

# Rui E Castro

## List of Publications by Year in Descending Order

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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.

68

papers

3,031

citations

32

h-index

54

g-index

75

ext. papers

3,512

ext. citations

5.6

avg, IF

4.88

L-index

#	Paper	IF	Citations
68	Impact of aging on primary liver cancer: epidemiology, pathogenesis and therapeutics. <i>Aging</i> , <b>2021</b> , 13, 23416-23434	5.6	1
67	RIPK3 acts as a lipid metabolism regulator contributing to inflammation and carcinogenesis in non-alcoholic fatty liver disease. <i>Gut</i> , <b>2021</b> , 70, 2359-2372	19.2	10
66	Adiponectin, Leptin, and IGF-1 Are Useful Diagnostic and Stratification Biomarkers of NAFLD. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 683250	4.9	7
65	Isolation of Mitochondria from Liver and Extraction of Total RNA and Protein: Analyses of miRNA and Protein Expression. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2310, 1-15	1.4	1
64	Host miRNA-21 promotes liver dysfunction by targeting small intestinal in mice. <i>Gut Microbes</i> , <b>2020</b> , 12, 1-18	8.8	8
63	Potential of miR-21 to Predict Incomplete Response to Chemoradiotherapy in Rectal Adenocarcinoma. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 577653	5.3	3
62	Diet-dependent gut microbiota impacts on adult neurogenesis through mitochondrial stress modulation. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa165	4.5	7
61	Liquid Biopsies in Hepatocellular Carcinoma: Are We Winning?. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	19
60	A Novel Serum Metabolomic Profile for the Differential Diagnosis of Distal Cholangiocarcinoma and Pancreatic Ductal Adenocarcinoma. <i>Cancers</i> , <b>2020</b> , 12,	6.6	11
59	Extracellular Vesicles in Non-alcoholic Fatty Liver Disease: Key Players in Disease Pathogenesis and Promising Biomarker Tools <b>2020</b> , 157-180		
58	Skeletal muscle miR-34a/SIRT1:AMPK axis is activated in experimental and human non-alcoholic steatohepatitis. <i>Journal of Molecular Medicine</i> , <b>2019</b> , 97, 1113-1126	5.5	13
57	Measuring the Impact of Bile Acids on the Membrane Order of Primary Hepatocytes and Isolated Mitochondria by Fluorescence Imaging and Spectroscopy. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1981, 99-115	1.4	1
56	Diagnostic and prognostic biomarkers in cholangiocarcinoma. <i>Liver International</i> , <b>2019</b> , 39 Suppl 1, 108-123	4.3	53
55	Copper complex nanoformulations featuring highly promising therapeutic potential in murine melanoma models. <i>Nanomedicine</i> , <b>2019</b> , 14, 835-850	5.6	24
54	miR-873-5p targets mitochondrial GNMT-Complex II interface contributing to non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , <b>2019</b> , 29, 40-54	8.8	17
53	Processes exacerbating apoptosis in non-alcoholic steatohepatitis. <i>Clinical Science</i> , <b>2019</b> , 133, 2245-2264	6.5	6
52	Ursodeoxycholic acid: Effects on hepatic unfolded protein response, apoptosis and oxidative stress in morbidly obese patients. <i>Liver International</i> , <b>2018</b> , 38, 523-531	7.9	18

