JosÃ© Carlos FernÃ¡ndez-Checa

List of Publications by Year
in descending order

184 papers	15,491 citations	9234 74 h-index	19136 118 g-index
190 all docs	190 docs citations	190 times ranked	17437 citing authors

#	Article	IF	Citations
1	Mitochondrial Glutathione, a Key Survival Antioxidant. Antioxidants and Redox Signaling, 2009, 11, 2685-2700.	2.5	777
2	Direct Effect of Ceramide on the Mitochondrial Electron Transport Chain Leads to Generation of Reactive Oxygen Species. Journal of Biological Chemistry, 1997, 272, 11369-11377.	1.6	727
3	Mitochondrial free cholesterol loading sensitizes to TNF- and Fas-mediated steatohepatitis. Cell Metabolism, 2006, 4, 185-198.	7.2	537
4	Glutathione and mitochondria. Frontiers in Pharmacology, 2014, 5, 151.	1.6	401
5	Selective glutathione depletion of mitochondria by ethanol sensitizes hepatocytes to tumor necrosis factor. Gastroenterology, 1998, 115, 1541-1551.	0.6	349
6	Enhanced free cholesterol, SREBP-2 and StAR expression in human NASH. Journal of Hepatology, 2009, 50, 789-796.	1.8	296
7	Hepatic mitochondrial glutathione: transport and role in disease and toxicity. Toxicology and Applied Pharmacology, 2005, 204, 263-273.	1.3	248
8	Impaired uptake of glutathione by hepatic mitochondria from chronic ethanol-fed rats. Tracer kinetic studies in vitro and in vivo and susceptibility to oxidant stress.. Journal of Clinical Investigation, 1991, 87, 397-405.	3.9	227
9	Hepatic mitochondrial glutathione depletion and progression of experimental alcoholic liver disease in rats. Hepatology, 1992, 16, 1423-1427.	3.6	220
10	Mitochondrial Cholesterol Contributes to Chemotherapy Resistance in Hepatocellular Carcinoma. Cancer Research, 2008, 68, 5246-5256.	0.4	219
11	Specific Contribution of Methionine and Choline in Nutritional Nonalcoholic Steatohepatitis. Journal of Biological Chemistry, 2010, 285, 18528-18536.	1.6	215
12	The use of monochlorobimane to determine hepatic GSH levels and synthesis. Analytical Biochemistry, 1990, 190, 212-219.	1.1	205
13	Dual Role of Mitochondrial Reactive Oxygen Species in Hypoxia Signaling: Activation of Nuclear Factor-Î²B via c-SRCâ€“ and Oxidant-Dependent Cell Death. Cancer Research, 2007, 67, 7368-7377.	0.4	204
14	Mitochondrial Glutathione: Importance and Transport. Seminars in Liver Disease, 1998, 18, 389-401.	1.8	203
15	Sphingolipids and cell death. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 923-939.	2.2	203
16	Defective TNF-Î±â€“mediated hepatocellular apoptosis and liver damage in acidic sphingomyelinase knockout mice. Journal of Clinical Investigation, 2003, 111, 197-208.	3.9	200
17	Effect of chronic ethanol feeding on glutathione and functional integrity of mitochondria in periportal and perivenous rat hepatocytes.. Journal of Clinical Investigation, 1994, 94, 193-201.	3.9	197
18	FeedingS-adenosyl-l-methionine attenuates both ethanol-induced depletion of mitochondrial glutathione and mitochondrial dysfunction in periportal and perivenous rat hepatocytes. Hepatology, 1995, 21, 207-214.	3.6	193

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19	Direct interaction of GD3 ganglioside with mitochondria generates reactive oxygen species followed by mitochondrial permeability transition, cytochrome c release, and caspase activation. FASEB Journal, 2000, 14, 847-858.	0.2	187
20	VCAM-1 and ICAM-1 mediate leukocyte-endothelial cell adhesion in rat experimental colitis. Gastroenterology, 1999, 116, 874-883.	0.6	181
21	Caveolin-1 Deficiency Causes Cholesterol-Dependent Mitochondrial Dysfunction and Apoptotic Susceptibility. Current Biology, 2011, 21, 681-686.	1.8	175
