John J Lemasters

List of Publications by Year
in descending order

		8181	3732
198	35,030	76	179
papers	citations	h-index	g-index

203	203	203	41920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mitochondrial depolarization after acute ethanol treatment drives mitophagy in living mice. Autophagy, 2022, 18, 2671-2685.	9.1	18
2	The role of Iron in lipid peroxidation and protein nitration during acetaminophen-induced liver injury in mice. Toxicology and Applied Pharmacology, 2022, 445, 116043.	2.8	17
3	Platanosides, a Potential Botanical Drug Combination, Decrease Liver Injury Caused by Acetaminophen Overdose in Mice. Journal of Natural Products, 2022, 85, 1779-1788.	3.0	3
4	Metabolic implications of non-electrogenic ATP/ADP exchange in cancer cells: A mechanistic basis for the Warburg effect. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148410.	1.0	16
5	Molecular mechanisms of cell death. , 2020, , 1-18.		0
6	Suppression of iron mobilization from lysosomes to mitochondria attenuates liver injury after acetaminophen overdose in vivo in mice: Protection by minocycline. Toxicology and Applied Pharmacology, 2020, 392, 114930.	2.8	20
7	Aldehyde dehydrogenase-2 activation decreases acetaminophen hepatotoxicity by prevention of mitochondrial depolarization. Toxicology and Applied Pharmacology, 2020, 396, 114982.	2.8	16
8	Iron loss triggers mitophagy through induction of mitochondrial ferritin. EMBO Reports, 2020, 21, e50202.	4.5	64
9	Mitochondrial protein import is regulated by p17/PERMIT to mediate lipid metabolism and cellular stress. Science Advances, 2019, 5, eaax1978.	10.3	39
10	Aldehyde dehydrogenase-2 activation by Alda-1 decreases necrosis and fibrosis after bile duct ligation in mice. Free Radical Biology and Medicine, 2019, 145, 136-145.	2.9	9
11	Role of mitochondrial depolarization and disrupted mitochondrial homeostasis in non-alcoholic steatohepatitis and fibrosis in mice. International Journal of Physiology, Pathophysiology and Pharmacology, 2019, 11, 190-204.	0.8	11
12	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
13	Acid sphingomyelinase promotes mitochondrial dysfunction due to glutamate-induced regulated necrosis. Journal of Lipid Research, 2018, 59, 312-329.	4.2	55
14	Opening of voltage dependent anion channels promotes reactive oxygen species generation, mitochondrial dysfunction and cell death in cancer cells. Biochemical Pharmacology, 2018, 148, 155-162.	4.4	139
15	Molecular Mechanisms of Cell Death. , 2018, , 1-24.		7
16	Erastin-Like Anti-Warburg Agents Prevent Mitochondrial Depolarization Induced by Free Tubulin and Decrease Lactate Formation in Cancer Cells. SLAS Discovery, 2018, 23, 23-33.	2.7	29
17	HDAC1 localizes to the mitochondria of cardiac myocytes and contributes to early cardiac reperfusion injury. Journal of Molecular and Cellular Cardiology, 2018, 114, 309-319.	1.9	48
18	A Screen Using iPSC-Derived Hepatocytes Reveals NAD+ as a Potential Treatment for mtDNA Depletion Syndrome. Cell Reports, 2018, 25, 1469-1484.e5.	6.4	36

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19	Mitophagy in hepatocytes: Types, initiators and role in adaptive ethanol metabolism. Liver Research, 2018, 2, 125-132.	1.4	34
20	Imaging of Mitochondrial pH Using SNARF-1. Methods in Molecular Biology, 2018, 1782, 351-356.	0.9	5
21	The role of mitochondrial KATP channel in anti-inflammatory effects of uridine in endotoxemic mice. Archives of Biochemistry and Biophysics, 2018, 654, 70-76.	3.0	23
