Mitchell R Mcgill

List of Publications by Citations

105 papers	5,614 citations	36 h-index	74 g-index
114 ext. papers	6,440 ext. citations	4.7 avg, IF	6.19 L-index

#	Paper	IF	Citations
105	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
104	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
103	Metabolism and disposition of acetaminophen: recent advances in relation to hepatotoxicity and diagnosis. *Pharmaceutical Research*, **2013**, 30, 2174-87	4.5	386
102	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
101	HepaRG cells: a human model to study mechanisms of acetaminophen hepatotoxicity. *Hepatology*, **2011**, 53, 974-82	11.2	225
100	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
99	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
98	Mechanisms of acetaminophen-induced cell death in primary human hepatocytes. *Toxicology and Applied Pharmacology*, **2014**, 279, 266-274	4.6	160
97	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
96	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
95	Acetaminophen-induced Liver Injury: from Animal Models to Humans. *Journal of Clinical and Translational Hepatology*, **2014**, 2, 153-61	5.2	125
94	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
93	Neutrophil activation during acetaminophen hepatotoxicity and repair in mice and humans. *Toxicology and Applied Pharmacology*, **2014**, 275, 122-33	4.6	118
92	The past and present of serum aminotransferases and the future of liver injury biomarkers. *EXCLI Journal*, **2016**, 15, 817-828	2.4	118
91	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
90	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
89	Circulating acylcarnitines as biomarkers of mitochondrial dysfunction after acetaminophen overdose in mice and humans. *Archives of Toxicology*, **2014**, 88, 391-401	5.8	89

88	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
87	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
86	Cannabidiol: From Drug Interaction Potential to Modulation of the Gut Microbiome. *Current Developments in Nutrition*, **2020**, 4, 418-418	0.4	78
85	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
84	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
83	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
82	Animal models of drug-induced liver injury. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 1031-1039	6.9	56
81	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
80	Induction of mitochondrial biogenesis protects against acetaminophen hepatotoxicity. *Food and Chemical Toxicology*, **2017**, 108, 339-350	4.7	51
79	Glycodeoxycholic acid levels as prognostic biomarker in acetaminophen-induced acute liver failure patients. *Toxicological Sciences*, **2014**, 142, 436-44	4.4	51
78	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
77	Hepatotoxicity of a Cannabidiol-Rich Cannabis Extract in the Mouse Model. *Molecules*, **2019**, 24,	4.8	49
76	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
75	Time course of acetaminophen-protein adducts and acetaminophen metabolites in circulation of overdose patients and in HepaRG cells. *Xenobiotica*, **2015**, 45, 921-9	2	47
74	Resveratrol prevents protein nitration and release of endonucleases from mitochondria during acetaminophen hepatotoxicity. *Food and Chemical Toxicology*, **2015**, 81, 62-70	4.7	45
73	The gap junction inhibitor 2-aminoethoxy-diphenyl-borate protects against acetaminophen hepatotoxicity by inhibiting cytochrome P450 enzymes and c-jun N-terminal kinase activation. *Toxicology and Applied Pharmacology*, **2013**, 273, 484-91	4.6	41
72	A cellular model to study drug-induced liver injury in nonalcoholic fatty liver disease: Application to acetaminophen. *Toxicology and Applied Pharmacology*, **2016**, 292, 40-55	4.6	40
71	Caspase Inhibition Prevents Tumor Necrosis Factor-Induced Apoptosis and Promotes Necrotic Cell Death in Mouse Hepatocytes in Vivo and in Vitro. *American Journal of Pathology*, **2016**, 186, 2623-36	5.8	38