22	Oxidative stress: Role of mitochondria and protection by glutathione. BioFactors, 1998, 8, 7-11.	2.6	170
23	Mitochondrial glutathione: Features, regulation and role in disease. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3317-3328.	1.1	160
24	Reduced Muscle Redox Capacity after Endurance Training in Patients with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 1114-1118.	2.5	158
25	Acetaldehyde impairs mitochondrial glutathione transport in HepG2 cells through endoplasmic reticulum stress. Gastroenterology, 2003, 124, 708-724.	0.6	155
26	Redox Control of Liver Function in Health and Disease. Antioxidants and Redox Signaling, 2010, 12, 1295-1331.	2.5	155
27	Transport of reduced glutathione in hepatic mitochondria and mitoplasts from ethanol-treated rats: Effect of membrane physical properties andS-adenosyl-L-methionine. Hepatology, 1997, 26, 699-708.	3.6	151
28	Increased tumour necrosis factorâ€Î± plasma levels during moderate-intensity exercise in COPD patients. European Respiratory Journal, 2003, 21, 789-794.	3.1	143
29	Mitochondrial glutathione depletion in alcoholic liver disease. Alcohol, 1993, 10, 469-475.	0.8	142
30	Mitochondrial Cholesterol Loading Exacerbates Amyloid Î² Peptide-Induced Inflammation and Neurotoxicity. Journal of Neuroscience, 2009, 29, 6394-6405.	1.7	134
31	JNK interaction with Sab mediates ER stress induced inhibition of mitochondrial respiration and cell death. Cell Death and Disease, 2014, 5, e989-e989.	2.7	134
32	Tumor Necrosis Factor Increases Hepatocellular Glutathione by Transcriptional Regulation of the Heavy Subunit Chain of Î³-Glutamylcysteine Synthetase. Journal of Biological Chemistry, 1997, 272, 30371-30379.	1.6	133
33	Trafficking of Ganglioside GD3 to Mitochondria by Tumor Necrosis Factor-Î±. Journal of Biological Chemistry, 2002, 277, 36443-36448.	1.6	133
34	Sensitivity of the 2-oxoglutarate carrier to alcohol intake contributes to mitochondrial glutathione depletion. Hepatology, 2003, 38, 692-702.	3.6	127
35	Mitochondrial dysfunction in COPD patients with low body mass index. European Respiratory Journal, 2007, 29, 643-650.	3.1	127
36	Mitochondria, cholesterol and cancer cell metabolism. Clinical and Translational Medicine, 2016, 5, 22.	1.7	127

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37	Mitochondrial Oxidative Stress and Antioxidants Balance in Fatty Liver Disease. Hepatology Communications, 2018, 2, 1425-1439.	2.0	122
38	Cholesterol Impairs the Adenine Nucleotide Translocator-mediated Mitochondrial Permeability Transition through Altered Membrane Fluidity. Journal of Biological Chemistry, 2003, 278, 33928-33935.	1.6	120
39	Effect of chronic ethanol feeding on rat hepatocytic glutathione. Compartmentation, efflux, and response to incubation with ethanol.. Journal of Clinical Investigation, 1987, 80, 57-62.	3.9	117
40	Redox regulation and signaling lipids in mitochondrial apoptosis. Biochemical and Biophysical Research Communications, 2003, 304, 471-479.	1.0	115
41	Melatoninâ€induced increase in sensitivity of human hepatocellular carcinoma cells to sorafenib is associated with reactive oxygen species production and mitophagy. Journal of Pineal Research, 2016, 61, 396-407.	3.4	114
42	Critical role of acidic sphingomyelinase in murine hepatic ischemia-reperfusion injury. Hepatology, 2006, 44, 561-572.	3.6	112
43	Sab (Sh3bp5) dependence of JNK mediated inhibition of mitochondrial respiration in palmitic acid induced hepatocyte lipotoxicity. Journal of Hepatology, 2015, 62, 1367-1374.	1.8	108