22	A Unifying Hypothesis Linking Hepatic Adaptations for Ethanol Metabolism to the Proinflammatory and Profibrotic Events of Alcoholic Liver Disease. Alcoholism: Clinical and Experimental Research, 2018, 42, 2072-2089.	2.4	34
23	A New Membrane Potential (Î”Î¨)â€Independent Iron Indicator Selectively Detects Mitochondrial Chelatable Iron but Not Calcium in Living Cells. FASEB Journal, 2018, 32, 657.6.	0.5	0
24	A novel role of sphingolipids and mitochondria in glutamateâ€induced programmed necrosis in oligodendrocytes. FASEB Journal, 2018, 32, 540.3.	0.5	0
25	Glutamate contributes to alcohol hepatotoxicity by enhancing oxidative stress in mitochondria. Journal of Bioenergetics and Biomembranes, 2017, 49, 253-264.	2.3	17
26	Voltage-Dependent Anion Channels and Tubulin: Bioenergetic Controllers in Cancer Cells. Biological and Medical Physics Series, 2017, , 121-140.	0.4	0
27	Compartmentation of Mitochondrial and Oxidative Metabolism in Growing Hair Follicles: A Ring of Fire. Journal of Investigative Dermatology, 2017, 137, 1434-1444.	0.7	38
28	2â€²,3â€²-Cyclic nucleotide 3â€²-phosphodiesterase as a messenger of protection of the mitochondrial function during melatonin treatment in aging. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 94-103.	2.6	24
29	Evolution of Voltage-Dependent Anion Channel Function: From Molecular Sieve to Governator to Actuator of Ferroptosis. Frontiers in Oncology, 2017, 7, 303.	2.8	51
30	Editorial: Uncovering the Function of the Mitochondrial Protein VDAC in Health and Disease: From Structure-Function to Novel Therapeutic Strategies. Frontiers in Oncology, 2017, 7, 320.	2.8	5
31	7 Enhanced efficacy of photodynamic therapy via an ironâ€“lysosomeâ€“mitochondria connection. Series in Cellular and Clinical Imaging, 2017, , 117-130.	0.2	1
32	8-pCPT-cGMP prevents mitochondrial depolarization and improves the outcome of steatotic partial liver transplantation. International Journal of Physiology, Pathophysiology and Pharmacology, 2017, 9, 69-83.	0.8	3
33	Effect of the CRAC Peptide, VLNYYVW, on mPTP Opening in Rat Brain and Liver Mitochondria. International Journal of Molecular Sciences, 2016, 17, 2096.	4.1	7
34	ATP/ADP Turnover and Import of Glycolytic ATP into Mitochondria in Cancer Cells Is Independent of the Adenine Nucleotide Translocator. Journal of Biological Chemistry, 2016, 291, 19642-19650.	3.4	44
35	Translocation of iron from lysosomes to mitochondria during acetaminophen-induced hepatocellular injury: Protection by starch-desferal and minocycline. Free Radical Biology and Medicine, 2016, 97, 418-426.	2.9	59
36	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701

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37	Low Dose Acetaminophen Induces Reversible Mitochondrial Dysfunction Associated with Transient c-Jun N-Terminal Kinase Activation in Mouse Liver. Toxicological Sciences, 2016, 150, 204-215.	3.1	86
38	Ethanol and High Cholesterol Diet Causes Severe Steatohepatitis and Early Liver Fibrosis in Mice. PLoS ONE, 2016, 11, e0163342.	2.5	16
39	The mitochondria-targeted antioxidant MitoQ attenuates liver fibrosis in mice. International Journal of Physiology, Pathophysiology and Pharmacology, 2016, 8, 14-27.	0.8	45
40	Disrupted Renal Mitochondrial Homeostasis after Liver Transplantation in Rats. PLoS ONE, 2015, 10, e0140906.	2.5	3
