Hartmut Jaeschke

List of Publications by Citations

417 papers	30,884 citations	100 h-index	163 g-index
454 ext. papers	33,998 ext. citations	5.4 avg, IF	7.69 L-index

#	Paper	IF	Citations
417	Mechanisms of hepatotoxicity. *Toxicological Sciences*, **2002**, 65, 166-76	4.4	877
416	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. *Archives of Toxicology*, **2013**, 87, 1315-530	5.8	837
415	Neutrophils contribute to ischemia/reperfusion injury in rat liver in vivo. *FASEB Journal*, **1990**, 4, 3355-3359	5.9	645
414	Molecular mechanisms of hepatic ischemia-reperfusion injury and preconditioning. *American Journal of Physiology - Renal Physiology*, **2003**, 284, G15-26	5.1	627
413	Oxidant stress, mitochondria, and cell death mechanisms in drug-induced liver injury: lessons learned from acetaminophen hepatotoxicity. *Drug Metabolism Reviews*, **2012**, 44, 88-106	7	575
412	The mechanism underlying acetaminophen-induced hepatotoxicity in humans and mice involves mitochondrial damage and nuclear DNA fragmentation. *Journal of Clinical Investigation*, **2012**, 122, 1574-83	15.9	499
411	Apoptosis versus oncotic necrosis in hepatic ischemia/reperfusion injury. *Gastroenterology*, **2003**, 125, 1246-57	13.3	496
410	Intracellular signaling mechanisms of acetaminophen-induced liver cell death. *Toxicological Sciences* , **2006**, 89, 31-41	4.4	430
409	Metabolism and disposition of acetaminophen: recent advances in relation to hepatotoxicity and diagnosis. *Pharmaceutical Research*, **2013**, 30, 2174-87	4.5	386
408	Mitochondrial permeability transition in acetaminophen-induced necrosis and apoptosis of cultured mouse hepatocytes. *Hepatology*, **2004**, 40, 1170-9	11.2	385
407	Reactive oxygen and mechanisms of inflammatory liver injury: Present concepts. *Journal of Gastroenterology and Hepatology (Australia)*, **2011**, 26 Suppl 1, 173-9	4	381
406	The role of oxidant stress and reactive nitrogen species in acetaminophen hepatotoxicity. *Toxicology Letters*, **2003**, 144, 279-88	4.4	357
405	Mechanisms of Liver Injury. II. Mechanisms of neutrophil-induced liver cell injury during hepatic ischemia-reperfusion and other acute inflammatory conditions. *American Journal of Physiology - Renal Physiology*, **2006**, 290, G1083-8	5.1	346
404	Mechanisms of neutrophil-induced parenchymal cell injury. *Journal of Leukocyte Biology*, **1997**, 61, 647-53	3.5	341
403	Acetaminophen hepatotoxicity and repair: the role of sterile inflammation and innate immunity. *Liver International*, **2012**, 32, 8-20	7.9	315
402	Bile acids induce inflammatory genes in hepatocytes: a novel mechanism of inflammation during obstructive cholestasis. *American Journal of Pathology*, **2011**, 178, 175-86	5.8	312
401	Mode of cell death after acetaminophen overdose in mice: apoptosis or oncotic necrosis?. *Toxicological Sciences*, **2002**, 67, 322-8	4.4	308

400	Activation of autophagy protects against acetaminophen-induced hepatotoxicity. *Hepatology*, **2012**, 55, 222-32	11.2	305
399	Mechanism of cell death during warm hepatic ischemia-reperfusion in rats: apoptosis or necrosis?. *Hepatology*, **2001**, 33, 397-405	11.2	301
398	Novel mechanisms of protection against acetaminophen hepatotoxicity in mice by glutathione and N-acetylcysteine. *Hepatology*, **2010**, 51, 246-54	11.2	290
397	Acetaminophen-induced liver injury in rats and mice: comparison of protein adducts, mitochondrial dysfunction, and oxidative stress in the mechanism of toxicity. *Toxicology and Applied Pharmacology*, **2012**, 264, 387-94	4.6	275
396	Peroxynitrite-induced mitochondrial and endonuclease-mediated nuclear DNA damage in acetaminophen hepatotoxicity. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 315, 879-87	4.7	275