44	Critical role of tumor necrosis factor receptor 1, but not 2, in hepatic stellate cell proliferation, extracellular matrix remodeling, and liver fibrogenesis. Hepatology, 2011, 54, 319-327.	3.6	107
45	Glutathione Depletion Impairs Myogenic Differentiation of Murine Skeletal Muscle C2C12 Cells through Sustained NF-ÎºB Activation. American Journal of Pathology, 2004, 165, 719-728.	1.9	105
46	Gas6/Axl pathway is activated in chronic liver disease and its targeting reduces fibrosis via hepatic stellate cell inactivation. Journal of Hepatology, 2015, 63, 670-678.	1.8	104
47	Effects of steroid treatment on activation of nuclear factor ÎºB in patients with inflammatory bowel disease. British Journal of Pharmacology, 1998, 124, 431-433.	2.7	103
48	Mitochondrial glutathione: Hepatocellular survivalâ€“death switch. Journal of Gastroenterology and Hepatology (Australia), 2006, 21, S3-S6.	1.4	103
49	Intracellular Cholesterol Trafficking and Impact in Neurodegeneration. Frontiers in Molecular Neuroscience, 2017, 10, 382.	1.4	103
50	Replenishment of Glutathione Levels Improves Mucosal Function in Experimental Acute Colitis. Laboratory Investigation, 2000, 80, 735-744.	1.7	99
51	APP/PS1 mice overexpressing SREBP-2 exhibit combined AÎ² accumulation and tau pathology underlying Alzheimer's disease. Human Molecular Genetics, 2013, 22, 3460-3476.	1.4	98
52	Cholesterol impairs autophagy-mediated clearance of amyloid beta while promoting its secretion. Autophagy, 2018, 14, 1129-1154.	4.3	97
53	Mechanism of Mitochondrial Glutathione-Dependent Hepatocellular Susceptibility to TNF Despite NF-ÎºB Activation. Gastroenterology, 2008, 134, 1507-1520.	0.6	96
54	Pharmacological inhibition or small interfering RNA targeting acid ceramidase sensitizes hepatoma cells to chemotherapy and reduces tumor growth in vivo. Oncogene, 2007, 26, 905-916.	2.6	95

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55	Critical Role of Mitochondrial Glutathione in the Survival of Hepatocytes during Hypoxia. Journal of Biological Chemistry, 2005, 280, 3224-3232.	1.6	93
56	Cholesterol and peroxidized cardiolipin in mitochondrial membrane properties, permeabilization and cell death. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1217-1224.	0.5	90
57	ASMase is required for chronic alcohol induced hepatic endoplasmic reticulum stress and mitochondrial cholesterol loading. Journal of Hepatology, 2013, 59, 805-813.	1.8	89
58	ASMase regulates autophagy and lysosomal membrane permeabilization and its inhibition prevents early stage non-alcoholic steatohepatitis. Journal of Hepatology, 2014, 61, 1126-1134.	1.8	89
59	Oxidative damage of mitochondrial and nuclear DNA induced by ionizing radiation in human hepatoblastoma cells. International Journal of Radiation Oncology Biology Physics, 1998, 42, 191-203.	0.4	86
60	Effects of chronic ethanol feeding on rat hepatocytic glutathione. Relationship of cytosolic glutathione to efflux and mitochondrial sequestration.. Journal of Clinical Investigation, 1989, 83, 1247-1252.	3.9	86
61	Endoplasmic Reticulum Stress Mediates Amyloid Î² Neurotoxicity via Mitochondrial Cholesterol Trafficking. American Journal of Pathology, 2014, 184, 2066-2081.	1.9	85
62	Endoplasmic Reticulum Stress-Induced Upregulation of STARD1 Promotes Acetaminophen-Induced Acute Liver Failure. Gastroenterology, 2019, 157, 552-568.	0.6	85
63	Differential role of ethanol and acetaldehyde in the induction of oxidative stress in HEP G2 cells: Effect on transcription factors AP-1 and NF-ÎºB. Hepatology, 1999, 30, 1473-1480.	3.6	82