41	Effect of surface-potential modulators on the opening of lipid pores in liposomal and mitochondrial inner membranes induced by palmitate and calcium ions. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2200-2205.	2.6	10
42	Improvement of liver injury and survival by JNK2 and iNOS deficiency in liver transplants from cardiac death mice. Journal of Hepatology, 2015, 63, 68-74.	3.7	14
43	650 Activation of Aldehyde Dehydrogenase-2 Attenuates Chronic Ethanol-Induced Steatohepatitis. Gastroenterology, 2015, 148, S-989-S-990.	1.3	2
44	Acute Ethanol Causes Hepatic Mitochondrial Depolarization in Mice: Role of Ethanol Metabolism. PLoS ONE, 2014, 9, e91308.	2.5	51
45	ADAM17 promotes proliferation of collecting duct kidney epithelial cells through ERK activation and increased glycolysis in polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2014, 307, F551-F559.	2.7	35
46	Minocycline and Doxycycline, But Not Tetracycline, Mitigate Liver and Kidney Injury After Hemorrhagic Shock/Resuscitation. Shock, 2014, 42, 256-263.	2.1	25
47	Variants of mitochondrial autophagy: Types 1 and 2 mitophagy and micromitophagy (Type 3). Redox Biology, 2014, 2, 749-754.	9.0	251
48	Carbenoxolone induces permeability transition pore opening in rat mitochondria via the translocator protein TSPO and connexin43. Archives of Biochemistry and Biophysics, 2014, 558, 87-94.	3.0	11
49	ATP/ADP ratio, the missed connection between mitochondria and the Warburg effect. Mitochondrion, 2014, 19, 78-84.	3.4	141
50	Cyclosporin A in left ventricular remodeling after myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H53-H59.	3.2	9
51	Reply to â€œLetter to the editor: â€˜Cyclosporin A in left ventricular remodeling after myocardial infarctionâ€™â€• American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H778-H779.	3.2	0
52	N-acetyl-l-cysteine sensitizes pancreatic cancers to gemcitabine by targeting the NFÎºB pathway. Biomedicine and Pharmacotherapy, 2014, 68, 855-864.	5.6	23
53	Minocycline and doxycycline, but not other tetracycline-derived compounds, protect liver cells from chemical hypoxia and ischemia/reperfusion injury by inhibition of the mitochondrial calcium uniporter. Toxicology and Applied Pharmacology, 2013, 273, 172-179.	2.8	63
54	Translocation of iron from lysosomes to mitochondria during ischemia predisposes to injury after reperfusion in rat hepatocytes. Free Radical Biology and Medicine, 2013, 63, 243-253.	2.9	54

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55	Hepatotoxicity Due to Mitochondrial Injury. , 2013, , 85-100.		10
56	Functions of autophagy in normal and diseased liver. Autophagy, 2013, 9, 1131-1158.	9.1	384
57	Mitoferrin-2-dependent Mitochondrial Iron Uptake Sensitizes Human Head and Neck Squamous Carcinoma Cells to Photodynamic Therapy. Journal of Biological Chemistry, 2013, 288, 677-686.	3.4	53
58	Voltage-dependent Anion Channels Modulate Mitochondrial Metabolism in Cancer Cells. Journal of Biological Chemistry, 2013, 288, 11920-11929.	3.4	197
59	Mitotracker probes and mitochondrial membrane potential. Shock, 2013, 39, 543.	2.1	43
60	Minocycline Decreases Liver Injury after Hemorrhagic Shock and Resuscitation in Mice. HPB Surgery, 2012, 2012, 1-9.	2.2	10
61	ICAM-1 Upregulation in Ethanol-Induced Fatty Murine Livers Promotes Injury and Sinusoidal Leukocyte Adherence after Transplantation. HPB Surgery, 2012, 2012, 1-10.	2.2	5
62	C-Jun N-Terminal Kinase 2 Promotes Liver Injury via the Mitochondrial Permeability Transition after Hemorrhage and Resuscitation. HPB Surgery, 2012, 2012, 1-9.	2.2	4