395	Reactive oxygen and ischemia/reperfusion injury of the liver. *Chemico-Biological Interactions*, **1991**, 79, 115-36	5	262
394	Functional inactivation of neutrophils with a Mac-1 (CD11b/CD18) monoclonal antibody protects against ischemia-reperfusion injury in rat liver. *Hepatology*, **1993**, 17, 915-923	11.2	260
393	Oxidative stress during acetaminophen hepatotoxicity: Sources, pathophysiological role and therapeutic potential. *Redox Biology*, **2016**, 10, 148-156	11.3	260
392	Reactive oxygen and mechanisms of inflammatory liver injury. *Journal of Gastroenterology and Hepatology (Australia)*, **2000**, 15, 718-24	4	254
391	Role of neutrophils in the pathogenesis of acute inflammatory liver injury. *Toxicologic Pathology*, **2007**, 35, 757-66	2.1	251
390	24-norUrsodeoxycholic acid is superior to ursodeoxycholic acid in the treatment of sclerosing cholangitis in Mdr2 (Abcb4) knockout mice. *Gastroenterology*, **2006**, 130, 465-81	13.3	250
389	Neutrophils aggravate acute liver injury during obstructive cholestasis in bile duct-ligated mice. *Hepatology*, **2003**, 38, 355-63	11.2	245
388	Glutathione disulfide formation and oxidant stress during acetaminophen-induced hepatotoxicity in mice in vivo: the protective effect of allopurinol. *Journal of Pharmacology and Experimental Therapeutics*, **1990**, 255, 935-41	4.7	228
387	A new xenobiotic-induced mouse model of sclerosing cholangitis and biliary fibrosis. *American Journal of Pathology*, **2007**, 171, 525-36	5.8	227
386	Activation of caspase 3 (CPP32)-like proteases is essential for TNF-alpha-induced hepatic parenchymal cell apoptosis and neutrophil-mediated necrosis in a murine endotoxin shock model. *Journal of Immunology*, **1998**, 160, 3480-6	5.3	226
385	HepaRG cells: a human model to study mechanisms of acetaminophen hepatotoxicity. *Hepatology*, **2011**, 53, 974-82	11.2	225
384	Acetaminophen-induced oxidant stress and cell injury in cultured mouse hepatocytes: protection by N-acetyl cysteine. *Toxicological Sciences*, **2004**, 80, 343-9	4.4	221
383	Mechanisms of immune-mediated liver injury. *Toxicological Sciences*, **2010**, 115, 307-21	4.4	216

382	Peroxynitrite is a critical mediator of acetaminophen hepatotoxicity in murine livers: protection by glutathione. *Journal of Pharmacology and Experimental Therapeutics*, **2002**, 303, 468-75	4.7	216
381	Vascular and hepatocellular peroxynitrite formation during acetaminophen toxicity: role of mitochondrial oxidant stress. *Toxicological Sciences*, **2001**, 62, 212-20	4.4	210
380	c-Jun N-terminal kinase modulates oxidant stress and peroxynitrite formation independent of inducible nitric oxide synthase in acetaminophen hepatotoxicity. *Toxicology and Applied Pharmacology*, **2010**, 246, 8-17	4.6	207
379	Neutrophil and Kupffer cell-induced oxidant stress and ischemia-reperfusion injury in rat liver. *American Journal of Physiology - Renal Physiology*, **1991**, 260, G355-62	5.1	202
378	Current strategies to minimize hepatic ischemia-reperfusion injury by targeting reactive oxygen species. *Transplantation Reviews*, **2012**, 26, 103-14	3.3	200
377	Role of the inflammasome in acetaminophen-induced liver injury and acute liver failure. *Journal of Hepatology*, **2017**, 66, 836-848	13.4	198
376	Superoxide generation by Kupffer cells and priming of neutrophils during reperfusion after hepatic ischemia. *Free Radical Research Communications*, **1991**, 15, 277-84		192
375	Glutathione peroxidase-deficient mice are more susceptible to neutrophil-mediated hepatic parenchymal cell injury during endotoxemia: importance of an intracellular oxidant stress. *Hepatology*, **1999**, 29, 443-50	11.2	191