51	The Emerging Role of microRNAs in Aquaporin Regulation. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 238	5	25
50	miRNA-21 ablation protects against liver injury and necroptosis in cholestasis. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 857-872	12.7	71
49	miR-21 ablation and obeticholic acid ameliorate nonalcoholic steatohepatitis in mice. <i>Cell Death and Disease</i> , <b>2017</b> , 8, e2748	9.8	48
48	Cell Death and microRNAs in Cholestatic Liver Diseases: Update on Potential Therapeutic Applications. <i>Current Drug Targets</i> , <b>2017</b> , 18, 921-931	3	11
47	With mouse age comes wisdom: A review and suggestions of relevant mouse models for age-related conditions. <i>Mechanisms of Ageing and Development</i> , <b>2016</b> , 160, 54-68	5.6	13
46	miR-143 or miR-145 overexpression increases cetuximab-mediated antibody-dependent cellular cytotoxicity in human colon cancer cells. <i>Oncotarget</i> , <b>2016</b> , 7, 9368-87	3.3	34
45	MEK5/ERK5 signaling inhibition increases colon cancer cell sensitivity to 5-fluorouracil through a p53-dependent mechanism. <i>Oncotarget</i> , <b>2016</b> , 7, 34322-40	3.3	31
44	Circulating microRNAs as Potential Biomarkers in Non-Alcoholic Fatty Liver Disease and Hepatocellular Carcinoma. <i>Journal of Clinical Medicine</i> , <b>2016</b> , 5,	5.1	61
43	Nanoformulations of a potent copper-based aquaporin inhibitor with cytotoxic effect against cancer cells. <i>Nanomedicine</i> , <b>2016</b> , 11, 1817-30	5.6	31
42	Activation of necroptosis in human and experimental cholestasis. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2390	9.8	76
41	Aberrant MEK5/ERK5 signalling contributes to human colon cancer progression via NF- $\kappa$ B activation. <i>Cell Death and Disease</i> , <b>2015</b> , 6, e1718	9.8	33
40	Deoxycholic acid modulates cell death signaling through changes in mitochondrial membrane properties. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 2158-71	6.3	23
39	Necroptosis is a key pathogenic event in human and experimental murine models of non-alcoholic steatohepatitis. <i>Clinical Science</i> , <b>2015</b> , 129, 721-39	6.5	116
38	Inhibition of NF- $\kappa$ B by deoxycholic acid induces miR-21/PDCD4-dependent hepatocellular apoptosis. <i>Scientific Reports</i> , <b>2015</b> , 5, 17528	4.9	19
37	c-Jun N-terminal kinase 1/c-Jun activation of the p53/microRNA 34a/sirtuin 1 pathway contributes to apoptosis induced by deoxycholic acid in rat liver. <i>Molecular and Cellular Biology</i> , <b>2014</b> , 34, 1100-20	4.8	57
36	Revisiting the metabolic syndrome and paving the way for microRNAs in non-alcoholic fatty liver disease. <i>FEBS Journal</i> , <b>2014</b> , 281, 2503-24	5.7	46
35	Synthesis, G-quadruplex stabilisation, docking studies, and effect on cancer cells of indolo[3,2-b]quinolines with one, two, or three basic side chains. <i>ChemMedChem</i> , <b>2013</b> , 8, 1648-61	3.7	28
34	miR-34a/SIRT1/p53 is suppressed by ursodeoxycholic acid in the rat liver and activated by disease severity in human non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , <b>2013</b> , 58, 119-25	13.4	240

33	Synthesis and evaluation of water-soluble prodrugs of ursodeoxycholic acid (UDCA), an anti-apoptotic bile acid. <i>ChemMedChem</i> , <b>2013</b> , 8, 1002-11	3.7	21
32	Cytotoxic bile acids, but not cytoprotective species, inhibit the ordering effect of cholesterol in model membranes at physiologically active concentrations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 2152-63	3.8	32
31	Targeting miR-506 in primary biliary cirrhosis to support the HCO <sub>3</sub> <sup>-</sup> umbrella. <i>Clinics and Research in Hepatology and Gastroenterology</i> , <b>2012</b> , 36, 402-4	2.4	2
30	Liver and muscle in morbid obesity: the interplay of fatty liver and insulin resistance. <i>PLoS ONE</i> , <b>2012</b> , 7, e31738	3.7	34
29	miR-143 overexpression impairs growth of human colon carcinoma xenografts in mice with induction of apoptosis and inhibition of proliferation. <i>PLoS ONE</i> , <b>2011</b> , 6, e23787	3.7	85
28	Apoptosis and insulin resistance in liver and peripheral tissues of morbidly obese patients is associated with different stages of non-alcoholic fatty liver disease. <i>Diabetologia</i> , <b>2011</b> , 54, 1788-98	10.3	73
27	Identification of microRNAs during rat liver regeneration after partial hepatectomy and modulation by ursodeoxycholic acid. <i>American Journal of Physiology - Renal Physiology</i> , <b>2010</b> , 299, G887-97	5.1	75
26	Cell death targets and potential modulators in Alzheimer's disease. <i>Current Pharmaceutical Design</i> , <b>2010</b> , 16, 2851-64	3.3	29
25	Ursodeoxycholic acid modulates the ubiquitin-proteasome degradation pathway of p53. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 400, 649-54	3.4	9
24	Naphtho[2,3-d]isoxazole-4,9-dione-3-carboxylates: potent, non-cytotoxic, antiapoptotic agents. <i>Chemico-Biological Interactions</i> , <b>2009</b> , 180, 175-82	5	8
23	Tauroursodeoxycholic acid prevents E22Q Alzheimer's Abeta toxicity in human cerebral endothelial cells. <i>Cellular and Molecular Life Sciences</i> , <b>2009</b> , 66, 1094-104	10.3	51
22	MicroRNA-143 reduces viability and increases sensitivity to 5-fluorouracil in HCT116 human colorectal cancer cells. <i>FEBS Journal</i> , <b>2009</b> , 276, 6689-700	5.7	161
21	p53 and the regulation of hepatocyte apoptosis: implications for disease pathogenesis. <i>Trends in Molecular Medicine</i> , <b>2009</b> , 15, 531-41	11.5	35
20	Apoptosis in transgenic mice expressing the P301L mutated form of human tau. <i>Molecular Medicine</i> , <b>2008</b> , 14, 309-17	6.2	28
19	Progesterone and caspase-3 activation in equine cyclic corpora lutea. <i>Reproduction in Domestic Animals</i> , <b>2007</b> , 42, 380-6	1.6	13
18	Administration of tauroursodeoxycholic acid (TUDCA) reduces apoptosis following myocardial infarction in rat. <i>The American Journal of Chinese Medicine</i> , <b>2007</b> , 35, 279-95	6	53
17	p53 is a key molecular target of ursodeoxycholic acid in regulating apoptosis. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 34250-9	5.4	58
16	Differential regulation of cyclin D1 and cell death by bile acids in primary rat hepatocytes. <i>American Journal of Physiology - Renal Physiology</i> , <b>2007</b> , 293, G327-34	5.1	29