63	Ethanol Suppresses Ureagenesis in Rat Hepatocytes. Journal of Biological Chemistry, 2012, 287, 7692-7700.	3.4	45
64	Autophagy in Alcoholâ€Induced Liver Diseases. Alcoholism: Clinical and Experimental Research, 2012, 36, 1301-1308.	2.4	91
65	Lysosomal Instability and Cathepsin <scp>B</scp> Release during Acetaminophen Hepatotoxicity. Basic and Clinical Pharmacology and Toxicology, 2012, 111, 417-425.	2.5	30
66	Warburg Revisited: Regulation of Mitochondrial Metabolism by Voltage-Dependent Anion Channels in Cancer Cells. Journal of Pharmacology and Experimental Therapeutics, 2012, 342, 637-641.	2.5	93
67	Sphingosine kinase-2 inhibition improves mitochondrial function and survival after hepatic ischemiaâ€“reperfusion. Journal of Hepatology, 2012, 56, 137-145.	3.7	51
68	Regulation of mitochondrial function by voltage dependent anion channels in ethanol metabolism and the Warburg effect. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1536-1544.	2.6	38
69	Mitochondrial permeability transition in rat hepatocytes after anoxia/reoxygenation: role of Ca²⁺-dependent mitochondrial formation of reactive oxygen species. American Journal of Physiology - Renal Physiology, 2012, 302, G723-G731.	3.4	71
70	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
71	Lysosomal Signaling Enhances Mitochondriaâ€Mediated Photodynamic Therapy in A431 Cancer Cells: Role of Iron. Photochemistry and Photobiology, 2012, 88, 461-468.	2.5	20
72	Role of inducible nitric oxide synthase in mitochondrial depolarization and graft injury after transplantation of fatty livers. Free Radical Biology and Medicine, 2012, 53, 250-259.	2.9	18

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73	Inhibition of Sphingosine Kinase-2 Suppresses Inflammation and Attenuates Graft Injury after Liver Transplantation in Rats. PLoS ONE, 2012, 7, e41834.	2.5	34
74	Ischemiaâ€induced mobilization of lysosomal iron predisposes rat hepatocytes to ischemiaâ€reperfusion (IR) injury. FASEB Journal, 2012, 26, 678.6.	0.5	0
75	Cyclophilin D deficiency protects against acetaminophen-induced oxidant stress and liver injury. Free Radical Research, 2011, 45, 156-164.	3.3	125
76	Phosphorylation of Voltage-Dependent Anion Channel by Serine/Threonine Kinases Governs Its Interaction with Tubulin. PLoS ONE, 2011, 6, e25539.	2.5	87
77	Mitophagy Selectively Degrades Individual Damaged Mitochondria After Photoirradiation. Antioxidants and Redox Signaling, 2011, 14, 1919-1928.	5.4	166
78	Apoptosis-Inducing Factor Modulates Mitochondrial Oxidant Stress in Acetaminophen Hepatotoxicity. Toxicological Sciences, 2011, 122, 598-605.	3.1	108
79	Mitochondrial degradation by autophagy (mitophagy) in GFP-LC3 transgenic hepatocytes during nutrient deprivation. American Journal of Physiology - Cell Physiology, 2011, 300, C308-C317.	4.6	132
80	NIM811 Prevents Mitochondrial Dysfunction, Attenuates Liver Injury, and Stimulates Liver Regeneration After Massive Hepatectomy. Transplantation, 2011, 91, 406-412.	1.0	39
81	c-Jun N-terminal kinase modulates oxidant stress and peroxynitrite formation independent of inducible nitric oxide synthase in acetaminophen hepatotoxicity. Toxicology and Applied Pharmacology, 2010, 246, 8-17.	2.8	234
82	Minocycline protects against the mitochondria permeability transition after both warm and cold ischemia-reperfusion. Hepatology, 2010, 51, 349-350.	7.3	2
83	Molecular Mechanisms of Cell Death. , 2010, , 3-14.		0