374	Intercellular adhesion molecule 1 (ICAM-1) expression and its role in neutrophil-induced ischemia-reperfusion injury in rat liver. *Journal of Leukocyte Biology*, **1995**, 57, 368-374	6.5	188
373	Nuclear translocation of endonuclease G and apoptosis-inducing factor during acetaminophen-induced liver cell injury. *Toxicological Sciences*, **2006**, 94, 217-25	4.4	186
372	Reactive oxygen species during ischemia-reflow injury in isolated perfused rat liver. *Journal of Clinical Investigation*, **1988**, 81, 1240-6	15.9	186
371	The hepatic inflammatory response after acetaminophen overdose: role of neutrophils. *Toxicological Sciences*, **2000**, 54, 509-16	4.4	185
370	Role of neutrophils in acute inflammatory liver injury. *Liver International*, **2006**, 26, 912-9	7.9	180
369	Receptor interacting protein kinase 3 is a critical early mediator of acetaminophen-induced hepatocyte necrosis in mice. *Hepatology*, **2013**, 58, 2099-108	11.2	175
368	Current issues with acetaminophen hepatotoxicity--a clinically relevant model to test the efficacy of natural products. *Life Sciences*, **2011**, 88, 737-45	6.8	172
367	Mechanisms of reperfusion injury after warm ischemia of the liver. *Journal of Hepato-Biliary-Pancreatic Surgery*, **1998**, 5, 402-8		170
366	Mitochondria and xanthine oxidase both generate reactive oxygen species in isolated perfused rat liver after hypoxic injury. *Biochemical and Biophysical Research Communications*, **1989**, 160, 140-7	3.4	167
365	Nrf2 promotes the development of fibrosis and tumorigenesis in mice with defective hepatic autophagy. *Journal of Hepatology*, **2014**, 61, 617-25	13.4	166

364	Mechanisms of inflammatory liver injury: adhesion molecules and cytotoxicity of neutrophils. *Toxicology and Applied Pharmacology*, **1996**, 139, 213-26	4.6	163
363	Mechanisms of acetaminophen-induced cell death in primary human hepatocytes. *Toxicology and Applied Pharmacology*, **2014**, 279, 266-274	4.6	160
362	Superoxide generation by neutrophils and Kupffer cells during in vivo reperfusion after hepatic ischemia in rats. *Journal of Leukocyte Biology*, **1992**, 52, 377-82	6.5	160
361	Plasma and liver acetaminophen-protein adduct levels in mice after acetaminophen treatment: dose-response, mechanisms, and clinical implications. *Toxicology and Applied Pharmacology*, **2013**, 269, 240-9	4.6	159
360	Parenchymal cell apoptosis as a signal for sinusoidal sequestration and transendothelial migration of neutrophils in murine models of endotoxin and Fas-antibody-induced liver injury. *Hepatology*, **1998**, 28, 761-7	11.2	158
359	Cytokine-induced upregulation of hepatic intercellular adhesion molecule-1 messenger RNA expression and its role in the pathophysiology of murine endotoxin shock and acute liver failure. *Hepatology*, **1995**, 21, 1632-1639	11.2	145
358	Pathophysiological role of the acute inflammatory response during acetaminophen hepatotoxicity. *Toxicology and Applied Pharmacology*, **2006**, 216, 98-107	4.6	141
357	Inhibition of Fas receptor (CD95)-induced hepatic caspase activation and apoptosis by acetaminophen in mice. *Toxicology and Applied Pharmacology*, **1999**, 156, 179-86	4.6	140
356	Circulating microRNA profiles in human patients with acetaminophen hepatotoxicity or ischemic hepatitis. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 12169-74	11.5	139
355	Neutrophils contribute to ischemia/reperfusion injury in rat liver in vivo. *FASEB Journal*, **1990**, 4, 3355-9	0.9	139
354	Novel insight into mechanisms of cholestatic liver injury. *World Journal of Gastroenterology*, **2012**, 18, 4985-93	5.6	137
