

Fred S Lamb

List of Publications by Year in descending order

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78
papers

2,203
citations

185998

28
h-index

233125

45
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all docs

79
docs citations

79
times ranked

2130
citing authors

#	ARTICLE	IF	CITATIONS
1	Smooth Muscle LRRC8A Anion Channel Knockout Promotes Vasodilation and Protects Against TNF α -induced Vascular Dysfunction. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
2	The Inverse Relationship Between Endothelium-Dependent Vasodilation and Blood Pressure is Lost After Cardiopulmonary Bypass. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 1114-1116.	1.1	1
3	Oxidant-resistant LRRC8A/C anion channels support superoxide production by NADPH oxidase 1. <i>Journal of Physiology</i> , 2021, 599, 3013-3036.	1.3	15
4	Apoptosis signal-regulating kinase 1 (ASK1) inhibition reduces endothelial cytokine production without improving permeability after toll-like receptor 4 (TLR4) challenge. <i>Translational Research</i> , 2021, 235, 115-128.	2.2	10
5	TNF α and Reactive Oxygen Signaling in Vascular Smooth Muscle Cells in Hypertension and Atherosclerosis. <i>American Journal of Hypertension</i> , 2020, 33, 902-913.	1.0	38
6	Tumor Necrosis Factor α Activates Integrin Signaling in Vascular Smooth Muscle Cells via β_5 Receptor. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
7	Neuronal ASIC1A As a Cerebral pH Sensor. <i>Circulation Research</i> , 2019, 125, 921-923.	2.0	5
8	Apoptosis signal-regulating kinase 1 activation by Nox1-derived oxidants is required for TNF α receptor endocytosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1528-H1537.	1.5	14
9	Extracellular Superoxide Dismutase (SOD3) Links Tumor Necrosis Factor α Receptor 1 to Integrin Signaling. <i>FASEB Journal</i> , 2019, 33, 837.2.	0.2	0
10	Endothelial nitric oxide synthase modulates Toll-like receptor 4-mediated IL6 production and permeability via nitric oxide-independent signaling. <i>FASEB Journal</i> , 2018, 32, 945-956.	0.2	14
11	Modulation of ClC β gating and proton/anion exchange by internal and external protons and the anion selectivity filter. <i>Journal of Physiology</i> , 2018, 596, 4091-4119.	1.3	21
12	LRRC8A/C Voltage-Dependent Anion Channels Are Required for NADPH Oxidase 1 Activation in Response to TNF α . <i>FASEB Journal</i> , 2018, 32, 770.8.	0.2	0
13	Potential and tolerance of toll-like receptor priming in human endothelial cells. <i>Translational Research</i> , 2017, 180, 53-67.e4.	2.2	15
14	Regulation of arterial reactivity by concurrent signaling through the E-prostanoid receptor 3 and angiotensin receptor 1. <i>Vascular Pharmacology</i> , 2016, 84, 47-54.	1.0	6
15	Endothelial cell tolerance to lipopolysaccharide challenge is induced by monophosphoryl lipid A. <i>Clinical Science</i> , 2016, 130, 451-461.	1.8	19
16	LRRC8A channels support TNF α -induced superoxide production by Nox1 which is required for receptor endocytosis. <i>Free Radical Biology and Medicine</i> , 2016, 101, 413-423.	1.3	35
17	Standardizing ICU management of pediatric traumatic brain injury is associated with improved outcomes at discharge. <i>Journal of Neurosurgery: Pediatrics</i> , 2016, 17, 19-26.	0.8	49
18	Localising oxidant "stress" in the antiphospholipid syndrome. <i>Thrombosis and Haemostasis</i> , 2015, 113, 915-915.	1.8	1

