Rui E Castro

List of Publications by Year
in descending order

72 papers	3,956 citations	94433 37 h-index	123424 61 g-index
75 all docs	75 docs citations	75 times ranked	5957 citing authors

#	Article	IF	Citations
1	Hepatocyte Apoptosis, Expression of Death Receptors, and Activation of NF-Î°B in the Liver of Nonalcoholic and Alcoholic Steatohepatitis Patients. American Journal of Gastroenterology, 2004, 99, 1708-1717.	0.4	345
2	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. Journal of Hepatology, 2013, 58, 119-125.	3.7	300
3	Tauroursodeoxycholic acid reduces apoptosis and protects against neurological injury after acute hemorrhagic stroke in rats. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6087-6092.	7.1	178
4	MicroRNAâ€143 reduces viability and increases sensitivity to 5â€fluorouracil in HCT116 human colorectal cancer cells. FEBS Journal, 2009, 276, 6689-6700.	4.7	175
5	Necroptosis is a key pathogenic event in human and experimental murine models of non-alcoholic steatohepatitis. Clinical Science, 2015, 129, 721-739.	4.3	175
6	Activation of necroptosis in human and experimental cholestasis. Cell Death and Disease, 2016, 7, e2390-e2390.	6.3	107
7	Tauroursodeoxycholic Acid Prevents Amyloid-Î² Peptide-Induced Neuronal Death Via a Phosphatidylinositol 3-Kinase-Dependent Signaling Pathway. Molecular Medicine, 2003, 9, 226-234.	4.4	104
8	miR-143 Overexpression Impairs Growth of Human Colon Carcinoma Xenografts in Mice with Induction of Apoptosis and Inhibition of Proliferation. PLoS ONE, 2011, 6, e23787.	2.5	95
9	miRNA-21 ablation protects against liver injury and necroptosis in cholestasis. Cell Death and Differentiation, 2018, 25, 857-872.	11.2	92
10	Diagnostic and prognostic biomarkers in cholangiocarcinoma. Liver International, 2019, 39, 108-122.	3.9	89
11	Apoptosis and insulin resistance in liver and peripheral tissues of morbidly obese patients is associated with different stages of non-alcoholic fatty liver disease. Diabetologia, 2011, 54, 1788-1798.	6.3	87
12	Identification of microRNAs during rat liver regeneration after partial hepatectomy and modulation by ursodeoxycholic acid. American Journal of Physiology - Renal Physiology, 2010, 299, G887-G897.	3.4	86
13	miR-21 ablation and obeticholic acid ameliorate nonalcoholic steatohepatitis in mice. Cell Death and Disease, 2017, 8, e2748-e2748.	6.3	78
14	Apoptosis and Bcl-2 expression in the livers of patients with steatohepatitis. European Journal of Gastroenterology and Hepatology, 2006, 18, 21-29.	1.6	77
15	Circulating microRNAs as Potential Biomarkers in Non-Alcoholic Fatty Liver Disease and Hepatocellular Carcinoma. Journal of Clinical Medicine, 2016, 5, 30.	2.4	77
16	Perturbation of membrane dynamics in nerve cells as an early event during bilirubin-induced apoptosis. Journal of Lipid Research, 2002, 43, 885-894.	4.2	73
17	The Bile Acid Tauroursodeoxycholic Acid Modulates Phosphorylation and Translocation of Bad via Phosphatidylinositol 3-Kinase in Glutamate-Induced Apoptosis of Rat Cortical Neurons. Journal of Pharmacology and Experimental Therapeutics, 2004, 311, 845-852.	2.5	71
18	Inhibition of the E2F-1/p53/Bax pathway by tauroursodeoxycholic acid in amyloid beta-peptide-induced apoptosis of PC12 Cells. Journal of Neurochemistry, 2004, 90, 567-575.	3.9	69