84	Mechanisms of Pathogenesis in Drug Hepatotoxicity Putting the Stress on Mitochondria. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2010, 10, 98-111.	3.4	76
85	Free Tubulin Modulates Mitochondrial Membrane Potential in Cancer Cells. Cancer Research, 2010, 70, 10192-10201.	0.9	186
86	Inhibition of the mitochondrial permeability transition by protein kinase A in rat liver mitochondria and hepatocytes. Biochemical Journal, 2010, 431, 411-421.	3.7	28
87	Lysosomal Iron Mobilization and Induction of the Mitochondrial Permeability Transition in Acetaminophen-Induced Toxicity to Mouse Hepatocytes. Toxicological Sciences, 2010, 117, 101-108.	3.1	87
88	The Oxygen Tension Modulates Acetaminophen-Induced Mitochondrial Oxidant Stress and Cell Injury in Cultured Hepatocytes. Toxicological Sciences, 2010, 117, 515-523.	3.1	81
89	Closure of VDAC causes oxidative stress and accelerates the Ca2+-induced mitochondrial permeability transition in rat liver mitochondria. Archives of Biochemistry and Biophysics, 2010, 495, 174-181.	3.0	67
90	Role of Ethanol Metabolism in Intravital Hepatic Mitochondrial Depolarization. FASEB Journal, 2010, 24, 665.7.	0.5	0

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91	Molecular Mechanisms of Cell Death. , 2009, , 3-24.		1
92	Roles of mitophagy and the mitochondrial permeability transition in remodeling of cultured rat hepatocytes. Autophagy, 2009, 5, 1099-1106.	9.1	101
93	Signaling from lysosomes enhances mitochondria-mediated photodynamic therapy in cancer cells. Proceedings of SPIE, 2009, 7380, 1-8.	0.8	11
94	Mitochondrial calcium and the permeability transition in cell death. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 1395-1401.	1.0	541
95	Ethanol exposure decreases mitochondrial outer membrane permeability in cultured rat hepatocytes. Archives of Biochemistry and Biophysics, 2009, 481, 226-233.	3.0	49
96	Minocycline and N-methyl-4-isoleucine cyclosporin (NIM811) mitigate storage/reperfusion injury after rat liver transplantation through suppression of the mitochondrial permeability transition. Hepatology, 2008, 47, 236-246.	7.3	100
97	Translocation of iron from lysosomes into mitochondria is a key event during oxidative stress-induced hepatocellular injury. Hepatology, 2008, 48, 1644-1654.	7.3	126
98	Mitochondrial Bax Translocation Accelerates DNA Fragmentation and Cell Necrosis in a Murine Model of Acetaminophen Hepatotoxicity. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 8-14.	2.5	161
99	Cyclosporine in Acute Myocardial Infarction. New England Journal of Medicine, 2008, 359, 2286-2289.	27.0	2
100	NIM811 (N-Methyl-4-isoleucine Cyclosporine), a Mitochondrial Permeability Transition Inhibitor, Attenuates Cholestatic Liver Injury but Not Fibrosis in Mice. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 699-706.	2.5	42
101	Activation of the oxygen-sensing signal cascade prevents mitochondrial injury after mouse liver ischemia-reperfusion. American Journal of Physiology - Renal Physiology, 2008, 295, G823-G832.	3.4	75
102	Mitochondrial Permeability Transition in Liver Ischemia and Reperfusion: Role of c-Jun N-Terminal Kinase 2. Transplantation, 2008, 85, 1500-1504.	1.0	69
103	THE MITOCHONDRIAL PERMEABILITY TRANSITION (MPT) AFTER LIVER ISCHEMIA AND REPERFUSION: ROLE OF Câ€JUN Nâ€TERMINAL KINASE 2 (JNK2). FASEB Journal, 2008, 22, 1190.7.	0.5	0
