

# Anup Ramachandran

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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. <i>Archives of Toxicology</i> , <b>2013</b> , 87, 1315-530	5.8	837
70	Oxidant stress, mitochondria, and cell death mechanisms in drug-induced liver injury: lessons learned from acetaminophen hepatotoxicity. <i>Drug Metabolism Reviews</i> , <b>2012</b> , 44, 88-106	7	575
69	Cellular mechanisms of redox cell signalling: role of cysteine modification in controlling antioxidant defences in response to electrophilic lipid oxidation products. <i>Biochemical Journal</i> , <b>2004</b> , 378, 373-82	3.8	485
68	Acetaminophen hepatotoxicity and repair: the role of sterile inflammation and innate immunity. <i>Liver International</i> , <b>2012</b> , 32, 8-20	7.9	315
67	Acetaminophen-induced liver injury in rats and mice: comparison of protein adducts, mitochondrial dysfunction, and oxidative stress in the mechanism of toxicity. <i>Toxicology and Applied Pharmacology</i> , <b>2012</b> , 264, 387-94	4.6	275
66	Oxidative stress during acetaminophen hepatotoxicity: Sources, pathophysiological role and therapeutic potential. <i>Redox Biology</i> , <b>2016</b> , 10, 148-156	11.3	260
65	HepaRG cells: a human model to study mechanisms of acetaminophen hepatotoxicity. <i>Hepatology</i> , <b>2011</b> , 53, 974-82	11.2	225
64	Receptor interacting protein kinase 3 is a critical early mediator of acetaminophen-induced hepatocyte necrosis in mice. <i>Hepatology</i> , <b>2013</b> , 58, 2099-108	11.2	175
63	Current issues with acetaminophen hepatotoxicity--a clinically relevant model to test the efficacy of natural products. <i>Life Sciences</i> , <b>2011</b> , 88, 737-45	6.8	172
62	Mitochondria, nitric oxide, and cardiovascular dysfunction. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 1465-74	7.8	123
61	Cyclophilin D deficiency protects against acetaminophen-induced oxidant stress and liver injury. <i>Free Radical Research</i> , <b>2011</b> , 45, 156-64	4	116
60	The impact of partial manganese superoxide dismutase (SOD2)-deficiency on mitochondrial oxidant stress, DNA fragmentation and liver injury during acetaminophen hepatotoxicity. <i>Toxicology and Applied Pharmacology</i> , <b>2011</b> , 251, 226-33	4.6	109
59	Acetaminophen Hepatotoxicity. <i>Seminars in Liver Disease</i> , <b>2019</b> , 39, 221-234	7.3	97
58	Apoptosis-inducing factor modulates mitochondrial oxidant stress in acetaminophen hepatotoxicity. <i>Toxicological Sciences</i> , <b>2011</b> , 122, 598-605	4.4	92
57	Models of drug-induced liver injury for evaluation of phytotherapeutics and other natural products. <i>Food and Chemical Toxicology</i> , <b>2013</b> , 55, 279-89	4.7	85
56	Acetaminophen Toxicity: Novel Insights Into Mechanisms and Future Perspectives. <i>Gene Expression</i> , <b>2018</b> , 18, 19-30	3.4	83
55	Inhibitor of apoptosis signal-regulating kinase 1 protects against acetaminophen-induced liver injury. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 286, 1-9	4.6	80