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19	p53 Is a Key Molecular Target of Ursodeoxycholic Acid in Regulating Apoptosis. Journal of Biological Chemistry, 2007, 282, 34250-34259.	3.4	69
20	Ursodeoxycholic Acid Modulates E2F-1 and p53 Expression through a Caspase-independent Mechanism in Transforming Growth Factor Î²1-induced Apoptosis of Rat Hepatocytes. Journal of Biological Chemistry, 2003, 278, 48831-48838.	3.4	64
21	Tauroursodeoxycholic acid modulates p53-mediated apoptosis in Alzheimer's disease mutant neuroblastoma cells. Journal of Neurochemistry, 2006, 98, 1610-1618.	3.9	62
22	Administration of Tauroursodeoxycholic Acid (TUDCA) Reduces Apoptosis Following Myocardial Infarction in Rat. The American Journal of Chinese Medicine, 2007, 35, 279-295.	3.8	62
23	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. Molecular and Cellular Biology, 2014, 34, 1100-1120.	2.3	61
24	Nuclear translocation of UDCA by the glucocorticoid receptor is required to reduce TGF-Î²1-induced apoptosis in rat hepatocytes. Hepatology, 2005, 42, 925-934.	7.3	60
25	Tauroursodeoxycholic acid prevents E22Q Alzheimerâ€™s Aβ toxicity in human cerebral endothelial cells. Cellular and Molecular Life Sciences, 2009, 66, 1094-1104.	5.4	57
26	RIPK3 acts as a lipid metabolism regulator contributing to inflammation and carcinogenesis in non-alcoholic fatty liver disease. Gut, 2021, 70, 2359-2372.	12.1	56
27	Revisiting the metabolic syndrome and paving the way for micro<scp>RNA</scp>s in nonâ€alcoholic fatty liver disease. FEBS Journal, 2014, 281, 2503-2524.	4.7	55
28	MEK5/ERK5 signaling inhibition increases colon cancer cell sensitivity to 5-fluorouracil through a p53-dependent mechanism. Oncotarget, 2016, 7, 34322-34340.	1.8	52
29	Nanoformulations of a potent copper-based aquaporin inhibitor with cytotoxic effect against cancer cells. Nanomedicine, 2016, 11, 1817-1830.	3.3	47
30	Modulation of Nuclear Steroid Receptors by Ursodeoxycholic Acid Inhibits TGF-Î²1-Induced E2F-1/p53-Mediated Apoptosis of Rat Hepatocytes. Biochemistry, 2004, 43, 8429-8438.	2.5	46
31	Functional Modulation of Nuclear Steroid Receptors by Tauroursodeoxycholic Acid Reduces Amyloid Î²-Peptide-Induced Apoptosis. Molecular Endocrinology, 2006, 20, 2292-2303.	3.7	46
32	Aberrant MEK5/ERK5 signalling contributes to human colon cancer progression via NF-ÎºB activation. Cell Death and Disease, 2015, 6, e1718-e1718.	6.3	44
33	miR-143 or miR-145 overexpression increases cetuximab-mediated antibody-dependent cellular cytotoxicity in human colon cancer cells. Oncotarget, 2016, 7, 9368-9387.	1.8	42
34	Synthesis, Gâ€Quadruplex Stabilisation, Docking Studies, and Effect on Cancer Cells of Indolo[3,2â€<i>b</i>]quinolines with One, Two, or Three Basic Side Chains. ChemMedChem, 2013, 8, 1648-1661.	3.2	39
35	Copper complex nanoformulations featuring highly promising therapeutic potential in murine melanoma models. Nanomedicine, 2019, 14, 835-850.	3.3	39
36	p53 and the regulation of hepatocyte apoptosis: implications for disease pathogenesis. Trends in Molecular Medicine, 2009, 15, 531-541.	6.7	38

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37	Liver and Muscle in Morbid Obesity: The Interplay of Fatty Liver and Insulin Resistance. PLoS ONE, 2012, 7, e31738.	2.5	38
38	Liquid Biopsies in Hepatocellular Carcinoma: Are We Winning?. Journal of Clinical Medicine, 2020, 9, 1541.	2.4	38
39	Cell Death Targets and Potential Modulators in Alzheimers Disease. Current Pharmaceutical Design, 2010, 16, 2851-2864.	1.9	36
40	Cytotoxic bile acids, but not cytoprotective species, inhibit the ordering effect of cholesterol in model membranes at physiologically active concentrations. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2152-2163.	2.6	36
41	Deoxycholic acid modulates cell death signaling through changes in mitochondrial membrane properties. Journal of Lipid Research, 2015, 56, 2158-2171.	4.2	36
42	A distinct microarray gene expression profile in primary rat hepatocytes incubated with ursodeoxycholic acid. Journal of Hepatology, 2005, 42, 897-906.	3.7	35
43	miR-873-5p targets mitochondrial GNMT-Complex II interface contributing to non-alcoholic fatty liver disease. Molecular Metabolism, 2019, 29, 40-54.	6.5	35
44	Adiponectin, Leptin, and IGF-1 Are Useful Diagnostic and Stratification Biomarkers of NAFLD. Frontiers in Medicine, 2021, 8, 683250.	2.6	34
45	Apoptosis in Transgenic Mice Expressing the P301L Mutated Form of Human Tau. Molecular Medicine, 2008, 14, 309-317.	4.4	32
46	The Emerging Role of microRNAs in Aquaporin Regulation. Frontiers in Chemistry, 2018, 6, 238.	3.6	31
47	Differential regulation of cyclin D1 and cell death by bile acids in primary rat hepatocytes. American Journal of Physiology - Renal Physiology, 2007, 293, G327-G334.	3.4	29
48	Host miRNA-21 promotes liver dysfunction by targeting small intestinal <i>Lactobacillus</i> in mice. Gut Microbes, 2020, 12, 1840766.	9.8	29
49	Ursodeoxycholic acid: Effects on hepatic unfolded protein response, apoptosis and oxidative stress in morbidly obese patients. Liver International, 2018, 38, 523-531.	3.9	28
50	Diet-dependent gut microbiota impacts on adult neurogenesis through mitochondrial stress modulation. Brain Communications, 2020, 2, fcaa165.	3.3	27
51	Synthesis and Evaluation of Waterâ€Soluble Prodrugs of Ursodeoxycholic Acid (UDCA), an Antiâ€apoptotic Bile Acid. ChemMedChem, 2013, 8, 1002-1011.	3.2	25
52	Inhibition of NF-Î°B by deoxycholic acid induces miR-21/PDCD4-dependent hepatocellular apoptosis. Scientific Reports, 2015, 5, 17528.	3.3	24
53	Towards a definite mouse model of NAFLD. Journal of Hepatology, 2018, 69, 272-274.	3.7	23
54	Skeletal muscle miR-34a/SIRT1:AMPK axis is activated in experimental and human non-alcoholic steatohepatitis. Journal of Molecular Medicine, 2019, 97, 1113-1126.	3.9	21