64	S-Adenosyl-l-methionine and mitochondrial reduced glutathione depletion in alcoholic liver disease. Alcohol, 2002, 27, 179-183.	0.8	82
65	Reactive Oxygen Species Mediate Liver Injury Through Parenchymal Nuclear Factor-ÎºB Inactivation in Prolonged Ischemia/Reperfusion. American Journal of Pathology, 2009, 174, 1776-1785.	1.9	82
66	Mitochondrial dysfunction in non-alcoholic fatty liver disease and insulin resistance: Cause or consequence?. Free Radical Research, 2013, 47, 854-868.	1.5	82
67	Ceramide metabolism regulates autophagy and apoptotic cell death induced by melatonin in liver cancer cells. Journal of Pineal Research, 2015, 59, 178-189.	3.4	82
68	Ganglioside GD3 enhances apoptosis by suppressing the nuclear factor-ÎºB-dependent survival pathway. FASEB Journal, 2001, 15, 1068-1070.	0.2	80
69	Cathepsins B and D drive hepatic stellate cell proliferation and promote their fibrogenic potential. Hepatology, 2009, 49, 1297-1307.	3.6	80
70	Cholesterol enrichment in liver mitochondria impairs oxidative phosphorylation and disrupts the assembly of respiratory supercomplexes. Redox Biology, 2019, 24, 101214.	3.9	80
71	Oxidative Stress and Altered Mitochondrial Function in Neurodegenerative Diseases: Lessons From Mouse Models. CNS and Neurological Disorders - Drug Targets, 2010, 9, 439-454.	0.8	79
72	Mitochondrialâ€“Lysosomal Axis in Acetaminophen Hepatotoxicity. Frontiers in Pharmacology, 2018, 9, 453.	1.6	79

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73	Mitochondrial cholesterol in health and disease. Histology and Histopathology, 2009, 24, 117-32.	0.5	79
74	Sphingolipid signalling and liver diseases. Liver International, 2007, 27, 440-450.	1.9	78
75	Acidic Sphingomyelinase Controls Hepatic Stellate Cell Activation and in Vivo Liver Fibrogenesis. American Journal of Pathology, 2010, 177, 1214-1224.	1.9	78
76	Myristic acid potentiates palmitic acid-induced lipotoxicity and steatohepatitis associated with lipodystrophy by sustaning de novo ceramide synthesis. Oncotarget, 2015, 6, 41479-41496.	0.8	78
77	Qualitative and Quantitative Changes in Skeletal Muscle mtDNA and Expression of Mitochondrial-Encoded Genes in the Human Aging Process. Biochemical and Molecular Medicine, 1997, 62, 165-171.	1.5	77
78	Tauroursodeoxycholic acid protects hepatocytes from ethanol-fed rats against tumor necrosis factorâ€“induced cell death by replenishing mitochondrial glutathione. Hepatology, 2001, 34, 964-971.	3.6	75
79	Sphingomyelin synthase 1 mediates hepatocyte pyroptosis to trigger non-alcoholic steatohepatitis. Gut, 2021, 70, 1954-1964.	6.1	71
80	Glycosphingolipids and mitochondria: Role in apoptosis and disease. Glycoconjugate Journal, 2003, 20, 579-588.	1.4	70
81	Growth arrest-specific protein 6 is hepatoprotective against murine ischemia/reperfusion injury. Hepatology, 2010, 52, 1371-1379.	3.6	70
82	Mitochondrial GSH determines the toxic or therapeutic potential of superoxide scavenging in steatohepatitis. Journal of Hepatology, 2012, 57, 852-859.	1.8	70
83	PGE 1 Protection against Apoptosis Induced by d -galactosamine is Not Related to the Modulation of Intracellular Free Radical Production in Primary Culture of Rat Hepatocytes. Free Radical Research, 2002, 36, 345-355.	1.5	67
84	Acid sphingomyelinase-ceramide system in steatohepatitis: A novel target regulating multiple pathways. Journal of Hepatology, 2015, 62, 219-233.	1.8	66