54	The role of apoptosis in acetaminophen hepatotoxicity. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 118, 709-718	4.7	69
53	The oxygen tension modulates acetaminophen-induced mitochondrial oxidant stress and cell injury in cultured hepatocytes. <i>Toxicological Sciences</i> , <b>2010</b> , 117, 515-23	4.4	66
52	Chronic exposure to nitric oxide alters the free iron pool in endothelial cells: role of mitochondrial respiratory complexes and heat shock proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 384-9	11.5	59
51	Mitochondrial dysfunction as a mechanism of drug-induced hepatotoxicity: current understanding and future perspectives. <i>Journal of Clinical and Translational Research</i> , <b>2018</b> , 4, 75-100	1.1	57
50	Induction of mitochondrial biogenesis protects against acetaminophen hepatotoxicity. <i>Food and Chemical Toxicology</i> , <b>2017</b> , 108, 339-350	4.7	51
49	Mechanisms of acetaminophen hepatotoxicity and their translation to the human pathophysiology. <i>Journal of Clinical and Translational Research</i> , <b>2017</b> , 3, 157-169	1.1	50
48	Emerging and established modes of cell death during acetaminophen-induced liver injury. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 3491-3502	5.8	48
47	Purinergic receptor antagonist A438079 protects against acetaminophen-induced liver injury by inhibiting p450 isoenzymes, not by inflammasome activation. <i>Toxicological Sciences</i> , <b>2013</b> , 131, 325-35	4.4	48
46	Oxidative Stress and Acute Hepatic Injury. <i>Current Opinion in Toxicology</i> , <b>2018</b> , 7, 17-21	4.4	45
45	Delayed Treatment With 4-Methylpyrazole Protects Against Acetaminophen Hepatotoxicity in Mice by Inhibition of c-Jun N-Terminal Kinase. <i>Toxicological Sciences</i> , <b>2019</b> , 170, 57-68	4.4	39
44	Editor's Highlight: Metformin Protects Against Acetaminophen Hepatotoxicity by Attenuation of Mitochondrial Oxidant Stress and Dysfunction. <i>Toxicological Sciences</i> , <b>2016</b> , 154, 214-226	4.4	37
43	Mechanisms and pathophysiological significance of sterile inflammation during acetaminophen hepatotoxicity. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 138, 111240	4.7	32
42	Novel Therapeutic Approaches Against Acetaminophen-induced Liver Injury and Acute Liver Failure. <i>Toxicological Sciences</i> , <b>2020</b> , 174, 159-167	4.4	32
41	Endothelial NOS-dependent activation of c-Jun NH(2)-terminal kinase by oxidized low-density lipoprotein. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 281, H2705-13	5.2	31
40	Mito-tempo protects against acute liver injury but induces limited secondary apoptosis during the late phase of acetaminophen hepatotoxicity. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 163-178	5.8	31
39	Activation of c-Jun N-terminal kinase and apoptosis in endothelial cells mediated by endogenous generation of hydrogen peroxide. <i>Biological Chemistry</i> , <b>2002</b> , 383, 693-701	4.5	30
38	Lysosomal instability and cathepsin B release during acetaminophen hepatotoxicity. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2012</b> , 111, 417-25	3.1	27
37	Oxidant Stress and Lipid Peroxidation in Acetaminophen Hepatotoxicity. <i>Reactive Oxygen Species (Apex, N C)</i> , <b>2018</b> , 5, 145-158	4.7	23

36	Acetaminophen hepatotoxicity: A mitochondrial perspective. <i>Advances in Pharmacology</i> , <b>2019</b> , 85, 195-219	4.7	22
35	A mitochondrial journey through acetaminophen hepatotoxicity. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 140, 111282	4.7	21
34	Mitochondrial Damage and Biogenesis in Acetaminophen-induced Liver Injury. <i>Liver Research</i> , <b>2019</b> , 3, 150-156	4.1	20
33	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. <i>Toxicology Letters</i> , <b>2021</b> , 338, 21-31	4.4	17
32	Role of extracellular vesicles in release of protein adducts after acetaminophen-induced liver injury in mice and humans. <i>Toxicology Letters</i> , <b>2019</b> , 301, 125-132	4.4	14
31	4-methylpyrazole protects against acetaminophen-induced acute kidney injury. <i>Toxicology and Applied Pharmacology</i> , <b>2020</b> , 409, 115317	4.6	12
30	Hepatitis C virus structural proteins can exacerbate or ameliorate acetaminophen-induced liver injury in mice. <i>Archives of Toxicology</i> , <b>2015</b> , 89, 773-83	5.8	11
29	Late Protective Effect of Netrin-1 in the Murine Acetaminophen Hepatotoxicity Model. <i>Toxicological Sciences</i> , <b>2020</b> , 175, 168-181	4.4	10
28	Mechanisms of toxicity of <i>Cleistanthus collinus</i> : vacuolar ATPases are a putative target. <i>Clinical Toxicology</i> , <b>2011</b> , 49, 457-63	2.9	10
27	Mice deficient in pyruvate dehydrogenase kinase 4 are protected against acetaminophen-induced hepatotoxicity. <i>Toxicology and Applied Pharmacology</i> , <b>2020</b> , 387, 114849	4.6	10
26	Ferroptosis and Acetaminophen Hepatotoxicity: Are We Going Down Another Rabbit Hole?. <i>Gene Expression</i> , <b>2021</b> , 20, 169-178	3.4	9
25	Impaired protein adduct removal following repeat administration of subtoxic doses of acetaminophen enhances liver injury in fed mice. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 1463-1473	5.8	8
24	<i>Cleistanthus collinus</i> induces type I distal renal tubular acidosis and type II respiratory failure in rats. <i>Indian Journal of Pharmacology</i> , <b>2010</b> , 42, 178-84	2.5	7
23	THE ROLE OF OXIDANT STRESS IN ACETAMINOPHE-INDUCED LIVER INJURY. <i>Current Opinion in Toxicology</i> , <b>2020</b> , 20-21, 9-14	4.4	7
22	Recommendations for the use of the acetaminophen hepatotoxicity model for mechanistic studies and how to avoid common pitfalls.. <i>Acta Pharmaceutica Sinica B</i> , <b>2021</b> , 11, 3740-3755	15.5	7
21	Novel strategies for the treatment of acetaminophen hepatotoxicity. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2020</b> , 16, 1039-1050	5.5	6
20	Delayed administration of N-acetylcysteine blunts recovery after an acetaminophen overdose unlike 4-methylpyrazole. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 3377-3391	5.8	6
19	Oxidant Stress and Acetaminophen Hepatotoxicity: Mechanism-Based Drug Development. <i>Antioxidants and Redox Signaling</i> , <b>2021</b> , 35, 718-733	8.4	6

