gain, and glucose homeostasis. <i>Molecular Metabolism</i> , 2019, 30, 184-191.	6.5	19
17	An Investigation of PS- <i>b</i> -PEO Polymersomes for the Oral Treatment and Diagnosis of Hyperammonemia. <i>Small</i> , 2019, 15, e1902347.	10.0	22
18	PS-097-The association between liver type fatty acid binding protein serum levels and clinical outcomes in patients with non-acetaminophen acute liver failure: A cohort study. <i>Journal of Hepatology</i> , 2019, 70, e62.	3.7	0

#	ARTICLE	IF	CITATIONS
19	P: 83â€fObesity Accelerates and Exacerbates Neurological Impairments Associated to Hepatic Encephalopathy in Chronic Liver Disease. American Journal of Gastroenterology, 2019, 114, S40-S40.	0.4	0
20	P: 82â€fGenetically Engineered E. coli Nissle Attenuates Hyperammonemia and Improves Memory in an Experimental Model of Cirrhosis and Hepatic Encephalopathy. American Journal of Gastroenterology, 2019, 114, S39-S40.	0.4	0
21	P: 4â€fUncovering Sex-based Differences in a Rat Model of Chronic Liver Disease and Hepatic Encephalopathy. American Journal of Gastroenterology, 2019, 114, S2-S2.	0.4	0
22	P: 69â€fSarcopenia Pre- and Post-liver Transplantation: Implication for Hepatic Encephalopathy. American Journal of Gastroenterology, 2019, 114, S36-S36.	0.4	0
23	P: 50â€fDeveloping a New Animal Model of Episodic Hepatic Encephalopathy. American Journal of Gastroenterology, 2019, 114, S25-S26.	0.4	0
24	Progressive resistance training prevents loss of muscle mass and strength in bile ductâ€ligated rats. Liver International, 2019, 39, 676-683.	3.9	10
25	The hepatokine Tsukushi is released in response to NAFLD and impacts cholesterol homeostasis. JCI Insight, 2019, 4, .	5.0	39
26	Assessment of the spectrum of hepatic encephalopathy: A multicenter study. Liver Transplantation, 2018, 24, 587-594.	2.4	26
27	Ammonia: This is not the end but rather the end of the beginning. Journal of Hepatology, 2018, 68, 1110-1113.	3.7	4
28	Enoxaparin does not ameliorate liver fibrosis or portal hypertension in rats with advanced cirrhosis. Liver International, 2018, 38, 102-112.	3.9	21
29	Hepatic Encephalopathy: Pathophysiologyâ€Brain. , 2018, , 15-29.		0
30	Pathogenesis of Hepatic Encephalopathy in Chronic Liver Disease. Journal of Clinical and Experimental Hepatology, 2018, 8, 262-271.	0.9	50
31	Myosteatosis and sarcopenia are associated with hepatic encephalopathy in patients with cirrhosis. Hepatology International, 2018, 12, 377-386.	4.2	143
32	REPLY:. Hepatology, 2017, 66, 670-671.	7.3	1
33	Ammonia toxicity: from head to toe?. Metabolic Brain Disease, 2017, 32, 529-538.	2.9	166
34	The bile duct ligated rat: A relevant model to study muscle mass loss in cirrhosis. Metabolic Brain Disease, 2017, 32, 513-518.	2.9	30
35	What's new in our understanding of the pathogenesis of hepatic encephalopathy?. Clinical Liver Disease, 2017, 10, 29-31.	2.1	1
36	Elevated FABP1 serum levels are associated with poorer survival in acetaminophenâ€induced acute liver failure. Hepatology, 2017, 65, 938-949.	7.3	49