70	Dual Role of Epidermal Growth Factor Receptor in Liver Injury and Regeneration after Acetaminophen Overdose in Mice. *Toxicological Sciences*, **2017**, 155, 363-378	4.4	36
69	Platelets and protease-activated receptor-4 contribute to acetaminophen-induced liver injury in mice. *Blood*, **2015**, 126, 1835-43	2.2	34
68	MicroRNAs as Signaling Mediators and Biomarkers of Drug- and Chemical-Induced Liver Injury. *Journal of Clinical Medicine*, **2015**, 4, 1063-78	5.1	34
67	A direct comparison of methods used to measure oxidized glutathione in biological samples: 2-vinylpyridine and N-ethylmaleimide. *Toxicology Mechanisms and Methods*, **2015**, 25, 589-95	3.6	33
66	Plasma biomarkers to study mechanisms of liver injury in patients with hypoxic hepatitis. *Liver International*, **2017**, 37, 377-384	7.9	30
65	Bile Acid-Induced Toxicity in HepaRG Cells Recapitulates the Response in Primary Human Hepatocytes. *Basic and Clinical Pharmacology and Toxicology*, **2016**, 118, 160-7	3.1	29
64	Protection against acetaminophen-induced liver injury by allopurinol is dependent on aldehyde oxidase-mediated liver preconditioning. *Toxicology and Applied Pharmacology*, **2014**, 274, 417-24	4.6	27
63	Lysosomal instability and cathepsin B release during acetaminophen hepatotoxicity. *Basic and Clinical Pharmacology and Toxicology*, **2012**, 111, 417-25	3.1	27
62	Involvement of connexin43 in acetaminophen-induced liver injury. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2016**, 1862, 1111-21	6.9	24
61	Biomarkers of drug-induced liver injury: progress and utility in research, medicine, and regulation. *Expert Review of Molecular Diagnostics*, **2018**, 18, 797-807	3.8	24
60	Critical review of resveratrol in xenobiotic-induced hepatotoxicity. *Food and Chemical Toxicology*, **2015**, 86, 309-18	4.7	23
59	Argininosuccinate synthetase as a plasma biomarker of liver injury after acetaminophen overdose in rodents and humans. *Biomarkers*, **2014**, 19, 222-30	2.6	23
58	Serum glutamate dehydrogenase--biomarker for liver cell death or mitochondrial dysfunction?. *Toxicological Sciences*, **2013**, 134, 221-2	4.4	22
57	Fas receptor-deficient lpr mice are protected against acetaminophen hepatotoxicity due to higher glutathione synthesis and enhanced detoxification of oxidant stress. *Food and Chemical Toxicology*, **2013**, 58, 228-35	4.7	22
56	Benzyl alcohol protects against acetaminophen hepatotoxicity by inhibiting cytochrome P450 enzymes but causes mitochondrial dysfunction and cell death at higher doses. *Food and Chemical Toxicology*, **2015**, 86, 253-61	4.7	21
55	Extrahepatic toxicity of acetaminophen: critical evaluation of the evidence and proposed mechanisms. *Journal of Clinical and Translational Research*, **2018**, 3, 297-310	1.1	20
54	Lipin deactivation after acetaminophen overdose causes phosphatidic acid accumulation in liver and plasma in mice and humans and enhances liver regeneration. *Food and Chemical Toxicology*, **2018**, 115, 273-283	4.7	20
53	Cytochrome P450-derived versus mitochondrial oxidant stress in acetaminophen hepatotoxicity. *Toxicology Letters*, **2015**, 235, 216-7	4.4	19

