Fred S Lamb

List of Publications by Year
in descending order

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78	2,203	185998	233125
papers	citations	28 h-index	45 g-index

79	79	79	2130
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cytokine Activation of Nuclear Factor Î¹B in Vascular Smooth Muscle Cells Requires Signaling Endosomes Containing Nox1 and ClC-3. Circulation Research, 2007, 101, 663-671.	2.0	196
2	Anion Channels, Including ClC-3, Are Required for Normal Neutrophil Oxidative Function, Phagocytosis, and Transendothelial Migration. Journal of Biological Chemistry, 2006, 281, 12277-12288.	1.6	130
3	Secretion and cell volume regulation by salivary acinar cells from mice lacking expression of theClcn3Clâ^'channel gene. Journal of Physiology, 2002, 545, 207-216.	1.3	95
4	Altered GABAergic function accompanies hippocampal degeneration in mice lacking ClC-3 voltage-gated chloride channels. Brain Research, 2002, 958, 227-250.	1.1	94
5	Altered properties of volume-sensitive osmolyte and anion channels (VSOACs) and membrane protein expression in cardiac and smooth muscle myocytes fromClcn3-/-mice. Journal of Physiology, 2004, 557, 439-456.	1.3	87
6	Overexpression of CLC-3 in HEK293T cells yields novel currents that are pH dependent. American Journal of Physiology - Cell Physiology, 2008, 294, C251-C262.	2.1	83
7	CLC-3 Channels Modulate Excitatory Synaptic Transmission in Hippocampal Neurons. Neuron, 2006, 52, 321-333.	3.8	74
8	Residual lesions in postoperative pediatric cardiac surgery patients receiving extracorporeal membrane oxygenation support. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 434-441.	0.4	70
9	A Differential Role for Endocytosis in Receptor-Mediated Activation of Nox1. Antioxidants and Redox Signaling, 2010, 12, 583-593.	2.5	69
10	Identification of an N-terminal amino acid of the CLC-3 chloride channel critical in phosphorylation-dependent activation of a CaMKII-activated chloride current. Journal of Physiology, 2004, 556, 353-368.	1.3	66
11	Chloride ion currents contribute functionally to norepinephrine-induced vascular contraction. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H151-H160.	1.5	59
12	Activation of Swelling-activated Chloride Current by Tumor Necrosis Factor-Î± Requires ClC-3-dependent Endosomal Reactive Oxygen Production. Journal of Biological Chemistry, 2010, 285, 22864-22873.	1.6	58
13	The ClC-3 Clâ^'/H+ Antiporter Becomes Uncoupled at Low Extracellular pH. Journal of Biological Chemistry, 2010, 285, 2569-2579.	1.6	53
14	Expression of CLCN Voltage-gated Chloride Channel Genes in Human Blood Vessels. Journal of Molecular and Cellular Cardiology, 1999, 31, 657-666.	0.9	51
15	Standardizing ICU management of pediatric traumatic brain injury is associated with improved outcomes at discharge. Journal of Neurosurgery: Pediatrics, 2016, 17, 19-26.	0.8	49
16	Endotoxin Priming of Neutrophils Requires NADPH Oxidase-generated Oxidants and Is Regulated by the Anion Transporter ClC-3. Journal of Biological Chemistry, 2007, 282, 33958-33967.	1.6	47
17	ClC-3 and IClswell are Required for Normal Neutrophil Chemotaxis and Shape Change. Journal of Biological Chemistry, 2008, 283, 34315-34326.	1.6	47
18	Vascular nitric oxide and superoxide anion contribute to sex-specific programmed cardiovascular physiology in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R651-R662.	0.9	47