#	ARTICLE	IF	CITATIONS
37	The association between FABP7 serum levels with survival and neurological complications in acetaminophen-induced acute liver failure: a nested caseâ€“control study. <i>Annals of Intensive Care</i> , 2017, 7, 99.	4.6	4
38	Pulmonary vascular clearance of harmful endogenous macromolecules in a porcine model of acute liver failure. <i>Annals of Hepatology</i> , 2016, 15, 427-435.	1.5	3
39	Targeting the muscle for the treatment and prevention of hepatic encephalopathy. <i>Journal of Hepatology</i> , 2016, 65, 876-878.	3.7	8
40	Liposomeâ€“Supported Peritoneal Dialysis for the Treatment of Hyperammonemiaâ€“Associated Encephalopathy. <i>Advanced Functional Materials</i> , 2016, 26, 8382-8389.	14.9	24
41	Brain edema: a valid endpoint for measuring hepatic encephalopathy?. <i>Metabolic Brain Disease</i> , 2016, 31, 1249-1258.	2.9	25
42	Glycine and hyperammonemia: potential target for the treatment of hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2016, 31, 1269-1273.	2.9	8
43	Mathematical models and hepatology; oil and vinegar?. <i>Journal of Hepatology</i> , 2016, 64, 768-769.	3.7	0
44	Reply to: â€œPivotal preclinical trial of the spheroid reservoir bioartificial liverâ€• <i>Journal of Hepatology</i> , 2015, 63, 1052-1053.	3.7	3
45	Pivotal preclinical trial of the spheroid reservoir bioartificial liver. <i>Journal of Hepatology</i> , 2015, 63, 388-398.	3.7	76
46	L-Ornithine phenylacetate reduces ammonia in pigs with acute liver failure through phenylacetyl-glycine formation: a novel ammonia-lowering pathway. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G1024-G1031.	3.4	19
47	Induction of systemic oxidative stress leads to brain oedema in portacaval shunted rats. <i>Liver International</i> , 2014, 34, 1322-1329.	3.9	16
48	Increased brain lactate is central to the development of brain edema in rats with chronic liver disease. <i>Journal of Hepatology</i> , 2014, 60, 554-560.	3.7	65
49	Elevated cerebral lactate: Implications in the pathogenesis of hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2014, 29, 919-925.	2.9	25
50	Novel insights into ammonia-mediated neurotoxicity pointing to potential new therapeutic strategies. <i>Hepatology</i> , 2014, 60, 1101-1103.	7.3	15
51	Ammonia: more than a neurotoxin?. <i>Liver International</i> , 2014, 34, 649-651.	3.9	6
52	Oxidative stress: a systemic factor implicated in the pathogenesis of hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2013, 28, 175-178.	2.9	81
53	Brain edema in acute liver failure and chronic liver disease: Similarities and differences. <i>Neurochemistry International</i> , 2013, 62, 446-457.	3.8	48
54	Astrocyte glutamine synthetase: pivotal in health and disease. <i>Biochemical Society Transactions</i> , 2013, 41, 1518-1524.	3.4	174

#	ARTICLE	IF	CITATIONS
55	Significant advances towards a reproducible, clinically relevant large animal model of acetaminophen-induced acute liver failure. <i>Liver International</i> , 2013, 33, 499-500.	3.9	0
56	Nitric oxide and L-arginine metabolism in a devascularized porcine model of acute liver failure. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G435-G441.	3.4	17
57	Ammonia-Lowering Strategies for the Treatment of Hepatic Encephalopathy. <i>Clinical Pharmacology and Therapeutics</i> , 2012, 92, 321-331.	4.7	94
58	Systemic oxidative stress is implicated in the pathogenesis of brain edema in rats with chronic liver failure. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1228-1235.	2.9	78
59	AST-120 (spherical carbon adsorbent) lowers ammonia levels and attenuates brain edema in bile duct-ligated rats. <i>Hepatology</i> , 2011, 53, 1995-2002.	7.3	74
60	Portacaval anastomosis-induced hyperammonemia does not lead to oxidative stress. <i>Metabolic Brain Disease</i> , 2010, 25, 11-15.	2.9	11
61	Increase brain lactate in hepatic encephalopathy: Cause or consequence?. <i>Neurochemistry International</i> , 2010, 57, 389-394.	3.8	19
62	Neuropathological changes in the brain of pigs with acute liver failure. <i>Scandinavian Journal of Gastroenterology</i> , 2010, 45, 935-943.	1.5	16
63	L-ornithine phenylacetate attenuates increased arterial and extracellular brain ammonia and prevents intracranial hypertension in pigs with acute liver failure. <i>Hepatology</i> , 2009, 50, 165-174.	7.3	78
64	Identifying the direct effects of ammonia on the brain. <i>Metabolic Brain Disease</i> , 2009, 24, 95-102.	2.9	193
65	Association of reduced extracellular brain ammonia, lactate, and intracranial pressure in pigs with acute liver failure. <i>Hepatology</i> , 2007, 46, 1883-1892.	7.3	38
66	Systemic and regional haemodynamics in pigs with acute liver failure and the effect of albumin dialysis. <i>Scandinavian Journal of Gastroenterology</i> , 2006, 41, 1350-1360.	1.5	25
67	Direct molecular and spectroscopic evidence for increased ammonia removal capacity of skeletal muscle in acute liver failure. <i>Journal of Hepatology</i> , 2006, 44, 1083-1088.	3.7	52
68	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
69	Effect of ammonia on astrocytic glutamate uptake/release mechanisms. <i>Journal of Neurochemistry</i> , 2006, 97, 11-15.	3.9	50
70	Interorgan ammonia, glutamate, and glutamine trafficking in pigs with acute liver failure. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, G373-G381.	3.4	34
71	Limited Capacity for Ammonia Removal by Brain in Chronic Liver Failure: Potential Role of Nitric Oxide. <i>Metabolic Brain Disease</i> , 2005, 20, 275-283.	2.9	41
72	Acute Insult of Ammonia Leads to Calcium-dependent Glutamate Release from Cultured Astrocytes, an Effect of pH. <i>Journal of Biological Chemistry</i> , 2005, 280, 20937-20944.	3.4	100