104	Suppression of the mitochondrial permeability transition (MPT) with NIM811 mitigates storage/reperfusion injury and improves graft survival after rat liver transplantation (LT). FASEB Journal, 2008, 22, 730.6.	0.5	0
105	Selective degradation of mitochondria by mitophagy. Archives of Biochemistry and Biophysics, 2007, 462, 245-253.	3.0	1,385
106	Imaging of Mitochondrial Polarization and Depolarization with Cationic Fluorophores. Methods in Cell Biology, 2007, 80, 283-295.	1.1	111
107	Modulation of mitochondrial membrane permeability in pathogenesis, autophagy and control of metabolism. Journal of Gastroenterology and Hepatology (Australia), 2007, 22, S31-S37.	2.8	87
108	ICAMâ€1 UPREGULATION IN FATTY LIVERS OF ETHANOLâ€TREATED DONOR MICE PROMOTES INJURY AND SINUSOIDAL LEUKOCYTE ADHERENCE AFTER TRANSPLANTATION. FASEB Journal, 2007, 21, A1218.	0.5	0

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109	Dynamics of Mitophagy During Nutrient Deprivation to Hepatocytes. FASEB Journal, 2007, 21, A669.	0.5	0
110	Intravital Imaging of Liver Function: Moving Beyond Microcirculation. FASEB Journal, 2007, 21, A88.	0.5	0
111	Voltage-dependent anion channel (VDAC) as mitochondrial governatorâ€"Thinking outside the box. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2006, 1762, 181-190.	3.8	377
112	Apoptosis and Necrosis in the Liver: A Tale of Two Deaths?. Hepatology, 2006, 43, S31-S44.	7.3	613
113	Tracker Dyes to Probe Mitochondrial Autophagy (Mitophagy) in Rat Hepatocytes. Autophagy, 2006, 2, 39-46.	9.1	316
114	Reactive oxygen species, but not Ca2+ overloading, trigger pH- and mitochondrial permeability transition-dependent death of adult rat myocytes after ischemia-reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H2024-H2034.	3.2	264
115	Peroxynitrite-Induced Mitochondrial and Endonuclease-Mediated Nuclear DNA Damage in Acetaminophen Hepatotoxicity. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 879-887.	2.5	319
116	Dephosphorylation of the Rieske ironâ€"sulfur protein after induction of the mitochondrial permeability transition. Biochemical and Biophysical Research Communications, 2005, 334, 829-837.	2.1	28
117	Dying a Thousand Deaths: Redundant Pathways From Different Organelles to Apoptosis and Necrosis. Gastroenterology, 2005, 129, 351-360.	1.3	133
118	Selective Mitochondrial Autophagy, or Mitophagy, as a Targeted Defense Against Oxidative Stress, Mitochondrial Dysfunction, and Aging. Rejuvenation Research, 2005, 8, 3-5.	1.8	1,081
119	Mitochondrial permeability transition in acetaminophen-induced necrosis and apoptosis of cultured mouse hepatocytes. Hepatology, 2004, 40, 1170-1179.	7.3	441
120	Nitric oxide protects rat hepatocytes against reperfusion injury mediated by the mitochondrial permeability transition. Hepatology, 2004, 39, 1533-1543.	7.3	105
121	Acetaminophen-Induced Oxidant Stress and Cell Injury in Cultured Mouse Hepatocytes: Protection by N-Acetyl Cysteine. Toxicological Sciences, 2004, 80, 343-349.	3.1	249
122	Rusty notions of cell injury. Journal of Hepatology, 2004, 40, 696-698.	3.7	20
123	Discrimination of depolarized from polarized mitochondria by confocal fluorescence resonance energy transfer. Archives of Biochemistry and Biophysics, 2004, 422, 145-152.	3.0	56
124	Bid activates multiple mitochondrial apoptotic mechanisms in primary hepatocytes after death receptor engagement. Gastroenterology, 2003, 125, 854-867.	1.3	75
125	Apoptosis versus oncotic necrosis in hepatic ischemia/reperfusion injury. Gastroenterology, 2003, 125, 1246-1257.	1.3	541