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19	A Critical Role for Chloride Channel-3 (ClC-3) in Smooth Muscle Cell Activation and Neointima Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 345-351.	1.1	47
20	Electrophysiology of Reactive Oxygen Production in Signaling Endosomes. Antioxidants and Redox Signaling, 2009, 11, 1335-1347.	2.5	46
21	Endotoxin Priming of Neutrophils Requires Endocytosis and NADPH Oxidase-dependent Endosomal Reactive Oxygen Species. Journal of Biological Chemistry, 2012, 287, 12395-12404.	1.6	43
22	Newborn lamb coronary artery reactivity is programmed by early gestation dexamethasone before the onset of systemic hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R1169-R1176.	0.9	38
23	Early gestation dexamethasone alters baroreflex and vascular responses in newborn lambs before hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R481-R488.	0.9	38
24	TNFÎ± and Reactive Oxygen Signaling in Vascular Smooth Muscle Cells in Hypertension and Atherosclerosis. American Journal of Hypertension, 2020, 33, 902-913.	1.0	38
25	Early gestation dexamethasone programs enhanced postnatal ovine coronary artery vascular reactivity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R46-R53.	0.9	36
26	LRRC8A channels support TNFÎ±-induced superoxide production by Nox1 which is required for receptor endocytosis. Free Radical Biology and Medicine, 2016, 101, 413-423.	1.3	35
27	Renovascular Hypertension in Mice With Brain-Selective Overexpression of AT 1a Receptors Is Buffered by Increased Nitric Oxide Production in the Periphery. Circulation Research, 2004, 95, 523-531.	2.0	34
28	Surfactant-Associated Protein A Provides Critical Immunoprotection in Neonatal Mice. Infection and Immunity, 2008, 76, 380-390.	1.0	29
29	Maternal antioxidant blocks programmed cardiovascular and behavioural stress responses in adult mice. Clinical Science, 2011, 121, 427-436.	1.8	26
30	Functional Regulation of ClC-3 in the Migration of Vascular Smooth Muscle Cells. Hypertension, 2013, 61, 174-179.	1.3	25
31	Activation of Volume Regulated Chloride Channels Protects Myocardium from Ischemia/reperfusion Damage in Second-window Ischemic Preconditioning. Cellular Physiology and Biochemistry, 2011, 28, 1265-1278.	1.1	24
32	Endothelial Superoxide Production Is Altered in Sheep Programmed by Early Gestation Dexamethasone Exposure. Neonatology, 2008, 93, 19-27.	0.9	22
33	Inhibition of endocytosis exacerbates TNF-Î±-induced endothelial dysfunction via enhanced JNK and p38 activation. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1154-H1163.	1.5	22
34	Ontogeny of CLCN3 Chloride Channel Gene Expression in Human Pulmonary Epithelium. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 376-381.	1.4	21
35	c-Jun N-terminal kinase attenuates TNFÎ± signaling by reducing Nox1-dependent endosomal ROS production in vascular smooth muscle cells. Free Radical Biology and Medicine, 2015, 86, 219-227.	1.3	21
36	Modulation of ClCâ€3 gating and proton/anion exchange by internal and external protons and the anion selectivity filter. Journal of Physiology, 2018, 596, 4091-4119.	1.3	21

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37	Late-gestation betamethasone enhances coronary artery responsiveness to angiotensin II in fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R80-R88.	0.9	20
38	Hypoplastic left heart syndrome: knowledge discovery with a data mining approach. Computers in Biology and Medicine, 2006, 36, 21-40.	3.9	20
39	Endothelial cell tolerance to lipopolysaccharide challenge is induced by monophosphoryl lipid A. Clinical Science, 2016, 130, 451-461.	1.8	19
40	Murine aortic reactivity is programmed equally by maternal low protein diet or late gestation dexamethasone. Journal of Maternal-Fetal and Neonatal Medicine, 2007, 20, 833-841.	0.7	18
41	Fetal programming alters reactive oxygen species production in sheep cardiac mitochondria. Clinical Science, 2009, 116, 659-668.	1.8	16
42	Monophosphoryl lipid A inhibits the cytokine response of endothelial cells challenged with LPS. Innate Immunity, 2015, 21, 565-574.	1.1	15
43	Potentiation and tolerance of toll-like receptor priming in human endothelial cells. Translational Research, 2017, 180, 53-67.e4.	2.2	15
44	Oxidantâ€resistant LRRC8A/C anion channels support superoxide production by NADPH oxidase 1. Journal of Physiology, 2021, 599, 3013-3036.	1.3	15
45	The endothelium modulates the contribution of chloride currents to norepinephrine-induced vascular contraction. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H161-H168.	1.5	14
46	Endothelial nitric oxide synthase modulates Tollâ€like receptor 4â€“mediated ILâ€6 production and permeabilityvianitric oxideâ€independent signaling. FASEB Journal, 2018, 32, 945-956.	0.2	14
47	Apoptosis signal-regulating kinase 1 activation by Nox1-derived oxidants is required for TNFÎ± receptor endocytosis. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H1528-H1537.	1.5	14
48	Characterization of embryonic cardiac pacemaker and atrioventricular conduction physiology in Xenopus laevis using noninvasive imaging. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H2035-H2041.	1.5	13
49	Basolateral chloride current in human airway epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L991-L999.	1.3	11
50	Coronary Constriction to Angiotensin II Is Enhanced by Endothelial Superoxide Production in Sheep Programmed by Dexamethasone. Pediatric Research, 2008, 63, 370-374.	1.1	10
51	Apoptosis signal-regulating kinase 1 (ASK1) inhibition reduces endothelial cytokine production without improving permeability after toll-like receptor 4 (TLR4) challenge. Translational Research, 2021, 235, 115-128.	2.2	10
52	Pediatric posterior reversible encephalopathy syndrome presenting with isolated cerebellar edema and obstructive hydrocephalus. Journal of Neurosurgery: Pediatrics, 2014, 14, 344-347.	0.8	8
53	Coronary endothelial function and vascular smooth muscle proliferation are programmed by early-gestation dexamethasone exposure in sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1607-R1614.	0.9	6
54	Regulation of arterial reactivity by concurrent signaling through the E-prostanoid receptor 3 and angiotensin receptor 1. Vascular Pharmacology, 2016, 84, 47-54.	1.0	6

