Anup Ramachandran

List of Publications by Year in Descending Order

71 papers	5,123 citations	31 h-index	71 g-index
71 ext. papers	6,050 ext. citations	5.4 avg, IF	6.12 L-index

#	Paper	IF	Citations
71	Comparing N-acetylcysteine and 4-methylpyrazole as antidotes for acetaminophen overdose.. *Archives of Toxicology*, **2022**, 1	5.8	5
70	Activation of the adenosine A2B receptor even beyond the therapeutic window of N-acetylcysteine accelerates liver recovery after an acetaminophen overdose.. *Food and Chemical Toxicology*, **2022**, 163, 112911	4.7	0
69	The role of Iron in lipid peroxidation and protein nitration during acetaminophen-induced liver injury in mice.. *Toxicology and Applied Pharmacology*, **2022**, 445, 116043	4.6	2
68	Volatile anesthetic preconditioning modulates oxidative stress and nitric oxide in patients undergoing coronary artery bypass grafting. *Annals of Cardiac Anaesthesia*, **2021**, 24, 319-326	1.3	1
67	Targeting the sterile inflammatory response during acetaminophen hepatotoxicity with natural products. *Toxicology Letters*, **2021**, 355, 170-170	4.4	0
66	Kupffer cells regulate liver recovery through induction of chemokine receptor CXCR2 on hepatocytes after acetaminophen overdose in mice. *Archives of Toxicology*, **2021**, 1	5.8	1
65	Spatial Reconstruction of the Early Hepatic Transcriptomic Landscape After an Acetaminophen Overdose Using Single-Cell RNA-Sequencing. *Toxicological Sciences*, **2021**, 182, 327-345	4.4	2
64	Mitochondrial Dynamics in Drug-Induced Liver Injury. *Livers*, **2021**, 1, 102-115		4
63	Ferroptosis and Acetaminophen Hepatotoxicity: Are We Going Down Another Rabbit Hole?. *Gene Expression*, **2021**, 20, 169-178	3.4	9
62	Letter to the Editor: Does c-Jun N-Terminal Kinase Regulate Acetaminophen Hepatotoxicity by Modulating Nuclear Factor Erythroid 2-Related Factor 2-Dependent Genes or Mitochondrial Oxidant Stress?. *Hepatology*, **2021**, 73, 467-468	11.2	1
61	Mitochondrial protein adduct and superoxide generation are prerequisites for early activation of c-jun N-terminal kinase within the cytosol after an acetaminophen overdose in mice. *Toxicology Letters*, **2021**, 338, 21-31	4.4	17
60	Does acetaminophen hepatotoxicity involve apoptosis, inflammatory liver injury, and lipid peroxidation?. *Journal of Biochemical and Molecular Toxicology*, **2021**, 35, e22718	3.4	1
59	Impaired protein adduct removal following repeat administration of subtoxic doses of acetaminophen enhances liver injury in fed mice. *Archives of Toxicology*, **2021**, 95, 1463-1473	5.8	8
58	Delayed administration of N-acetylcysteine blunts recovery after an acetaminophen overdose unlike 4-methylpyrazole. *Archives of Toxicology*, **2021**, 95, 3377-3391	5.8	6
57	Oxidant Stress and Acetaminophen Hepatotoxicity: Mechanism-Based Drug Development. *Antioxidants and Redox Signaling*, **2021**, 35, 718-733	8.4	6
56	Recommendations for the use of the acetaminophen hepatotoxicity model for mechanistic studies and how to avoid common pitfalls.. *Acta Pharmaceutica Sinica B*, **2021**, 11, 3740-3755	15.5	7
55	Mitochondrial Membrane Potential Drives Early Change in Mitochondrial Morphology After Acetaminophen Exposure. *Toxicological Sciences*, **2021**, 180, 186-195	4.4	5