85	Advanced preclinical models for evaluation of drug-induced liver injury â€“ consensus statement by the European Drug-Induced Liver Injury Network [PRO-EURO-DILI-NET]. Journal of Hepatology, 2021, 75, 935-959.	1.8	66
86	Lysosomal and Mitochondrial Liaisons in Niemann-Pick Disease. Frontiers in Physiology, 2017, 8, 982.	1.3	62
87	Protective role of endogenous plasmalogens against hepatic steatosis and steatohepatitis in mice. Hepatology, 2017, 66, 416-431.	3.6	61
88	Acidic sphingomyelinase downregulates the liver-specific methionine adenosyltransferase 1A, contributing to tumor necrosis factorâ€“induced lethal hepatitis. Journal of Clinical Investigation, 2004, 113, 895-904.	3.9	61
89	Ceramide generated by acidic sphingomyelinase contributes to tumor necrosis factor-Î±-mediated apoptosis in human colon HT-29 cells through glycosphingolipids formation. FEBS Letters, 2002, 526, 135-141.	1.3	60
90	The 2-oxoglutarate carrier promotes liver cancer by sustaining mitochondrial GSH despite cholesterol loading. Redox Biology, 2018, 14, 164-177.	3.9	59

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91	Transcriptional regulation of the heavy subunit chain of Î³-glutamylcysteine synthetase by ionizing radiation. FEBS Letters, 1998, 427, 15-20.	1.3	57
92	MLN64 induces mitochondrial dysfunction associated with increased mitochondrial cholesterol content. Redox Biology, 2017, 12, 274-284.	3.9	56
93	Zinc mitigates renal ischemiaâ€reperfusion injury in rats by modulating oxidative stress, endoplasmic reticulum stress, and autophagy. Journal of Cellular Physiology, 2018, 233, 8677-8690.	2.0	56
94	Human placenta sphingomyelinase, an exogenous acidic pH-optimum sphingomyelinase, induces oxidative stress, glutathione depletion, and apoptosis in rat hepatocytes. Hepatology, 2000, 32, 56-65.	3.6	55
95	Enhanced DNA Binding and Activation of Transcription Factors NF-ÎºB and AP-1 by Acetaldehyde in HEPG2 Cells. Journal of Biological Chemistry, 2000, 275, 14684-14690.	1.6	55
96	Mitochondrial GSH replenishment as a potential therapeutic approach for Niemann Pick type C disease. Redox Biology, 2017, 11, 60-72.	3.9	55
97	Targeting cholesterol at different levels in the mevalonate pathway protects fatty liver against ischemiaâ€“reperfusion injury. Journal of Hepatology, 2011, 54, 1002-1010.	1.8	54
98	Redox regulation of hepatocyte apoptosis. Journal of Gastroenterology and Hepatology (Australia), 2007, 22, S38-S42.	1.4	53
99	Role of Mitochondria in Alcoholic Liver Disease. Current Pathobiology Reports, 2013, 1, 159-168.	1.6	51
100	How Is the Liver Primed or Sensitized for Alcoholic Liver Disease?. Alcoholism: Clinical and Experimental Research, 2001, 25, 171S-181S.	1.4	50
101	Mitochondria, cholesterol and amyloid Î² peptide: a dangerous trio in Alzheimer disease. Journal of Bioenergetics and Biomembranes, 2009, 41, 417-423.	1.0	50
102	Glycosphingolipids and cell death: one aim, many ways. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 607-620.	2.2	49
103	Lysosomal Cholesterol Accumulation Sensitizes To Acetaminophen Hepatotoxicity by Impairing Mitophagy. Scientific Reports, 2016, 5, 18017.	1.6	49
104	Statins and Protein Prenylation in Cancer Cell Biology and Therapy. Anti-Cancer Agents in Medicinal Chemistry, 2012, 12, 303-315.	0.9	49
105	Evidence That the Rat Hepatic Mitochondrial Carrier Is Distinct from the Sinusoidal and Canalicular Transporters for Reduced Glutathione. Journal of Biological Chemistry, 1995, 270, 15946-15949.	1.6	48
106	Ganglioside GD3 Sensitizes Human Hepatoma Cells to Cancer Therapy. Journal of Biological Chemistry, 2002, 277, 49870-49876.	1.6	47