#	ARTICLE	IF	CITATIONS
73	Mild hypothermia prevents brain edema and attenuates up-regulation of the astrocytic benzodiazepine receptor in experimental acute liver failure. <i>Journal of Hepatology</i> , 2005, 42, 694-699.	3.7	35
74	Keeping cool in acute liver failure: Rationale for the use of mild hypothermia. <i>Journal of Hepatology</i> , 2005, 43, 1067-1077.	3.7	59
75	Contractile response of femoral arteries in pigs with acute liver failure. <i>Scandinavian Journal of Gastroenterology</i> , 2004, 39, 1000-1004.	1.5	4
76	Selective alterations of brain osmolytes in acute liver failure: protective effect of mild hypothermia. <i>Brain Research</i> , 2004, 999, 118-123.	2.2	54
77	Hypothermia in Acute Liver Failure. <i>Metabolic Brain Disease</i> , 2004, 19, 215-221.	2.9	27
78	Albumin dialysis: a new therapeutic strategy for intoxication from protein-bound drugs. <i>Intensive Care Medicine</i> , 2004, 30, 496-501.	8.2	69
79	Is minimal hepatic encephalopathy completely reversible following liver transplantation?. <i>Liver Transplantation</i> , 2004, 10, 84-87.	2.4	33
80	Effects of hypothermia on brain glucose metabolism in acute liver failure: a <sup>1</sup> H/ <sup>13</sup> C-nuclear magnetic resonance study. <i>Gastroenterology</i> , 2003, 125, 815-824.	1.3	114
81	Induction of astrocytic cyclooxygenase-2 in epileptic patients with hippocampal sclerosis. <i>Neurochemistry International</i> , 2003, 42, 299-303.	3.8	65
82	Increased expression of "peripheral-type" benzodiazepine receptors in human temporal lobe epilepsy: implications for PET imaging of hippocampal sclerosis. <i>Metabolic Brain Disease</i> , 2002, 17, 3-11.	2.9	35
83	Increased extracellular brain glutamate in acute liver failure: decreased uptake or increased release?. <i>Metabolic Brain Disease</i> , 2002, 17, 251-261.	2.9	65
84	Mild hypothermia in the prevention of brain edema in acute liver failure: mechanisms and clinical prospects. <i>Metabolic Brain Disease</i> , 2002, 17, 445-451.	2.9	18
85	Loss of noradrenaline transporter sites in frontal cortex of rats with acute (ischemic) liver failure. <i>Neurochemistry International</i> , 2001, 38, 25-30.	3.8	19
86	Mild hypothermia prevents cerebral edema and CSF lactate accumulation in acute liver failure. <i>Metabolic Brain Disease</i> , 2001, 16, 95-102.	2.9	61
87	Mild hypothermia delays the onset of coma and prevents brain edema and extracellular brain glutamate accumulation in rats with acute liver failure. <i>Hepatology</i> , 2000, 31, 872-877.	7.3	116
88	Effect of portacaval anastomosis on glutamine synthetase protein and gene expression in brain, liver and skeletal muscle. <i>Metabolic Brain Disease</i> , 1999, 14, 273-280.	2.9	73
89	L-Ornithine-L-aspartate lowers plasma and cerebrospinal fluid ammonia and prevents brain edema in rats with acute liver failure. <i>Hepatology</i> , 1999, 30, 636-640.	7.3	141
90	Manganese deposition in basal ganglia structures results from both portal-systemic shunting and liver dysfunction. <i>Gastroenterology</i> , 1999, 117, 640-644.	1.3	269

#	ARTICLE	IF	CITATIONS
91	L-ornithine-L-aspartate in experimental portal-systemic encephalopathy: therapeutic efficacy and mechanism of action. <i>Metabolic Brain Disease</i> , 1998, 13, 147-157.	2.9	74
92	Role of manganese in the pathogenesis of portal-systemic encephalopathy. <i>Metabolic Brain Disease</i> , 1998, 13, 311-317.	2.9	73
93	Evidence for altered central noradrenergic function in experimental acute liver failure in the rat. <i>Hepatology</i> , 1998, 27, 362-368.	7.3	21
94	Decreased glutamate transporter (GLT-1) expression in frontal cortex of rats with acute liver failure. <i>Neuroscience Letters</i> , 1997, 229, 201-203.	2.1	171
95	Protective effect of L-carnitine in ammonia-precipitated encephalopathy in the portacaval shunted rat. <i>Hepatology</i> , 1997, 25, 551-556.	7.3	61
96	The Portacaval-Shunted Rat. <i>Alcoholism: Clinical and Experimental Research</i> , 1997, 21, 305.	2.4	2
97	Neuroactive amino acids and glutamate (NMDA) receptors in frontal cortex of rats with experimental acute liver failure. <i>Hepatology</i> , 1996, 24, 908-913.	7.3	162
98	Renal dysfunction independently predicts muscle mass loss in patients following liver transplantation. <i>Canadian Liver Journal</i> , 0, , .	0.9	1
99	Sex is associated with differences in oxidative stress and susceptibility to severe hepatic encephalopathy in bile duct ligated rats. <i>Journal of Neurochemistry</i> , 0, , .	3.9	0