54	4-methylpyrazole protects against acetaminophen-induced acute kidney injury. *Toxicology and Applied Pharmacology*, **2020**, 409, 115317	4.6	12
53	Mechanisms and pathophysiological significance of sterile inflammation during acetaminophen hepatotoxicity. *Food and Chemical Toxicology*, **2020**, 138, 111240	4.7	32
52	A mitochondrial journey through acetaminophen hepatotoxicity. *Food and Chemical Toxicology*, **2020**, 140, 111282	4.7	21
51	Late Protective Effect of Netrin-1 in the Murine Acetaminophen Hepatotoxicity Model. *Toxicological Sciences*, **2020**, 175, 168-181	4.4	10
50	Response to the opinion letter entitled Role of Ferroptosis in Acetaminophen Hepatotoxicity by Yamada et al. *Archives of Toxicology*, **2020**, 94, 1771-1772	5.8	3
49	Acetaminophen-induced apoptosis: Facts versus fiction. *Journal of Clinical and Translational Research*, **2020**, 6, 36-47	1.1	3
48	Hepatotoxins **2020**, 204-208		
47	Novel Therapeutic Approaches Against Acetaminophen-induced Liver Injury and Acute Liver Failure. *Toxicological Sciences*, **2020**, 174, 159-167	4.4	32
46	Mice deficient in pyruvate dehydrogenase kinase 4 are protected against acetaminophen-induced hepatotoxicity. *Toxicology and Applied Pharmacology*, **2020**, 387, 114849	4.6	10
45	Pleiotropic Roles of Platelets and Neutrophils in Cell Death and Recovery During Acetaminophen Hepatotoxicity. *Hepatology*, **2020**, 72, 1873-1876	11.2	4
44	Novel strategies for the treatment of acetaminophen hepatotoxicity. *Expert Opinion on Drug Metabolism and Toxicology*, **2020**, 16, 1039-1050	5.5	6
43	THE ROLE OF OXIDANT STRESS IN ACETAMINOPHE-INDUCED LIVER INJURY. *Current Opinion in Toxicology*, **2020**, 20-21, 9-14	4.4	7
42	poisoning affects mitochondrial respiration and induces oxidative stress in the rat kidney. *Toxicology Mechanisms and Methods*, **2019**, 29, 561-568	3.6	1
41	Delayed Treatment With 4-Methylpyrazole Protects Against Acetaminophen Hepatotoxicity in Mice by Inhibition of c-Jun n-Terminal Kinase. *Toxicological Sciences*, **2019**, 170, 57-68	4.4	39
40	Acetaminophen hepatotoxicity: A mitochondrial perspective. *Advances in Pharmacology*, **2019**, 85, 195-219	3.7	22
39	Acetaminophen Hepatotoxicity. *Seminars in Liver Disease*, **2019**, 39, 221-234	7.3	97
38	Emerging and established modes of cell death during acetaminophen-induced liver injury. *Archives of Toxicology*, **2019**, 93, 3491-3502	5.8	48
37	Mitochondrial Damage and Biogenesis in Acetaminophen-induced Liver Injury. *Liver Research*, **2019**, 3, 150-156	4.1	20

