Montserrat Mari

List of Publications by Year
in descending order

75 papers	7,194 citations	66315 42 h-index	74108 75 g-index
77 all docs	77 docs citations	77 times ranked	10071 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	Selective glutathione depletion of mitochondria by ethanol sensitizes hepatocytes to tumor necrosis factor. Gastroenterology, 1998, 115, 1541-1551.	0.6	349
5	Mammalian lipid droplets are innate immune hubs integrating cell metabolism and host defense. Science, 2020, 370, .	6.0	245
6	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
7	CYP2E1-dependent toxicity and oxidative stress in HepG2 cells,. Free Radical Biology and Medicine, 2001, 31, 1539-1543.	1.3	190
8	Caveolin-1 Deficiency Causes Cholesterol-Dependent Mitochondrial Dysfunction and Apoptotic Susceptibility. Current Biology, 2011, 21, 681-686.	1.8	175
9	Oxidative stress: Role of mitochondria and protection by glutathione. BioFactors, 1998, 8, 7-11.	2.6	170
10	Mitochondrial glutathione: Features, regulation and role in disease. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3317-3328.	1.1	160
11	Redox Control of Liver Function in Health and Disease. Antioxidants and Redox Signaling, 2010, 12, 1295-1331.	2.5	155
12	Ghrelin attenuates hepatocellular injury and liver fibrogenesis in rodents and influences fibrosis progression in humans. Hepatology, 2010, 51, 974-985.	3.6	141
13	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
14	Induction of catalase, alpha, and microsomal glutathione S-transferase in CYP2E1 overexpressing HepG2 cells and protection against short-term oxidative stress. Hepatology, 2001, 33, 652-661.	3.6	123
15	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
16	CYP2E1 Overexpression in HepG2 Cells Induces Glutathione Synthesis by Transcriptional Activation of Î³-Glutamylcysteine Synthetase. Journal of Biological Chemistry, 2000, 275, 15563-15571.	1.6	112
17	Critical role of acidic sphingomyelinase in murine hepatic ischemia-reperfusion injury. Hepatology, 2006, 44, 561-572.	3.6	112
18	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

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19	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
20	Recent Insights into the Mitochondrial Role in Autophagy and Its Regulation by Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-16.	1.9	102
21	Cholesterol impairs autophagy-mediated clearance of amyloid beta while promoting its secretion. Autophagy, 2018, 14, 1129-1154.	4.3	97
22	Mechanism of Mitochondrial Glutathione-Dependent Hepatocellular Susceptibility to TNF Despite NF-ÎºB Activation. Gastroenterology, 2008, 134, 1507-1520.	0.6	96
23	Critical Role of Mitochondrial Glutathione in the Survival of Hepatocytes during Hypoxia. Journal of Biological Chemistry, 2005, 280, 3224-3232.	1.6	93
24	Cholesterol and peroxidized cardiolipin in mitochondrial membrane properties, permeabilization and cell death. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1217-1224.	0.5	90
25	Relevance of SIRT1-NF-ÎºB Axis as Therapeutic Target to Ameliorate Inflammation in Liver Disease. International Journal of Molecular Sciences, 2020, 21, 3858.	1.8	90
26	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
27	Mitochondrial Glutathione: Recent Insights and Role in Disease. Antioxidants, 2020, 9, 909.	2.2	89
28	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
29	Mitochondrial dysfunction in non-alcoholic fatty liver disease and insulin resistance: Cause or consequence?. Free Radical Research, 2013, 47, 854-868.	1.5	82
30	Cathepsins B and D drive hepatic stellate cell proliferation and promote their fibrogenic potential. Hepatology, 2009, 49, 1297-1307.	3.6	80
31	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
32	Ileal <scp>FGF</scp>15 contributes to fibrosisâ€associated hepatocellular carcinoma development. International Journal of Cancer, 2015, 136, 2469-2475.	2.3	79
33	Sphingolipid signalling and liver diseases. Liver International, 2007, 27, 440-450.	1.9	78
34	Acidic Sphingomyelinase Controls Hepatic Stellate Cell Activation and in Vivo Liver Fibrogenesis. American Journal of Pathology, 2010, 177, 1214-1224.	1.9	78
35	Glycosphingolipids and mitochondria: Role in apoptosis and disease. Glycoconjugate Journal, 2003, 20, 579-588.	1.4	70
36	Growth arrest-specific protein 6 is hepatoprotective against murine ischemia/reperfusion injury. Hepatology, 2010, 52, 1371-1379.	3.6	70

