Lawrence D Gaspers

List of Publications by Year
in descending order

39 papers	3,871 citations	279798 23 h-index	361022 35 g-index
41 all docs	41 docs citations	41 times ranked	3680 citing authors

#	Article	IF	Citations
1	Ethanol Disrupts Hormone-Induced Calcium Signaling in Liver. Function, 2021, 2, zqab002.	2.3	8
2	Receptor-specific Ca2+ oscillation patterns mediated by differential regulation of P2Y purinergic receptors in rat hepatocytes. IScience, 2021, 24, 103139.	4.1	2
3	Intercellular calcium waves integrate hormonal control of glucose output in the intact liver. Journal of Physiology, 2019, 597, 2867-2885.	2.9	24
4	Chronic alcohol feeding potentiates hormoneâ€induced calcium signalling in hepatocytes. Journal of Physiology, 2017, 595, 3143-3164.	2.9	29
5	The effect of chronic alcohol consumption on mitochondrial calcium handling in hepatocytes. Biochemical Journal, 2016, 473, 3903-3921.	3.7	11
6	Differential Regulation of Multiple Steps in Inositol 1,4,5-Trisphosphate Signaling by Protein Kinase C Shapes Hormone-stimulated Ca2+ Oscillations. Journal of Biological Chemistry, 2015, 290, 18519-18533.	3.4	28
7	Hormone-Induced Calcium Oscillations Depend on Cross-Coupling with Inositol 1,4,5-Trisphosphate Oscillations. Cell Reports, 2014, 9, 1209-1218.	6.4	47
8	Calcium-dependent regulation of glucose homeostasis in the liver. Cell Calcium, 2014, 55, 306-316.	2.4	82
9	Purkinje cell dysfunction and delayed death in plasma membrane calcium ATPase 2-heterozygous mice. Molecular and Cellular Neurosciences, 2012, 51, 22-31.	2.2	12
10	Mitochondrial morphology and dynamics in hepatocytes from normal and ethanol-fed rats. Pflugers Archiv European Journal of Physiology, 2012, 464, 101-109.	2.8	53
11	Calcium-dependent physiologic and pathologic stimulus-metabolic response coupling in hepatocytes. Cell Calcium, 2012, 52, 93-102.	2.4	26
12	Homeostasis of Mitochondrial Calcium in Alcoholic Liver Diseases. Biophysical Journal, 2011, 100, 460a.	0.5	0
13	Fructoseâ€induced increases in hepatic palmitate perturbs cell Ca2+ and UPR signaling. FASEB Journal, 2011, 25, 1116.4.	0.5	0
14	Uncoupling Protein-2 Modulates Myocardial Excitation-Contraction Coupling. Circulation Research, 2010, 106, 730-738.	4.5	58
15	<scp>L</scp>-Lysine uptake in giant vesicles from cardiac ventricular sarcolemma: two components of cationic amino acid transport. Bioscience Reports, 2009, 29, 271-281.	2.4	9
16	Calcium-dependent activation of mitochondrial metabolism in mammalian cells. Methods, 2008, 46, 224-232.	3.8	40
17	Amino Acids Activate mTOR Complex 1 via Ca2+/CaM Signaling to hVps34. Cell Metabolism, 2008, 7, 456-465.	16.2	327
18	Cellular calcium oscillations: From bifurcation analysis to experiment. World Scientific Lecture Notes in Complex Systems, 2007, , 115-134.	0.1	0

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19	Models of IP3 and Ca2+ Oscillations: Frequency Encoding and Identification of Underlying Feedbacks. Biophysical Journal, 2006, 90, 3120-3133.	0.5	143
20	Ryanodine Receptors in Liver. Journal of Biological Chemistry, 2006, 281, 34086-34095.	3.4	40
21	Glucokinase Is a Critical Regulator of Ventromedial Hypothalamic Neuronal Glucosensing. Diabetes, 2006, 55, 412-420.	0.6	176
22	Calcium signaling in liver. Cell Calcium, 2005, 38, 329-342.	2.4	101
23	Measuring Single Cell and Subcellular Ca2+ Signals. , 2005, , 387-416.		0
24	Physiological and Molecular Characteristics of Rat Hypothalamic Ventromedial Nucleus Glucosensing Neurons. Diabetes, 2004, 53, 549-559.	0.6	289
25	Trauma-Hemorrhagic Shock Mesenteric Lymph Induces Endothelial Apoptosis That Involves Both Caspase-Dependent and Caspase-Independent Mechanisms. Annals of Surgery, 2004, 240, 123-131.	4.2	49
26	Glucokinase Is the Likely Mediator of Glucosensing in Both Glucose-Excited and Glucose-Inhibited Central Neurons. Diabetes, 2002, 51, 2056-2065.	0.6	287
27	Inducible Nitric-oxide Synthase Attenuates Vasopressin-dependent Ca2+ Signaling in Rat Hepatocytes. Journal of Biological Chemistry, 2002, 277, 33776-33782.	3.4	8
28	Inhibition of the Mitochondrial Permeability Transition by Aldehydes. Biochemical and Biophysical Research Communications, 2002, 291, 215-219.	2.1	19
29	Cyclosporin A Inhibits Inositol 1,4,5-Trisphosphate-dependent Ca2+ Signals by Enhancing Ca2+ Uptake into the Endoplasmic Reticulum and Mitochondria. Journal of Biological Chemistry, 2001, 276, 23329-23340.	3.4	54
30	Coordination of calcium signalling by endothelial-derived nitric oxide in the intact liver. Nature Cell Biology, 1999, 1, 467-471.	10.3	56
31	Influence of calcium and iron on cell death and mitochondrial function in oxidatively stressed astrocytes. Journal of Neuroscience Research, 1999, 55, 674-686.	2.9	52
32	Influence of nitric oxide on cellular and mitochondrial integrity in oxidatively stressed astrocytes. , 1999, 56, 166-176.		14
33	Integrating cytosolic calcium signals into mitochondrial metabolic responses. EMBO Journal, 1998, 17, 4987-5000.	7.8	351
34	Coupling between cytosolic and mitochondrial calcium oscillations: role in the regulation of hepatic metabolism. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1366, 17-32.	1.0	107
35	Spatial organization of oscillating calcium signals in liver. Biochemical Society Transactions, 1995, 23, 642-648.	3.4	17
36	Coordination of Ca2+ Signaling by Intercellular Propagation of Ca2+ Waves in the Intact Liver. Journal of Biological Chemistry, 1995, 270, 8102-8107.	3.4	223

#	Article	IF	Citations
37	Decoding of cytosolic calcium oscillations in the mitochondria. Cell, 1995, 82, 415-424.	28.9	1,100
38	Subcellular Organization of Calcium Signalling in Hepatocytes and the Intact Liver. Novartis Foundation Symposium, 1995, 188, 18-49.	1.1	8
39	Continuous measurement of mitochondrial pH gradients in isolated hepatocytes by difference ratio spectroscopy. Archives of Biochemistry and Biophysics, 1991, 288, 250-260.	3.0	16