353	Oxidative stress and the pathogenesis of cholestasis. *Seminars in Liver Disease*, **2010**, 30, 195-204	7.3	137
352	Mitochondrial bax translocation accelerates DNA fragmentation and cell necrosis in a murine model of acetaminophen hepatotoxicity. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 324, 8-14	4.7	137
351	Apoptosis and necrosis in liver disease. *Liver International*, **2004**, 24, 85-9	7.9	137
350	Generation of hypochlorite-modified proteins by neutrophils during ischemia-reperfusion injury in rat liver: attenuation by ischemic preconditioning. *American Journal of Physiology - Renal Physiology*, **2005**, 289, G760-7	5.1	137
349	Lithocholic acid feeding induces segmental bile duct obstruction and destructive cholangitis in mice. *American Journal of Pathology*, **2006**, 168, 410-22	5.8	134
348	Lipid peroxidation as molecular mechanism of liver cell injury during reperfusion after ischemia. *Free Radical Biology and Medicine*, **1994**, 16, 763-70	7.8	128
347	Bile acid-induced necrosis in primary human hepatocytes and in patients with obstructive cholestasis. *Toxicology and Applied Pharmacology*, **2015**, 283, 168-77	4.6	126

346	Acetaminophen-induced Liver Injury: from Animal Models to Humans. *Journal of Clinical and Translational Hepatology*, **2014**, 2, 153-61	5.2	125
345	Liver-specific loss of Atg5 causes persistent activation of Nrf2 and protects against acetaminophen-induced liver injury. *Toxicological Sciences*, **2012**, 127, 438-50	4.4	125
344	Acetaminophen: Dose-Dependent Drug Hepatotoxicity and Acute Liver Failure in Patients. *Digestive Diseases*, **2015**, 33, 464-71	3.2	124
343	Farnesoid X receptor critically determines the fibrotic response in mice but is expressed to a low extent in human hepatic stellate cells and periductal myofibroblasts. *American Journal of Pathology* , **2009**, 175, 2392-405	5.8	124
342	Role of lipid peroxidation as a mechanism of liver injury after acetaminophen overdose in mice. *Toxicological Sciences*, **2003**, 76, 229-36	4.4	123
341	Cytokine-induced upregulation of hepatic intercellular adhesion molecule-1 messenger RNA expression and its role in the pathophysiology of murine endotoxin shock and acute liver failure. *Hepatology*, **1995**, 21, 1632-9	11.2	123
340	Preservation injury: mechanisms, prevention and consequences. *Journal of Hepatology*, **1996**, 25, 774-80	13.4	120
339	Endotoxin-induced activation of the nuclear transcription factor kappa B and expression of E-selectin messenger RNA in hepatocytes, Kupffer cells, and endothelial cells in vivo. *Journal of Immunology*, **1996**, 156, 2956-63	5.3	120
338	Effect of bile duct ligation on bile acid composition in mouse serum and liver. *Liver International*, **2012**, 32, 58-69	7.9	119
337	Role of caspase-1 and interleukin-1beta in acetaminophen-induced hepatic inflammation and liver injury. *Toxicology and Applied Pharmacology*, **2010**, 247, 169-78	4.6	119
336	Experimental models of hepatotoxicity related to acute liver failure. *Toxicology and Applied Pharmacology*, **2016**, 290, 86-97	4.6	118
335	Neutrophil activation during acetaminophen hepatotoxicity and repair in mice and humans. *Toxicology and Applied Pharmacology*, **2014**, 275, 122-33	4.6	118
334	Functional importance of ICAM-1 in the mechanism of neutrophil-induced liver injury in bile duct-ligated mice. *American Journal of Physiology - Renal Physiology*, **2004**, 286, G499-507	5.1	118
333	Removal of acetaminophen protein adducts by autophagy protects against acetaminophen-induced liver injury in mice. *Journal of Hepatology*, **2016**, 65, 354-62	13.4	118