126	Mitochondrial permeability transition in the switch from necrotic to apoptotic cell death in ischemic rat hepatocytes. Gastroenterology, 2003, 124, 494-503.	1.3	189

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127	Mitochondrial permeability transition: a common pathway to necrosis and apoptosis. Biochemical and Biophysical Research Communications, 2003, 304, 463-470.	2.1	685
128	Heat Shock Suppresses the Permeability Transition in Rat Liver Mitochondria. Journal of Biological Chemistry, 2003, 278, 16755-16760.	3.4	68
129	Cyclophilin D as a Drug Target. Current Medicinal Chemistry, 2003, 10, 1485-1506.	2.4	216
130	Inhibition of the Mitochondrial Permeability Transition by the Nonimmunosuppressive Cyclosporin Derivative NIM811. Molecular Pharmacology, 2002, 62, 22-29.	2.3	266
131	Mechanisms of Hepatotoxicity. Toxicological Sciences, 2002, 65, 166-176.	3.1	1,043
132	Regulated and unregulated mitochondrial permeability transition pores: a new paradigm of pore structure and function?. FEBS Letters, 2002, 512, 1-7.	2.8	355
133	Role of Mitochondrial Inner Membrane Permeabilization in Necrotic Cell Death, Apoptosis, and Autophagy. Antioxidants and Redox Signaling, 2002, 4, 769-781.	5.4	331
134	TRAIL-mediated apoptosis requires NF-k B inhibition and the mitochondrial permeability transition in human hepatoma cells. Hepatology, 2002, 36, 1498-1508.	7.3	88
135	Ischemic preconditioning of rat livers against cold storage-reperfusion injury: Role of nonparenchymal cells and the phenomenon of heterologous preconditioning. Liver Transplantation, 2001, 7, 292-299.	2.4	70
136	The mitochondrial permeability transition initiates autophagy in rat hepatocytes. FASEB Journal, 2001, 15, 1-17.	0.5	539
137	Accelerated Mitochondrial Reactive Oxygen Species Formation Induces Onsá º t of the Mitochondrial Permeability Transition and Mitochondrial Swelling in Cultured Hepatocytes After TNFÎ± Exposure. Microscopy and Microanalysis, 2001, 7, 604-605.	0.4	0
138	Apoptosis and the laws of thermodynamics. Nature Cell Biology, 2000, 2, E172-E172.	10.3	9
139	Contribution of adenosine A2 receptors and cyclic adenosine monophosphate to protective ischemic preconditioning of sinusoidal endothelial cells against storage/reperfusion injury in rat livers. Hepatology, 2000, 32, 297-302.	7.3	111
140	The Mitochondrial Permeability Transition Augments Fas-induced Apoptosis in Mouse Hepatocytes. Journal of Biological Chemistry, 2000, 275, 11814-11823.	3.4	135
141	Mitochondrial Calcium Transients in Adult Rabbit Cardiac Myocytes: Inhibition by Ruthenium Red and Artifacts Caused by Lysosomal Loading of Ca2+-Indicating Fluorophores. Biophysical Journal, 2000, 79, 39-50.	0.5	136
142	V. Necrapoptosis and the mitochondrial permeability transition: shared pathways to necrosis and apoptosis. American Journal of Physiology - Renal Physiology, 1999, 276, G1-G6.	3.4	166
143	Quenching or Misalignment? Confocal Microscopy Onset of the Mitochondrial Permeability Transition in Cultured Hepatocytes. Microscopy and Microanalysis, 1999, 5, 468-469.	0.4	4
144	The mitochondrial permeability transition and the calcium, oxygen and pH paradoxes: one paradox after another. Cardiovascular Research, 1999, 44, 470-473.	3.8	47

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145	Amino acids in rinse effluents as a predictor of graft function after transplantation of fatty livers in rats. Transplant International, 1999, 12, 168-175.	1.6	5