107	Expression cloning of a rat hepatic reduced glutathione transporter with canalicular characteristics.. Journal of Clinical Investigation, 1994, 93, 1841-1845.	3.9	46
108	Mitochondrial Cholesterol: A Connection Between Caveolin, Metabolism, and Disease. Traffic, 2011, 12, 1483-1489.	1.3	45

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109	Cathepsin B Overexpression Due to Acid Sphingomyelinase Ablation Promotes Liver Fibrosis in Niemann-Pick Disease. Journal of Biological Chemistry, 2012, 287, 1178-1188.	1.6	45
110	Inhibition of glutathione efflux in the perfused rat liver and isolated hepatocytes by organic anions and bilirubin. Kinetics, sidedness, and molecular forms.. Journal of Clinical Investigation, 1988, 82, 608-616.	3.9	45
111	Mitochondrial cholesterol accumulation in alcoholic liver disease: Role of ASMase and endoplasmic reticulum stress. Redox Biology, 2014, 3, 100-108.	3.9	44
112	Systemic effects of cigarette smoke exposure in the guinea pig. Respiratory Medicine, 2006, 100, 1186-1194.	1.3	43
113	Plasma Membrane and Mitochondrial Transport of Hepatic Reduced Glutathione. Seminars in Liver Disease, 1996, 16, 147-158.	1.8	42
114	Chronic Ethanol Feeding Induces Cellular Antioxidants Decrease and Oxidative Stress in Rat Peripheral Nerves. Effect of S-Adenosyl-l-Methionine and N-Acetyl-l-Cysteine. Free Radical Biology and Medicine, 1998, 25, 365-368.	1.3	42
115	Hepatocellular oxidative stress and initial graft injury in human liver transplantation. Journal of Hepatology, 1999, 31, 921-927.	1.8	42
116	Angiogenin Secretion From Hepatoma Cells Activates Hepatic Stellate Cells To Amplify A Self-Sustained Cycle Promoting Liver Cancer. Scientific Reports, 2015, 5, 7916.	1.6	42
117	Cysteine cathepsins control hepatic NF-Î¹B-dependent inflammation via sirtuin-1 regulation. Cell Death and Disease, 2016, 7, e2464-e2464.	2.7	42
118	Targeting glucosylceramide synthase upregulation reverts sorafenib resistance in experimental hepatocellular carcinoma. Oncotarget, 2016, 7, 8253-8267.	0.8	40
119	Role of Apoptosis in Alcoholic Liver Injury. Alcoholism: Clinical and Experimental Research, 2003, 27, 1207-1212.	1.4	38
120	Expression cloning of the cDNA for a polypeptide associated with rat hepatic sinusoidal reduced glutathione transport: characteristics and comparison with the canalicular transporter.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 1495-1499.	3.3	37
121	Mitochondrial Cholesterol in Alzheimer's Disease and Niemannâ€“Pick Type C Disease. Frontiers in Neurology, 2019, 10, 1168.	1.1	37
122	Gastric mucosal damage in experimental diabetes in rats: Role of endogenous glutathione. Gastroenterology, 1997, 112, 855-863.	0.6	36
123	Mitochondrial permeability transition induced by reactive oxygen species is independent of cholesterol-regulated membrane fluidity. FEBS Letters, 2004, 560, 63-68.	1.3	36
124	How Is the Liver Primed or Sensitized for Alcoholic Liver Disease?. Alcoholism: Clinical and Experimental Research, 2001, 25, 171S-181S.	1.4	36
125	STARD1 promotes NASH-driven HCC by sustaining the generation of bile acids through the alternative mitochondrial pathway. Journal of Hepatology, 2021, 74, 1429-1441.	1.8	34
126	Alcohol-induced liver disease: when fat and oxidative stress meet. Annals of Hepatology, 2003, 2, 69-75.	0.6	33

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127	Alcohol, Signaling, and ECM Turnover. Alcoholism: Clinical and Experimental Research, 2010, 34, 4-18.	1.4	33