332	Neutrophil-mediated tissue injury in alcoholic hepatitis. *Alcohol*, **2002**, 27, 23-7	2.7	117
331	Cyclophilin D deficiency protects against acetaminophen-induced oxidant stress and liver injury. *Free Radical Research*, **2011**, 45, 156-64	4	116
330	ACTIVATION OF KUPFFER CELLS AND NEUTROPHILS FOR REACTIVE OXYGEN FORMATION IS RESPONSIBLE FOR ENDOTOXIN-ENHANCED LIVER INJURY AFTER HEPATIC ISCHEMIA. *Shock*, **1995**, 3, 56-62	3.4	114
329	The role of acrolein in allyl alcohol-induced lipid peroxidation and liver cell damage in mice. *Biochemical Pharmacology*, **1987**, 36, 51-7	6	113

328	Acetaminophen toxicity in mice lacking NADPH oxidase activity: role of peroxynitrite formation and mitochondrial oxidant stress. *Free Radical Research*, **2003**, 37, 1289-97	4	112
327	Serum mitochondrial biomarkers and damage-associated molecular patterns are higher in acetaminophen overdose patients with poor outcome. *Hepatology*, **2014**, 60, 1336-45	11.2	110
326	The impact of partial manganese superoxide dismutase (SOD2)-deficiency on mitochondrial oxidant stress, DNA fragmentation and liver injury during acetaminophen hepatotoxicity. *Toxicology and Applied Pharmacology*, **2011**, 251, 226-33	4.6	109
325	Mitochondria-targeted antioxidant Mito-Tempo protects against acetaminophen hepatotoxicity. *Archives of Toxicology*, **2017**, 91, 761-773	5.8	108
324	Complement and tumor necrosis factor-alpha contribute to Mac-1 (CD11b/CD18) up-regulation and systemic neutrophil activation during endotoxemia in vivo. *Journal of Leukocyte Biology*, **1994**, 55, 105-11	6.5	106
323	Effects of CXC chemokines on neutrophil activation and sequestration in hepatic vasculature. *American Journal of Physiology - Renal Physiology*, **2001**, 281, G1188-95	5.1	105
322	Bile acids trigger cholemic nephropathy in common bile-duct-ligated mice. *Hepatology*, **2013**, 58, 2056-69	11.2	104
321	Translocation of iron from lysosomes into mitochondria is a key event during oxidative stress-induced hepatocellular injury. *Hepatology*, **2008**, 48, 1644-54	11.2	104
320	Protection against Fas receptor-mediated apoptosis in hepatocytes and nonparenchymal cells by a caspase-8 inhibitor in vivo: evidence for a postmitochondrial processing of caspase-8. *Toxicological Sciences*, **2000**, 58, 109-17	4.4	103
319	Sequestration of neutrophils in the hepatic vasculature during endotoxemia is independent of beta 2 integrins and intercellular adhesion molecule-1. *Shock*, **1996**, 6, 351-6	3.4	102
318	Acetaminophen-induced hepatic neutrophil accumulation and inflammatory liver injury in CD18-deficient mice. *Liver International*, **2010**, 30, 1280-92	7.9	100
317	Acetaminophen Hepatotoxicity. *Seminars in Liver Disease*, **2019**, 39, 221-234	7.3	97
316	Role of the Nalp3 inflammasome in acetaminophen-induced sterile inflammation and liver injury. *Toxicology and Applied Pharmacology*, **2011**, 252, 289-97	4.6	96
315	Scavenging peroxynitrite with glutathione promotes regeneration and enhances survival during acetaminophen-induced liver injury in mice. *Journal of Pharmacology and Experimental Therapeutics*, **2003**, 307, 67-73	4.7	96
314	Parkin and mitofusins reciprocally regulate mitophagy and mitochondrial spheroid formation. *Journal of Biological Chemistry*, **2012**, 287, 42379-88	5.4	95
313	Apoptosis-inducing factor modulates mitochondrial oxidant stress in acetaminophen hepatotoxicity. *Toxicological Sciences*, **2011**, 122, 598-605	4.4	92
312	Reduced oncotic necrosis in fas receptor-deficient C57BL/6J-lpr mice after bile duct ligation. *Hepatology*, **2004**, 40, 998-1007	11.2	91