15	Functional modulation of nuclear steroid receptors by tauroursodeoxycholic acid reduces amyloid beta-peptide-induced apoptosis. <i>Molecular Endocrinology</i> , <b>2006</b> , 20, 2292-303		37
14	Apoptosis and Bcl-2 expression in the livers of patients with steatohepatitis. <i>European Journal of Gastroenterology and Hepatology</i> , <b>2006</b> , 18, 21-9	2.2	64
13	Tauroursodeoxycholic acid modulates p53-mediated apoptosis in Alzheimer's disease mutant neuroblastoma cells. <i>Journal of Neurochemistry</i> , <b>2006</b> , 98, 1610-8	6	55
12	A distinct microarray gene expression profile in primary rat hepatocytes incubated with ursodeoxycholic acid. <i>Journal of Hepatology</i> , <b>2005</b> , 42, 897-906	13.4	30
11	Nuclear translocation of UDCA by the glucocorticoid receptor is required to reduce TGF-beta1-induced apoptosis in rat hepatocytes. <i>Hepatology</i> , <b>2005</b> , 42, 925-34	11.2	48
10	The bile acid tauroursodeoxycholic acid modulates phosphorylation and translocation of bad via phosphatidylinositol 3-kinase in glutamate-induced apoptosis of rat cortical neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2004</b> , 311, 845-52	4.7	49
9	Inhibition of the E2F-1/p53/Bax pathway by tauroursodeoxycholic acid in amyloid beta-peptide-induced apoptosis of PC12 cells. <i>Journal of Neurochemistry</i> , <b>2004</b> , 90, 567-75	6	58
8	Modulation of nuclear steroid receptors by ursodeoxycholic acid inhibits TGF-beta1-induced E2F-1/p53-mediated apoptosis of rat hepatocytes. <i>Biochemistry</i> , <b>2004</b> , 43, 8429-38	3.2	41
7	Hepatocyte apoptosis, expression of death receptors, and activation of NF-kappaB in the liver of nonalcoholic and alcoholic steatohepatitis patients. <i>American Journal of Gastroenterology</i> , <b>2004</b> , 99, 1708-17	8.7	297
6	5. THE ROLE OF BILE ACIDS IN THE MODULATION OF APOPTOSIS. <i>Principles of Medical Biology</i> , <b>2004</b> , 15, 119-145		2
5	Tauroursodeoxycholic acid reduces apoptosis and protects against neurological injury after acute hemorrhagic stroke in rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 6087-92	11.5	150
4	Ursodeoxycholic acid modulates E2F-1 and p53 expression through a caspase-independent mechanism in transforming growth factor beta1-induced apoptosis of rat hepatocytes. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 48831-8	5.4	56
3	Tauroursodeoxycholic acid prevents amyloid-beta peptide-induced neuronal death via a phosphatidylinositol 3-kinase-dependent signaling pathway. <i>Molecular Medicine</i> , <b>2003</b> , 9, 226-34	6.2	95
2	Perturbation of membrane dynamics in nerve cells as an early event during bilirubin-induced apoptosis. <i>Journal of Lipid Research</i> , <b>2002</b> , 43, 885-894	6.3	50
1	Bile Acids as Modulators of Apoptosis 391-419		2