128	Sphingomyelinases and Liver Diseases. Biomolecules, 2020, 10, 1497.	1.8	33
129	Pharmacological Modulation of Sphingolipids and Role in Disease and Cancer Cell Biology. Mini-Reviews in Medicinal Chemistry, 2007, 7, 371-382.	1.1	32
130	Acidic sphingomyelinase downregulates the liver-specific methionine adenosyltransferase 1A, contributing to tumor necrosis factorâ€“induced lethal hepatitis. Journal of Clinical Investigation, 2004, 113, 895-904.	3.9	32
131	Hepatocarcinogenesis and Ceramide/Cholesterol Metabolism. Anti-Cancer Agents in Medicinal Chemistry, 2012, 12, 364-375.	0.9	30
132	A Simple Technique to Determine Glutathione (GSH) Levels and Synthesis in Ocular Tissues as GSH-bimane Adduct: Application to Normal and Galactosemic Guinea-pigs. Experimental Eye Research, 1993, 56, 45-50.	1.2	29
133	Feeding S-adenosyl--methionine attenuates both ethanol-induced depletion of mitochondrial glutathione and mitochondrial dysfunction in periportal and perivenous rat hepatocytes*1. Hepatology, 1995, 21, 207-214.	3.6	29
134	Cholesterol and sphingolipids in alcohol-induced liver injury. Journal of Gastroenterology and Hepatology (Australia), 2008, 23, S9-S15.	1.4	29
135	The fluidity of liver plasma membranes from patients with different types of liver injury. Hepatology, 1986, 6, 714-717.	3.6	28
136	Liver Cholesterol Overload Aggravates Obstructive Cholestasis by Inducing Oxidative Stress and Premature Death in Mice. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-13.	1.9	26
137	GD3 Synthase Overexpression Sensitizes Hepatocarcinoma Cells to Hypoxia and Reduces Tumor Growth by Suppressing the cSrc/NF-ÎºB Survival Pathway. PLoS ONE, 2009, 4, e8059.	1.1	25
138	MITOCHONDRIAL CHOLESTEROL AND CANCER. Seminars in Cancer Biology, 2021, 73, 76-85.	4.3	24
139	Mitochondrial Sâ€Adenosylâ€<scp>l</scp>â€Methionine Transport is Insensitive to Alcoholâ€Mediated Changes in Membrane Dynamics. Alcoholism: Clinical and Experimental Research, 2009, 33, 1169-1180.	1.4	23
140	Consumption of decaffeinated coffee protects against the development of early non-alcoholic steatohepatitis: Role of intestinal barrier function. Redox Biology, 2019, 21, 101092.	3.9	23
141	Probiotic Sonicates Selectively Induce Mucosal Immune Cells Apoptosis through Ceramide Generation via Neutral Sphingomyelinase. PLoS ONE, 2011, 6, e16953.	1.1	23
142	Divergent role of ceramide generated by exogenous sphingomyelinases on NF-ÎºB activation and apoptosis in human colon HT-29 cells. FEBS Letters, 2002, 526, 15-20.	1.3	22
143	GDF11 exhibits tumor suppressive properties in hepatocellular carcinoma cells by restricting clonal expansion and invasion. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1540-1554.	1.8	22
144	Cholesterol Induces Nrf-2- and HIF-1Î±-Dependent Hepatocyte Proliferation and Liver Regeneration to Ameliorate Bile Acid Toxicity in Mouse Models of NASH and Fibrosis. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-18.	1.9	22

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145	Sphingosine 1-Phosphate Receptor 4 Promotes Nonalcoholic Steatohepatitis by Activating NLRP3 Inflammasome. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 925-947.	2.3	22
146	Conformationally restricted analogues of methionine: Synthesis of chiral 3-Amino-5-methylthio-2-piperidones. Tetrahedron, 1996, 52, 7727-7736.	1.0	20
147	Neutral sphingomyelinase-induced ceramide triggers germinal vesicle breakdown and oxidant-dependent apoptosis in Xenopus laevis oocytes. Journal of Lipid Research, 2007, 48, 1924-1935.	2.0	20