311	Diurnal fluctuation and pharmacological alteration of mouse organ glutathione content. *Biochemical Pharmacology*, **1985**, 34, 1029-33	6	90

310	Drug-induced lipid peroxidation in mice--II. Protection against paracetamol-induced liver necrosis by intravenous liposomally entrapped glutathione. *Biochemical Pharmacology*, **1982**, 31, 3601-5	6	90
309	Circulating acylcarnitines as biomarkers of mitochondrial dysfunction after acetaminophen overdose in mice and humans. *Archives of Toxicology*, **2014**, 88, 391-401	5.8	89
308	Mechanistic biomarkers in acetaminophen-induced hepatotoxicity and acute liver failure: from preclinical models to patients. *Expert Opinion on Drug Metabolism and Toxicology*, **2014**, 10, 1005-17	5.5	88
307	Development of an adverse outcome pathway from drug-mediated bile salt export pump inhibition to cholestatic liver injury. *Toxicological Sciences*, **2013**, 136, 97-106	4.4	88
306	Zonated induction of autophagy and mitochondrial spheroids limits acetaminophen-induced necrosis in the liver. *Redox Biology*, **2013**, 1, 427-32	11.3	87
305	NADPH oxidase-derived oxidant stress is critical for neutrophil cytotoxicity during endotoxemia. *American Journal of Physiology - Renal Physiology*, **2004**, 287, G243-52	5.1	87
304	Models of drug-induced liver injury for evaluation of phytotherapeutics and other natural products. *Food and Chemical Toxicology*, **2013**, 55, 279-89	4.7	85
303	Use of isolated perfused organs in hypoxia and ischemia/reperfusion oxidant stress. *Methods in Enzymology*, **1990**, 186, 752-9	1.7	85
302	Acetaminophen Toxicity: Novel Insights Into Mechanisms and Future Perspectives. *Gene Expression*, **2018**, 18, 19-30	3.4	83
301	Role of caspases in acetaminophen-induced liver injury. *Life Sciences*, **2006**, 78, 1670-6	6.8	82
300	Inhibitor of apoptosis signal-regulating kinase 1 protects against acetaminophen-induced liver injury. *Toxicology and Applied Pharmacology*, **2015**, 286, 1-9	4.6	80
299	Lysosomal iron mobilization and induction of the mitochondrial permeability transition in acetaminophen-induced toxicity to mouse hepatocytes. *Toxicological Sciences*, **2010**, 117, 101-8	4.4	80
298	Transcriptional activation of vascular cell adhesion molecule-1 gene in vivo and its role in the pathophysiology of neutrophil-induced liver injury in murine endotoxin shock. *Journal of Immunology*, **1997**, 158, 5941-8	5.3	80
297	Acetaminophen-induced inhibition of Fas receptor-mediated liver cell apoptosis: mitochondrial dysfunction versus glutathione depletion. *Toxicology and Applied Pharmacology*, **2002**, 181, 133-41	4.6	78
296	Mechanisms of hypoxic cell injury. Summary of the symposium presented at the 1990 annual meeting of the Society of Toxicology. *Toxicology and Applied Pharmacology*, **1990**, 106, 165-78	4.6	78
295	Recovery of hepatocellular ATP and "pericentral apoptosis" after hemorrhage and resuscitation. *FASEB Journal*, **2003**, 17, 993-1002	0.9	76
294	Role of inflammation in the mechanism of acetaminophen-induced hepatotoxicity. *Expert Opinion on Drug Metabolism and Toxicology*, **2005**, 1, 389-97	5.5	76
293	Increased P-selectin gene expression in the liver vasculature and its role in the pathophysiology of neutrophil-induced liver injury in murine endotoxin shock. *Journal of Leukocyte Biology*, **1998**, 63, 288-96	6.5	76

292	Hypoxic damage generates reactive oxygen species in isolated perfused rat liver. *Biochemical and Biophysical Research Communications*, **1988**, 150, 568-74	3.4	76
291	Plasma biomarkers of liver injury and inflammation demonstrate a lack of apoptosis during obstructive cholestasis in mice. *Toxicology and Applied Pharmacology*, **2013**, 273, 524-31	4.6	75