146	Gentle organ manipulation during harvest as a key determinant of survival of fatty livers after transplantation in the rat. Transplant International, 1999, 12, 351-359.	1.6	25
147	The Mitochondrial Permeability Transition Mediates Both Necrotic and Apoptotic Death of Hepatocytes Exposed to Br-A23187. Toxicology and Applied Pharmacology, 1999, 154, 117-125.	2.8	148
148	Mitochondrial dysfunction in the pathogenesis of necrotic and apoptotic cell death. Journal of Bioenergetics and Biomembranes, 1999, 31, 305-319.	2.3	347
149	Contribution of increased mitochondrial free Ca2+ to the mitochondrial permeability transition induced bytert-butylhydroperoxide in rat hepatocytes. Hepatology, 1999, 29, 1523-1531.	7.3	120
150	[29] Confocal imaging of Ca2+, pH, electrical potential, and membrane permeability in single living cells. Methods in Enzymology, 1999, 302, 341-358.	1.0	33
151	Amino acids in rinse effluents as a predictor of graft function after transplantation of fatty livers in rats. Transplant International, 1999, 12, 168-175.	1.6	8
152	Gentle organ manipulation during harvest as a key determinant of survival of fatty livers after transplantation in the rat. Transplant International, 1999, 12, 351-359.	1.6	11
153	Confocal microscopy of the mitochondrial permeability transition in necrotic and apoptotic cell death. Biochemical Society Symposia, 1999, 66, 205-222.	2.7	26
154	Mitochondrial Ca2+ transients in cardiac myocytes during the excitation-contraction cycle: effects of pacing and hormonal stimulation. Journal of Bioenergetics and Biomembranes, 1998, 30, 207-222.	2.3	52
155	Confocal microscopy of the mitochondrial permeability transition in necrotic cell killing, apoptosis and autophagy. BioFactors, 1998, 8, 283-285.	5.4	72
156	Mitochondrial dysfunction and cytoskeletal disruption during chemical hypoxia to cultured rat hepatic sinusoidal endothelial cells: The pH paradox and cytoprotection by glucose, acidotic pH, and glycine. Hepatology, 1998, 27, 1039-1049.	7.3	103
157	The mitochondrial permeability transition in cell death: a common mechanism in necrosis, apoptosis and autophagy. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1366, 177-196.	1.0	1,201
158	The Mitochondrial Permeability Transition Is Required for Tumor Necrosis Factor Alpha-Mediated Apoptosis and Cytochrome c Release. Molecular and Cellular Biology, 1998, 18, 6353-6364.	2.3	389
159	Confocal Imaging of Both Mitochondrial and Cytosolic Free Ca2+ in Cardiac Myocytes Co-Loaded with Rhod 2 and Fluo 3: Inhibition by Ruthenium Red of Mitochondrial but not Cytosolic Ca2+ Transients. Microscopy and Microanalysis, 1998, 4, 448-449.	0.4	0
160	LPS receptor CD14 participates in release of TNF-Î± in RAW 264.7 and peritoneal cells but not in Kupffer cells. American Journal of Physiology - Renal Physiology, 1998, 275, G39-G46.	3.4	39
161	Mitochondrial permeability transition in pH-dependent reperfusion injury to rat hepatocytes. American Journal of Physiology - Cell Physiology, 1997, 273, C1783-C1792.	4.6	230
162	Mitochondrial Oxygen Radical Formation during Reductive and Oxidative Stress to Intact Hepatocytes. Bioscience Reports, 1997, 17, 281-291.	2.4	91

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164	Mitochondrial free calcium transients during excitation-contraction coupling in rabbit cardiac myocytes. FEBS Letters, 1996, 382, 31-36.	2.8	96
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