148	Acid ceramidase improves mitochondrial function and oxidative stress in Niemann-Pick type C disease by repressing STARD1 expression and mitochondrial cholesterol accumulation. Redox Biology, 2021, 45, 102052.	3.9	20
149	Functional properties of isolated hepatocytes from ethanol-treated rat liver. Hepatology, 1985, 5, 677-682.	3.6	19
150	Brain mitochondrial alterations after chronic alcohol consumption. Journal of Physiology and Biochemistry, 2009, 65, 305-312.	1.3	19
151	Metabolic Therapy: Lessons from Liver Diseases. Current Pharmaceutical Design, 2011, 17, 3933-3944.	0.9	19
152	Ceramide, Tumor Necrosis Factor and Alcohol-Induced Liver Disease. Alcoholism: Clinical and Experimental Research, 2005, 29, 158S-161S.	1.4	18
153	Mitochondria and the NLRP3 Inflammasome in Alcoholic and Nonalcoholic Steatohepatitis. Cells, 2022, 11, 1475.	1.8	16
154	The effect of zinc acexamate on oxidative stress, inflammation and mitochondria induced apoptosis in rat model of renal warm ischemia. Biomedicine and Pharmacotherapy, 2018, 105, 573-581.	2.5	15
155	Dietary and Genetic Cholesterol Loading Rather Than Steatosis Promotes Liver Tumorigenesis and NASH-Driven HCC. Cancers, 2021, 13, 4091.	1.7	14
156	Ceramide, tumor necrosis factor and alcohol-induced liver disease. Alcoholism: Clinical and Experimental Research, 2005, 29, 151S-157S.	1.4	14
157	Mitochondrial Cholesterol and the Paradox in Cell Death. Handbook of Experimental Pharmacology, 2016, 240, 189-210.	0.9	13
158	STARD1 and NPC1 expression as pathological markers associated with astrogliosis in post-mortem brains from patients with Alzheimer's disease and Down syndrome. Aging, 2020, 12, 571-592.	1.4	13
159	Evidence that interference with binding to hepatic cytosol binders can inhibit bile acid excretion in rats. Hepatology, 1996, 23, 1642-1649.	3.6	12
160	Differential modulation of interleukin 8 by interleukin 4 and interleukin 10 in HepG2 cells treated with acetaldehyde. Liver International, 2005, 25, 122-130.	1.9	12
161	GDF11 restricts aberrant lipogenesis and changes in mitochondrial structure and function in human hepatocellular carcinoma cells. Journal of Cellular Physiology, 2021, 236, 4076-4090.	2.0	11
162	Alcohol-induced liver disease: when fat and oxidative stress meet. Annals of Hepatology, 2003, 2, 69-75.	0.6	11

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163	Effect of indomethacin on the uptake, metabolism and excretion of 3-oxocholic acid: Studies in isolated hepatocytes and perfused rat liver. Lipids and Lipid Metabolism, 1991, 1084, 247-250.	2.6	8
164	Identification and Functional Analysis of Mutations in FAD-Binding Domain of Mitochondrial Glycerophosphate Dehydrogenase in Caucasian Patients with Type 2 Diabetes Mellitus. Endocrine, 2001, 16, 39-42.	2.2	8
165	Liver and lens glutathione and cysteine regulation in galactose-fed guinea pigs. Current Eye Research, 1997, 16, 365-371.	0.7	6
166	Augmenter of Liver Regeneration Links Mitochondrial Function to Steatohepatitis and Hepatocellular Carcinoma. Gastroenterology, 2015, 148, 285-288.	0.6	6
167	To binge or not to binge: Binge drinking disrupts glucose homeostasis by impairing hypothalamic but not liver insulin signaling. Hepatology, 2013, 57, 2535-2538.	3.6	4
168	Glutathione in Mammalian Biology. , 2014, , 617-644.		3
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170	Oxidative Stress and Liver Ischemiaâ€“Reperfusion Injury. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 149-170.	0.4	2
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