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55	A Novel Serum Metabolomic Profile for the Differential Diagnosis of Distal Cholangiocarcinoma and Pancreatic Ductal Adenocarcinoma. Cancers, 2020, 12, 1433.	3.7	20
56	Impact of aging on primary liver cancer: epidemiology, pathogenesis and therapeutics. Aging, 2021, 13, 23416-23434.	3.1	17
57	Cell Death and microRNAs in Cholestatic Liver Diseases: Update on Potential Therapeutic Applications. Current Drug Targets, 2017, 18, 921-931.	2.1	16
58	Modulation of liver steatosis by miR-21/PPARÎ±. Cell Death Discovery, 2018, 4, 9.	4.7	15
59	With mouse age comes wisdom: A review and suggestions of relevant mouse models for age-related conditions. Mechanisms of Ageing and Development, 2016, 160, 54-68.	4.6	14
60	Progesterone and Caspase-3 Activation in Equine Cyclic Corpora Lutea. Reproduction in Domestic Animals, 2007, 42, 380-386.	1.4	13
61	Processes exacerbating apoptosis in non-alcoholic steatohepatitis. Clinical Science, 2019, 133, 2245-2264.	4.3	13
62	Potential of miR-21 to Predict Incomplete Response to Chemoradiotherapy in Rectal Adenocarcinoma. Frontiers in Oncology, 2020, 10, 577653.	2.8	11
63	Targeting NAE1-mediated protein hyper-NEDDylation halts cholangiocarcinogenesis and impacts on tumor-stroma crosstalk in experimental models. Journal of Hepatology, 2022, 77, 177-190.	3.7	11
64	Naphtho[2,3-d]isoxazole-4,9-dione-3-carboxylates: Potent, non-cytotoxic, antiapoptotic agents. Chemico-Biological Interactions, 2009, 180, 175-182.	4.0	10
65	Ursodeoxycholic acid modulates the ubiquitin-proteasome degradation pathway of p53. Biochemical and Biophysical Research Communications, 2010, 400, 649-654.	2.1	10
66	Bile Acids as Modulators of Apoptosis. , 0, , 391-419.		5
67	5. THE ROLE OF BILE ACIDS IN THE MODULATION OF APOPTOSIS. Principles of Medical Biology, 2004, 15, 119-145.	0.1	3
68	Targeting miR-506 in primary biliary cirrhosis to support the HCO3â˜ umbrella. Clinics and Research in Hepatology and Gastroenterology, 2012, 36, 402-404.	1.5	2
69	Evaluation of Tissue and Circulating miR-21 as Potential Biomarker of Response to Chemoradiotherapy in Rectal Cancer. Pharmaceuticals, 2020, 13, 246.	3.8	2
70	Isolation of Mitochondria from Liver and Extraction of Total RNA and Protein: Analyses of miRNA and Protein Expression. Methods in Molecular Biology, 2021, 2310, 1-15.	0.9	2
71	Measuring the Impact of Bile Acids on the Membrane Order of Primary Hepatocytes and Isolated Mitochondria by Fluorescence Imaging and Spectroscopy. Methods in Molecular Biology, 2019, 1981, 99-115.	0.9	1
72	Extracellular Vesicles in Non-alcoholic Fatty Liver Disease: Key Players in Disease Pathogenesis and Promising Biomarker Tools. , 2020, , 157-180.		0