290	Neutrophil-induced liver cell injury in endotoxin shock is a CD11b/CD18-dependent mechanism. *American Journal of Physiology - Renal Physiology*, **1991**, 261, G1051-6	5.1	74
289	Low Dose Acetaminophen Induces Reversible Mitochondrial Dysfunction Associated with Transient c-Jun N-Terminal Kinase Activation in Mouse Liver. *Toxicological Sciences*, **2016**, 150, 204-15	4.4	73
288	Inhibition of nitric oxide synthesis aggravates reperfusion injury after hepatic ischemia and endotoxemia. *Shock*, **1995**, 4, 282-8	3.4	72
287	The role of apoptosis in acetaminophen hepatotoxicity. *Food and Chemical Toxicology*, **2018**, 118, 709-718	4.7	69
286	Mitochondrial protein adducts formation and mitochondrial dysfunction during N-acetyl-m-aminophenol (AMAP)-induced hepatotoxicity in primary human hepatocytes. *Toxicology and Applied Pharmacology*, **2015**, 289, 213-22	4.6	67
285	Lower susceptibility of female mice to acetaminophen hepatotoxicity: Role of mitochondrial glutathione, oxidant stress and c-jun N-terminal kinase. *Toxicology and Applied Pharmacology*, **2014**, 281, 58-66	4.6	67
284	The oxygen tension modulates acetaminophen-induced mitochondrial oxidant stress and cell injury in cultured hepatocytes. *Toxicological Sciences*, **2010**, 117, 515-23	4.4	66
283	Complement activates Kupffer cells and neutrophils during reperfusion after hepatic ischemia. *American Journal of Physiology - Renal Physiology*, **1993**, 264, G801-9	5.1	65
282	Neutrophil depletion protects against murine acetaminophen hepatotoxicity: another perspective. *Hepatology*, **2007**, 45, 1588-9; author reply 1589	11.2	63
281	Chronic Deletion and Acute Knockdown of Parkin Have Differential Responses to Acetaminophen-induced Mitophagy and Liver Injury in Mice. *Journal of Biological Chemistry*, **2015**, 290, 10934-46	5.4	62
280	Protection against TNF-induced liver parenchymal cell apoptosis during endotoxemia by a novel caspase inhibitor in mice. *Toxicology and Applied Pharmacology*, **2000**, 169, 77-83	4.6	62
279	Transcriptional activation of heme oxygenase-1 and its functional significance in acetaminophen-induced hepatitis and hepatocellular injury in the rat. *Journal of Hepatology*, **2000**, 33, 395-406	13.4	62
278	Vascular oxidant stress and hepatic ischemia/reperfusion injury. *Free Radical Research Communications*, **1991**, 12-13 Pt 2, 737-43		62
277	Functional inactivation of neutrophils with a Mac-1 (CD11b/CD18) monoclonal antibody protects against ischemia-reperfusion injury in rat liver. *Hepatology*, **1993**, 17, 915-23	11.2	61
276	Role of Reactive Oxygen Species in Hepatic Ischemia-Reperfusion Injury and Preconditioning. *Journal of Investigative Surgery*, **2003**, 16, 127-140	1.2	60
275	Differential induction of mRNA for ICAM-1 and selectins in hepatocytes, Kupffer cells and endothelial cells during endotoxemia. *Biochemical and Biophysical Research Communications*, **1995**, 211, 74-82	3.4	60

274	Role of nitric oxide in the oxidant stress during ischemia/reperfusion injury of the liver. *Life Sciences* , **1992**, 50, 1797-804	6.8	60
273	Double deletion of PINK1 and Parkin impairs hepatic mitophagy and exacerbates acetaminophen-induced liver injury in mice. *Redox Biology*, **2019**, 22, 101148	11.3	59
272	Lithocholic acid feeding results in direct hepato-toxicity independent of neutrophil function in mice. *Toxicology Letters*, **2014**, 228, 56-66	4.4	59
271	Inflammation in response to hepatocellular apoptosis. *Hepatology*, **2002**, 35, 964-6	11.2	59
270	Biomarkers distinguish apoptotic and necrotic cell death during hepatic ischemia/reperfusion injury in mice. *Liver Transplantation*, **2014**, 20, 1372-82	4.5	58