36	Role of extracellular vesicles in release of protein adducts after acetaminophen-induced liver injury in mice and humans. *Toxicology Letters*, **2019**, 301, 125-132	4.4	14
35	Mito-tempo protects against acute liver injury but induces limited secondary apoptosis during the late phase of acetaminophen hepatotoxicity. *Archives of Toxicology*, **2019**, 93, 163-178	5.8	31
34	The role of apoptosis in acetaminophen hepatotoxicity. *Food and Chemical Toxicology*, **2018**, 118, 709-718	4.7	69
33	Oxidant Stress and Lipid Peroxidation in Acetaminophen Hepatotoxicity. *Reactive Oxygen Species (Apex, N C)*, **2018**, 5, 145-158	4.7	23
32	Oxidative Stress and Acute Hepatic Injury. *Current Opinion in Toxicology*, **2018**, 7, 17-21	4.4	45
31	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
30	Acetaminophen Toxicity: Novel Insights Into Mechanisms and Future Perspectives. *Gene Expression*, **2018**, 18, 19-30	3.4	83
29	PGAM5: a new player in immune-mediated liver injury. *Gut*, **2017**, 66, 567-568	19.2	5
28	Mechanisms of acetaminophen hepatotoxicity and their translation to the human pathophysiology. *Journal of Clinical and Translational Research*, **2017**, 3, 157-169	1.1	50
27	Induction of mitochondrial biogenesis protects against acetaminophen hepatotoxicity. *Food and Chemical Toxicology*, **2017**, 108, 339-350	4.7	51
26	Editor's Highlight: Metformin Protects Against Acetaminophen Hepatotoxicity by Attenuation of Mitochondrial Oxidant Stress and Dysfunction. *Toxicological Sciences*, **2016**, 154, 214-226	4.4	37
25	Oxidative stress during acetaminophen hepatotoxicity: Sources, pathophysiological role and therapeutic potential. *Redox Biology*, **2016**, 10, 148-156	11.3	260
24	Inhibitor of apoptosis signal-regulating kinase 1 protects against acetaminophen-induced liver injury. *Toxicology and Applied Pharmacology*, **2015**, 286, 1-9	4.6	80
23	Hepatitis C virus structural proteins can exacerbate or ameliorate acetaminophen-induced liver injury in mice. *Archives of Toxicology*, **2015**, 89, 773-83	5.8	11
22	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
21	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
20	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
19	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

18	Lysosomal instability and cathepsin B release during acetaminophen hepatotoxicity. *Basic and Clinical Pharmacology and Toxicology*, **2012**, 111, 417-25	3.1	27
17	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
16	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
15	Acetaminophen hepatotoxicity and repair: the role of sterile inflammation and innate immunity. *Liver International*, **2012**, 32, 8-20	7.9	315
14	Cyclophilin D deficiency protects against acetaminophen-induced oxidant stress and liver injury. *Free Radical Research*, **2011**, 45, 156-64	4	116
13	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
12	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
11	HepaRG cells: a human model to study mechanisms of acetaminophen hepatotoxicity. *Hepatology*, **2011**, 53, 974-82	11.2	225
10	Mechanisms of toxicity of Cleistanthus collinus: vacuolar ATPases are a putative target. *Clinical Toxicology*, **2011**, 49, 457-63	2.9	10
9	Apoptosis-inducing factor modulates mitochondrial oxidant stress in acetaminophen hepatotoxicity. *Toxicological Sciences*, **2011**, 122, 598-605	4.4	92
8	Cleistanthus collinus induces type I distal renal tubular acidosis and type II respiratory failure in rats. *Indian Journal of Pharmacology*, **2010**, 42, 178-84	2.5	7
7	The oxygen tension modulates acetaminophen-induced mitochondrial oxidant stress and cell injury in cultured hepatocytes. *Toxicological Sciences*, **2010**, 117, 515-23	4.4	66
6	Reactive nitrogen species in acetaminophen-induced mitochondrial damage and toxicity in mouse hepatocytes: a cautionary note on the impact of cell culture conditions. *Chemical Research in Toxicology*, **2010**, 23, 1853-4; author reply 1855-8	4	3
5	Chronic exposure to nitric oxide alters the free iron pool in endothelial cells: role of mitochondrial respiratory complexes and heat shock proteins. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 384-9	11.5	59
4	Cellular mechanisms of redox cell signalling: role of cysteine modification in controlling antioxidant defences in response to electrophilic lipid oxidation products. *Biochemical Journal*, **2004**, 378, 373-82	3.8	485
3	Mitochondria, nitric oxide, and cardiovascular dysfunction. *Free Radical Biology and Medicine*, **2002**, 33, 1465-74	7.8	123
2	Activation of c-Jun N-terminal kinase and apoptosis in endothelial cells mediated by endogenous generation of hydrogen peroxide. *Biological Chemistry*, **2002**, 383, 693-701	4.5	30
1	Endothelial NOS-dependent activation of c-Jun NH(2)- terminal kinase by oxidized low-density lipoprotein. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 281, H2705-13	5.2	31