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55	Neuronal ASIC1A As a Cerebral pH Sensor. Circulation Research, 2019, 125, 921-923.	2.0	5
56	Impact of maternal dexamethasone on coronary PGE2 production and prostaglandin-dependent coronary reactivity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R513-R519.	0.9	4
57	Endothelium modulates anion channel-dependent aortic contractions to iodide. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H1527-H1536.	1.5	3
58	Placental HSD2 Expression and Activity Is Unaffected by Maternal Protein Consumption or Gender in C57BL/6 Mice. Isrn Endocrinology, 2013, 2013, 1-7.	2.0	2
59	Localising oxidant â€œstressâ€•in the antiphospholipid syndrome. Thrombosis and Haemostasis, 2015, 113, 915-915.	1.8	1
60	The Inverse Relationship Between Endothelium-Dependent Vasodilation and Blood Pressure is Lost After Cardiopulmonary Bypass. Journal of Cardiovascular Translational Research, 2021, 14, 1114-1116.	1.1	1
61	ClCâ€3 is required for normal NFâ€kB activation by inflammatory mediators in vascular smooth muscle (VSM). FASEB Journal, 2006, 20, A1163.	0.2	1
62	Activation of ICl swell by TNF Î± requires CLCâ€3 dependent ROS production. FASEB Journal, 2008, 22, 937.18.	0.2	1
63	Expression of 11â€beta hydroxysteroid dehydrogenase type 2 in the murine placenta and its regulation in cultured placental trophoblasts. FASEB Journal, 2007, 21, A1420.	0.2	0
64	ClCâ€3 is required for superoxide production in early endosomes and subsequent NFâ€kappaB activation. FASEB Journal, 2007, 21, A447.	0.2	0
65	Maternal Low Protein Diet and Fetal Glucocorticoid Exposure Program Adult Murine Cardiovascular and Endocrine Status. FASEB Journal, 2008, 22, 947.10.	0.2	0
66	Electrophysiology of reactive oxygen production in signaling endosomes.. Antioxidants and Redox Signaling, 0, , 110306091003087.	2.5	0
67	Zincâ€mediated inhibition of ClCâ€3 current is pHâ€dependent. FASEB Journal, 2009, 23, 1000.17.	0.2	0
68	Oxidationâ€reduction state modifies vascular reactivity. FASEB Journal, 2012, 26, 863.7.	0.2	0
69	The Nâ€terminus of ClCâ€3 determines membrane localization. FASEB Journal, 2012, 26, 884.4.	0.2	0
70	TNFÎ± receptor endocytosis balances inflammatory and apoptotic signaling in endothelial cells. FASEB Journal, 2013, 27, 924.10.	0.2	0
71	The ClCâ€5 Nâ€terminus confers plasma membrane Cl â^' /H + transport capacity to ClCâ€3. FASEB Journal, 2013, 27, 913.3.	0.2	0
72	TNFÎ± receptor 1 causes endocytosisâ€dependent NFâ€ºB and â€•independent JNK activation in vascular smooth muscle cells. FASEB Journal, 2013, 27, 1139.6.	0.2	0

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73	Apoptosis Signalâ€regulating Kinase 1 and câ€Jun Nâ€terminal Kinase Affect Tumor Necrosis Factor Alpha Signaling by Independent Mechanisms in Vascular Smooth Muscle Cells. FASEB Journal, 2015, 29, 948.1.	0.2	0
74	Compartmentalization of ClCâ€3 and TNFâ€induced Superoxide Production. FASEB Journal, 2015, 29, 1046.7.	0.2	0
75	LRRC8A/C Voltageâ€Dependent Anion Channels Are Required for NADPH Oxidase 1 Activation in Response to TNFÎ±. FASEB Journal, 2018, 32, 770.8.	0.2	0
76	Extracellular Superoxide Dismutase (SOD3) Links Tumor Necrosis Factorâ€alpha Receptor 1 to Integrin Signaling. FASEB Journal, 2019, 33, 837.2.	0.2	0
77	Tumor Necrosis Factorâ€Î± Activates Integrin Signaling in Vascular Smooth Muscle Cells via Î±5 Receptor. FASEB Journal, 2020, 34, 1-1.	0.2	0
78	Smooth Muscle LRRC8A Anion Channel Knockout Promotes Vasodilation and Protects Against TNFÎ±â€induced Vascular Dysfunction. FASEB Journal, 2022, 36, .	0.2	0