18	PGAM5: a new player in immune-mediated liver injury. <i>Gut</i> , <b>2017</b> , 66, 567-568	19.2	5
17	Comparing N-acetylcysteine and 4-methylpyrazole as antidotes for acetaminophen overdose.. <i>Archives of Toxicology</i> , <b>2022</b> , 1	5.8	5
16	Mitochondrial Membrane Potential Drives Early Change in Mitochondrial Morphology After Acetaminophen Exposure. <i>Toxicological Sciences</i> , <b>2021</b> , 180, 186-195	4.4	5
15	Pleiotropic Roles of Platelets and Neutrophils in Cell Death and Recovery During Acetaminophen Hepatotoxicity. <i>Hepatology</i> , <b>2020</b> , 72, 1873-1876	11.2	4
14	Mitochondrial Dynamics in Drug-Induced Liver Injury. <i>Livers</i> , <b>2021</b> , 1, 102-115		4
13	Response to the opinion letter entitled Role of Ferroptosis in Acetaminophen Hepatotoxicity by Yamada et al. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 1771-1772	5.8	3
12	Reactive nitrogen species in acetaminophen-induced mitochondrial damage and toxicity in mouse hepatocytes: a cautionary note on the impact of cell culture conditions. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 1853-4; author reply 1855-8	4	3
11	Acetaminophen-induced apoptosis: Facts versus fiction. <i>Journal of Clinical and Translational Research</i> , <b>2020</b> , 6, 36-47	1.1	3
10	Spatial Reconstruction of the Early Hepatic Transcriptomic Landscape After an Acetaminophen Overdose Using Single-Cell RNA-Sequencing. <i>Toxicological Sciences</i> , <b>2021</b> , 182, 327-345	4.4	2
9	The role of Iron in lipid peroxidation and protein nitration during acetaminophen-induced liver injury in mice.. <i>Toxicology and Applied Pharmacology</i> , <b>2022</b> , 445, 116043	4.6	2
8	poisoning affects mitochondrial respiration and induces oxidative stress in the rat kidney. <i>Toxicology Mechanisms and Methods</i> , <b>2019</b> , 29, 561-568	3.6	1
7	Volatile anesthetic preconditioning modulates oxidative stress and nitric oxide in patients undergoing coronary artery bypass grafting. <i>Annals of Cardiac Anaesthesia</i> , <b>2021</b> , 24, 319-326	1.3	1
6	Kupffer cells regulate liver recovery through induction of chemokine receptor CXCR2 on hepatocytes after acetaminophen overdose in mice. <i>Archives of Toxicology</i> , <b>2021</b> , 1	5.8	1
5	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?. <i>Hepatology</i> , <b>2021</b> , 73, 467-468	11.2	1
4	Does acetaminophen hepatotoxicity involve apoptosis, inflammatory liver injury, and lipid peroxidation?. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2021</b> , 35, e22718	3.4	1
3	Targeting the sterile inflammatory response during acetaminophen hepatotoxicity with natural products. <i>Toxicology Letters</i> , <b>2021</b> , 355, 170-170	4.4	0
2	Activation of the adenosine A2B receptor even beyond the therapeutic window of N-acetylcysteine accelerates liver recovery after an acetaminophen overdose.. <i>Food and Chemical Toxicology</i> , <b>2022</b> , 163, 112911	4.7	0
1	Hepatotoxins <b>2020</b> , 204-208		