52	Modulation of O-GlcNAc Levels in the Liver Impacts Acetaminophen-Induced Liver Injury by Affecting Protein Adduct Formation and Glutathione Synthesis. *Toxicological Sciences*, **2018**, 162, 599-610	4.4	19
51	Herbal extracts as hepatoprotectants against acetaminophen hepatotoxicity. *World Journal of Gastroenterology*, **2010**, 16, 2448-50	5.6	19
50	Mechanisms and biomarkers of liver regeneration after drug-induced liver injury. *Advances in Pharmacology*, **2019**, 85, 241-262	5.7	18
49	The role of the c-Jun N-terminal kinases 1/2 and receptor-interacting protein kinase 3 in furosemide-induced liver injury. *Xenobiotica*, **2015**, 45, 442-9	2	17
48	Biomarkers of drug-induced liver injury. *Advances in Pharmacology*, **2019**, 85, 221-239	5.7	14
47	Connexin32: a mediator of acetaminophen-induced liver injury?. *Toxicology Mechanisms and Methods*, **2016**, 26, 88-96	3.6	13
46	The inhibitor of glycerol 3-phosphate acyltransferase FSG67 blunts liver regeneration after acetaminophen overdose by altering GSK3 and Wnt/ catenin signaling. *Food and Chemical Toxicology*, **2019**, 125, 279-288	4.7	13
45	Paradoxical Patterns of Sinusoidal Obstruction Syndrome-Like Liver Injury in Aged Female CD-1 Mice Triggered by Cannabidiol-Rich Cannabis Extract and Acetaminophen Co-Administration. *Molecules*, **2019**, 24,	4.8	11
44	Falsely Elevated Plasma Creatinine Due to an Immunoglobulin M Paraprotein. *American Journal of Kidney Diseases*, **2016**, 68, 789-792	7.4	11
43	Inhibition of pannexin1 channels alleviates acetaminophen-induced hepatotoxicity. *Archives of Toxicology*, **2017**, 91, 2245-2261	5.8	11
42	Caveats of using acetaminophen hepatotoxicity models for natural product testing. *Toxicology Letters*, **2012**, 215, 40-1	4.4	11
41	The development and hepatotoxicity of acetaminophen: reviewing over a century of progress. *Drug Metabolism Reviews*, **2020**, 52, 472-500	7	11
40	Strategies for folding of affinity tagged proteins using GroEL and osmolytes. *Journal of Structural and Functional Genomics*, **2009**, 10, 57-66		9
39	Identification of Serum Biomarkers to Distinguish Hazardous and Benign Aminotransferase Elevations. *Toxicological Sciences*, **2020**, 173, 244-254	4.4	9
38	Hearing, reactive metabolite formation, and oxidative stress in cochleae after a single acute overdose of acetaminophen: an in vivo study. *Toxicology Mechanisms and Methods*, **2016**, 26, 104-11	3.6	8
37	Pathophysiological relevance of neutrophils in acetaminophen hepatotoxicity. *Hepatology*, **2013**, 57, 419	11.2	8
36	Decaffeinated Green Tea Extract Does Not Elicit Hepatotoxic Effects and Modulates the Gut Microbiome in Lean B6C3F Mice. *Nutrients*, **2019**, 11,	6.7	7
35	Pathophysiological relevance of proteomics investigations of drug-induced hepatotoxicity in HepG2 cells. *Toxicological Sciences*, **2011**, 121, 428-30; author reply 431-3	4.4	6

34	Propagation of Pericentral Necrosis During Acetaminophen-Induced Liver Injury: Evidence for Early Interhepatocyte Communication and Information Exchange. *Toxicological Sciences*, **2019**, 169, 151-166	4.4	5
33	Effect of Bile Duct Ligation-induced Liver Dysfunction on Methamphetamine Pharmacokinetics and Locomotor Activity in Rats. *Journal of Pharmacy and Pharmaceutical Sciences*, **2019**, 22, 301-312	3.4	5
32	Lack of Direct Cytotoxicity of Extracellular ATP against Hepatocytes: Role in the Mechanism of Acetaminophen Hepatotoxicity. *Journal of Clinical and Translational Research*, **2015**, 1, 100-106	1.1	5
31	Contrasting model mechanisms of alanine aminotransferase (ALT) release from damaged and necrotic hepatocytes as an example of general biomarker mechanisms. *PLoS Computational Biology*, **2020**, 16, e1007622	5	4
30	Oxidant Stress, Antioxidant Defense, and Liver Injury **2013**, 71-84		4
29	Biomarkers of mitotoxicity after acute liver injury: Further insights into the interpretation of glutamate dehydrogenase. *Journal of Clinical and Translational Research*, **2021**, 7, 61-65	1.1	4
28	Professionalism in Residency Training: A Compilation of Desirable Behaviors and a Case-Based Comparison Between Pathologists in Training and Practice. *Academic Pathology*, **2016**, 3, 2374289516667509	1.3	3
27	Proteomics Indicates Lactate Dehydrogenase is Prognostic in Acetaminophen-induced Acute Liver Failure Patients and Reveals Altered Signaling Pathways.. *Toxicological Sciences*, **2022**,	4.4	3
26	Redrawing the map to novel DILI biomarkers in circulation: Where are we, where should we go, and how can we get there?. *Livers*, **2021**, 1, 286-293		3
25	Monoacylglycerol Acyltransferase 1 Knockdown Exacerbates Hepatic Ischemia/Reperfusion Injury in Mice With Hepatic Steatosis. *Liver Transplantation*, **2021**, 27, 116-133	4.5	3
24	Short-Term Safety of Repeated Acetaminophen Use in Patients With Compensated Cirrhosis. *Hepatology Communications*, **2021**,	6	3
23	Retraction notice to "Molecular forms of HMGB1 and keratin-18 as mechanistic biomarkers for mode of cell death and prognosis during clinical acetaminophen hepatotoxicity": J Hepatol 56(2012)1070-1079. *Journal of Hepatology*, **2020**, 73, 1297	13.4	2
22	Effect of bile duct ligation-induced liver dysfunction on methamphetamine pharmacokinetics in male and female rats. *Drug and Alcohol Dependence*, **2020**, 215, 108190	4.9	2
21	Acetaminophen is both bronchodilatory and bronchoprotective in human precision cut lung slice airways. *Xenobiotica*, **2019**, 49, 1106-1115	2	2
20	The Problem With Predictive Values: Are We Using the Right Metrics for Preclinical Prediction of Drug Hepatotoxicity?. *Toxicological Sciences*, **2018**, 165, 3-4	4.4	2
19	Expression of drug metabolizing enzymes and transporters in the cochlea: Implications for drug delivery and ototoxicity. *Hearing Research*, **2019**, 379, 98-102	3.9	1
18	Advances in biomarker development in acetaminophen toxicity. *Advances in Clinical Chemistry*, **2020**, 98, 35-50	5.8	1
17	Oxidative Stress in Acute Liver Failure. *Oxidative Stress in Applied Basic Research and Clinical Practice*, **2015**, 199-214		1