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37	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
38	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
39	CYP2E1-dependent toxicity and up-regulation of antioxidant genes. Journal of Biomedical Science, 2001, 8, 52-58.	2.6	49
40	Mitochondrial Cholesterol: A Connection Between Caveolin, Metabolism, and Disease. Traffic, 2011, 12, 1483-1489.	1.3	45
41	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
42	Mitochondrial cholesterol accumulation in alcoholic liver disease: Role of ASMase and endoplasmic reticulum stress. Redox Biology, 2014, 3, 100-108.	3.9	44
43	Antiapoptotic BCL-2 proteins determine sorafenib/regorafenib resistance and BH3-mimetic efficacy in hepatocellular carcinoma. Oncotarget, 2018, 9, 16701-16717.	0.8	44
44	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
45	Cysteine cathepsins control hepatic NF-Î¹B-dependent inflammation via sirtuin-1 regulation. Cell Death and Disease, 2016, 7, e2464-e2464.	2.7	42
46	Bradykinin Attenuates Hepatocellular Damage and Fibrosis in Rats With Chronic Liver Injury. Gastroenterology, 2007, 133, 2019-2028.	0.6	41
47	Targeting glucosylceramide synthase upregulation reverts sorafenib resistance in experimental hepatocellular carcinoma. Oncotarget, 2016, 7, 8253-8267.	0.8	40
48	A Functional Role of GAS6/TAM in Nonalcoholic Steatohepatitis Progression Implicates AXL as Therapeutic Target. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 349-368.	2.3	39
49	Cholesterol alters mitophagy by impairing optineurin recruitment and lysosomal clearance in Alzheimerâ€™s disease. Molecular Neurodegeneration, 2021, 16, 15.	4.4	37
50	Mitochondrial permeability transition induced by reactive oxygen species is independent of cholesterol-regulated membrane fluidity. FEBS Letters, 2004, 560, 63-68.	1.3	36
51	Role of Vitamin K-Dependent Factors Protein S and GAS6 and TAM Receptors in SARS-CoV-2 Infection and COVID-19-Associated Immunothrombosis. Cells, 2020, 9, 2186.	1.8	34
52	Hepatocellular Carcinoma: Molecular Pathogenesis and Therapeutic Advances. Cancers, 2022, 14, 621.	1.7	34
53	Alcohol, Signaling, and ECM Turnover. Alcoholism: Clinical and Experimental Research, 2010, 34, 4-18.	1.4	33
54	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

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55	Toxicity by pyruvate in HepG2 cells depleted of glutathione: role of mitochondria. Free Radical Biology and Medicine, 2002, 32, 73-83.	1.3	31
56	Cytochrome P450 2E1 responsiveness in the promoter of glutamate-cysteine ligase catalytic subunit. Hepatology, 2003, 37, 96-106.	3.6	31
57	Hepatocarcinogenesis and Ceramide/Cholesterol Metabolism. Anti-Cancer Agents in Medicinal Chemistry, 2012, 12, 364-375.	0.9	30
58	Oxidative inactivation of amyloid beta-degrading proteases by cholesterol-enhanced mitochondrial stress. Redox Biology, 2019, 26, 101283.	3.9	27
59	Differential Role of Cathepsins S and B In Hepatic APC-Mediated NKT Cell Activation and Cytokine Secretion. Frontiers in Immunology, 2018, 9, 391.	2.2	24
60	Growth Arrest-Specific Factor 6 (GAS6) Is Increased in COVID-19 Patients and Predicts Clinical Outcome. Biomedicines, 2021, 9, 335.	1.4	24
61	Adenovirus-Mediated Overexpression of Catalase in the Cytosolic or Mitochondrial Compartment Protects against Toxicity Caused by Glutathione Depletion in HepG2 Cells Expressing CYP2E1. Journal of Pharmacology and Experimental Therapeutics, 2002, 301, 111-118.	1.3	22
62	Divergent role of ceramide generated by exogenous sphingomyelinases on NF-Î¹B activation and apoptosis in human colon HT-29 cells. FEBS Letters, 2002, 526, 15-20.	1.3	22
63	Metabolic Therapy: Lessons from Liver Diseases. Current Pharmaceutical Design, 2011, 17, 3933-3944.	0.9	19
64	Ceramide, Tumor Necrosis Factor and Alcohol-Induced Liver Disease. Alcoholism: Clinical and Experimental Research, 2005, 29, 158S-161S.	1.4	18
65	Impaired liver regeneration in Ldlrâ^'/â^' mice is associated with an altered hepatic profile of cytokines, growth factors, and lipids. Journal of Hepatology, 2013, 59, 731-737.	1.8	18
66	A Nutraceutical Rich in Docosahexaenoic Acid Improves Portal Hypertension in a Preclinical Model of Advanced Chronic Liver Disease. Nutrients, 2019, 11, 2358.	1.7	13
67	Regorafenib Alteration of the BCL-xL/MCL-1 Ratio Provides a Therapeutic Opportunity for BH3-Mimetics in Hepatocellular Carcinoma Models. Cancers, 2020, 12, 332.	1.7	13
68	Antioxidants Threaten Multikinase Inhibitor Efficacy against Liver Cancer by Blocking Mitochondrial Reactive Oxygen Species. Antioxidants, 2021, 10, 1336.	2.2	11
69	Mitochondrial Oxidative and Nitrosative Stress as a Therapeutic Target in Diseases. Antioxidants, 2021, 10, 314.	2.2	8
70	CYP2E1-Dependent Toxicity and Up-Regulation of Antioxidant Genes. Journal of Biomedical Science, 2001, 8, 52-58.	2.6	7
71	Genetic and clinical data reinforce the role of GAS6 and TAM receptors in liver fibrosis. Journal of Hepatology, 2016, 64, 983-984.	1.8	7
72	Oxidative Stress in Nonalcoholic Fatty Liver Disease. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 279-308.	0.4	1

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73	Bone morphogenetic protein-9/activin-like kinase 1 axis a new target for hepatic regeneration and fibrosis treatment in liver injury. Hepatobiliary Surgery and Nutrition, 2017, 6, 414-416.	0.7	1
74	IGFBP-3: So Much More Than an IGF1/2 Binding Protein. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 643-644.	2.3	1
75	AXL inhibition prevents NAFLD progression in mice with soluble AXL as marker of the NAFLD to NASH transition. Journal of Hepatology, 2020, 73, S655-S656.	1.8	0