269	Hepatic sinusoidal cells in health and disease: update from the 14th International Symposium. *Liver International*, **2009**, 29, 490-501	7.9	57
268	Neutrophil margination and extravasation in sinusoids and venules of liver during endotoxin-induced injury. *American Journal of Physiology - Renal Physiology*, **1997**, 272, G1195-200	5.1	57
267	Mitochondrial dysfunction as a mechanism of drug-induced hepatotoxicity: current understanding and future perspectives. *Journal of Clinical and Translational Research*, **2018**, 4, 75-100	1.1	57
266	Role and mechanisms of autophagy in acetaminophen-induced liver injury. *Liver International*, **2018**, 38, 1363-1374	7.9	56
265	Animal models of drug-induced liver injury. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 1031-1039	6.9	56
264	Reactive oxygen species in the normal and acutely injured liver. *Journal of Hepatology*, **2011**, 55, 227-8	13.4	54
263	Pathophysiological significance of c-jun N-terminal kinase in acetaminophen hepatotoxicity. *Expert Opinion on Drug Metabolism and Toxicology*, **2015**, 11, 1769-79	5.5	51
262	Induction of mitochondrial biogenesis protects against acetaminophen hepatotoxicity. *Food and Chemical Toxicology*, **2017**, 108, 339-350	4.7	51
261	Glycodeoxycholic acid levels as prognostic biomarker in acetaminophen-induced acute liver failure patients. *Toxicological Sciences*, **2014**, 142, 436-44	4.4	51
260	Oxidant stress-induced liver injury in vivo: role of apoptosis, oncotic necrosis, and c-Jun NH2-terminal kinase activation. *American Journal of Physiology - Renal Physiology*, **2009**, 296, G572-81	5.1	51
259	Cellular adhesion molecules: regulation and functional significance in the pathogenesis of liver diseases. *American Journal of Physiology - Renal Physiology*, **1997**, 273, G602-11	5.1	51
258	Reduced inflammatory response and increased microcirculatory disturbances during hepatic ischemia-reperfusion injury in steatotic livers of ob/ob mice. *American Journal of Physiology - Renal Physiology*, **2007**, 292, G1385-95	5.1	51
257	Intercellular adhesion molecule 1 (ICAM-1) expression and its role in neutrophil-induced ischemia-reperfusion injury in rat liver. *Journal of Leukocyte Biology*, **1995**, 57, 368-74	6.5	51

256	Mechanisms of acetaminophen hepatotoxicity and their translation to the human pathophysiology. *Journal of Clinical and Translational Research*, **2017**, 3, 157-169	1.1	50
255	Differences in early acetaminophen hepatotoxicity between obese ob/ob and db/db mice. *Journal of Pharmacology and Experimental Therapeutics*, **2012**, 342, 676-87	4.7	50
254	Oncotic necrosis and caspase-dependent apoptosis during galactosamine-induced liver injury in rats. *Toxicology and Applied Pharmacology*, **2003**, 190, 37-46	4.6	50
253	Translocation of iron from lysosomes to mitochondria during acetaminophen-induced hepatocellular injury: Protection by starch-desferal and minocycline. *Free Radical Biology and Medicine*, **2016**, 97, 418-426	7.8	49
252	Emerging and established modes of cell death during acetaminophen-induced liver injury. *Archives of Toxicology*, **2019**, 93, 3491-3502	5.8	48
251	Osteopontin is an initial mediator of inflammation and liver injury during obstructive cholestasis after bile duct ligation in mice. *Toxicology Letters*, **2014**, 224, 186-95	4.4	48
250	Purinergic receptor antagonist A438079 protects against acetaminophen-induced liver injury by inhibiting p450 isoenzymes, not by inflammasome activation. *Toxicological Sciences*, **2013**, 131, 325-35	4.4	48
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