List of Publications

16	Mechanistic Biomarkers in Liver Diseases. *Biomarkers in Disease*, **2017**, 71-97		1
15	Mechanistic Biomarkers in Liver Diseases. *Exposure and Health*, **2016**, 1-27	8.8	1
14	Acetaminophen-induced injury in HepaRG cells: a novel human cell line for studies of drug hepatotoxicity. *FASEB Journal*, **2010**, 24, 759.9	0.9	1
13	Pre-treatment twice with liposomal clodronate protects against acetaminophen hepatotoxicity through a pre-conditioning effect. *Liver Research*, **2020**, 4, 145-152	4.1	1
12	WhatÃ Causing This Dark Brown Plasma?. *journal of applied laboratory medicine, The*, **2019**, 4, 125-129	2	1
11	Exogenous phosphatidic acid reduces acetaminophen-induced liver injury in mice by activating hepatic interleukin-6 signaling through inter-organ crosstalk.. *Acta Pharmaceutica Sinica B*, **2021**, 11, 3836-3846	15.5	1
10	Increased C-Reactive Protein in Healthy Controls. *Clinical Chemistry*, **2018**, 64, 242-243	5.5	0
9	Liver Toxicology **2015**, 453-471		
8	Radiation Effects on Methamphetamine Pharmacokinetics and Pharmacodynamics in Rats.. *European Journal of Drug Metabolism and Pharmacokinetics*, **2022**, 47, 319	2.7	
7	Lack of direct cytotoxicity of extracellular ATP against hepatocytes: role in the mechanism of acetaminophen hepatotoxicity. *Journal of Clinical and Translational Research*, **2015**, 1, 1-7	1.1	
6	Oxidative stress and signaling in the liver469-478		
5	Oxidant Stress and Drug-Induced Hepatotoxicity **2014**, 1757-1785		
4	Granzyme B and miR-378a Interaction in Acetaminophen Toxicity in Children. *MicroRNA (Shariqah, United Arab Emirates)*, **2020**, 9, 121-132	2.9	
3	Ototoxicity and Drug Transport in the Cochlea **2021**, 413-426		
2	Demonstration of a simple do-it-yourself test of mask barrier function using widely available commercial products. *The Journal of the Arkansas Medical Society*, **2021**, 117, 282-283		
1	Biomarkers of Liver Injury Due to Toxic Agents: Progress, Current Applications, and Emerging Directions. *Biomarkers in Disease*, **2022**, 1-20		