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19	Monophosphoryl lipid A inhibits the cytokine response of endothelial cells challenged with LPS. <i>Innate Immunity</i> , 2015, 21, 565-574.	1.1	15
20	c-Jun N-terminal kinase attenuates TNF α signaling by reducing Nox1-dependent endosomal ROS production in vascular smooth muscle cells. <i>Free Radical Biology and Medicine</i> , 2015, 86, 219-227.	1.3	21
21	Apoptosis Signal-regulating Kinase 1 and c-Jun N-terminal Kinase Affect Tumor Necrosis Factor Alpha Signaling by Independent Mechanisms in Vascular Smooth Muscle Cells. <i>FASEB Journal</i> , 2015, 29, 948.1.	0.2	0
22	Compartmentalization of ClC-3 and TNF α -induced Superoxide Production. <i>FASEB Journal</i> , 2015, 29, 1046.7.	0.2	0
23	Pediatric posterior reversible encephalopathy syndrome presenting with isolated cerebellar edema and obstructive hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , 2014, 14, 344-347.	0.8	8
24	Residual lesions in postoperative pediatric cardiac surgery patients receiving extracorporeal membrane oxygenation support. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 434-441.	0.4	70
25	Inhibition of endocytosis exacerbates TNF α -induced endothelial dysfunction via enhanced JNK and p38 activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1154-H1163.	1.5	22
26	Functional Regulation of ClC-3 in the Migration of Vascular Smooth Muscle Cells. <i>Hypertension</i> , 2013, 61, 174-179.	1.3	25
27	Placental HSD2 Expression and Activity Is Unaffected by Maternal Protein Consumption or Gender in C57BL/6 Mice. <i>Isrn Endocrinology</i> , 2013, 2013, 1-7.	2.0	2
28	TNF α receptor endocytosis balances inflammatory and apoptotic signaling in endothelial cells. <i>FASEB Journal</i> , 2013, 27, 924.10.	0.2	0
29	The ClC-5 N-terminus confers plasma membrane Cl ⁻ /H ⁺ transport capacity to ClC-3. <i>FASEB Journal</i> , 2013, 27, 913.3.	0.2	0
30	TNF α receptor 1 causes endocytosis-dependent NF κ B and -independent JNK activation in vascular smooth muscle cells. <i>FASEB Journal</i> , 2013, 27, 1139.6.	0.2	0
31	Impact of maternal dexamethasone on coronary PGE2 production and prostaglandin-dependent coronary reactivity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R513-R519.	0.9	4
32	Endotoxin Priming of Neutrophils Requires Endocytosis and NADPH Oxidase-dependent Endosomal Reactive Oxygen Species. <i>Journal of Biological Chemistry</i> , 2012, 287, 12395-12404.	1.6	43
33	Oxidation-reduction state modifies vascular reactivity. <i>FASEB Journal</i> , 2012, 26, 863.7.	0.2	0
34	The N-terminus of ClC-3 determines membrane localization. <i>FASEB Journal</i> , 2012, 26, 884.4.	0.2	0
35	Activation of Volume Regulated Chloride Channels Protects Myocardium from Ischemia/reperfusion Damage in Second-window Ischemic Preconditioning. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 1265-1278.	1.1	24
36	A Critical Role for Chloride Channel-3 (ClC-3) in Smooth Muscle Cell Activation and Neointima Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 345-351.	1.1	47

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37	Maternal antioxidant blocks programmed cardiovascular and behavioural stress responses in adult mice. <i>Clinical Science</i> , 2011, 121, 427-436.	1.8	26
38	The CLC-3 Cl ⁻ /H ⁺ Antiporter Becomes Uncoupled at Low Extracellular pH. <i>Journal of Biological Chemistry</i> , 2010, 285, 2569-2579.	1.6	53
39	Activation of Swelling-activated Chloride Current by Tumor Necrosis Factor- α Requires CLC-3-dependent Endosomal Reactive Oxygen Production. <i>Journal of Biological Chemistry</i> , 2010, 285, 22864-22873.	1.6	58
40	Coronary endothelial function and vascular smooth muscle proliferation are programmed by early-gestation dexamethasone exposure in sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1607-R1614.	0.9	6
41	A Differential Role for Endocytosis in Receptor-Mediated Activation of Nox1. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 583-593.	2.5	69
42	Electrophysiology of Reactive Oxygen Production in Signaling Endosomes. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1335-1347.	2.5	46
43	Vascular nitric oxide and superoxide anion contribute to sex-specific programmed cardiovascular physiology in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R651-R662.	0.9	47
44	Fetal programming alters reactive oxygen species production in sheep cardiac mitochondria. <i>Clinical Science</i> , 2009, 116, 659-668.	1.8	16
45	Zinc-mediated inhibition of CLC β current is pH-dependent. <i>FASEB Journal</i> , 2009, 23, 1000.17.	0.2	0
46	Surfactant-Associated Protein A Provides Critical Immunoprotection in Neonatal Mice. <i>Infection and Immunity</i> , 2008, 76, 380-390.	1.0	29
47	Coronary Constriction to Angiotensin II Is Enhanced by Endothelial Superoxide Production in Sheep Programmed by Dexamethasone. <i>Pediatric Research</i> , 2008, 63, 370-374.	1.1	10
48	Endothelial Superoxide Production Is Altered in Sheep Programmed by Early Gestation Dexamethasone Exposure. <i>Neonatology</i> , 2008, 93, 19-27.	0.9	22
49	CLC-3 and ICl _{swell} are Required for Normal Neutrophil Chemotaxis and Shape Change. <i>Journal of Biological Chemistry</i> , 2008, 283, 34315-34326.	1.6	47
50	Overexpression of CLC-3 in HEK293T cells yields novel currents that are pH dependent. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C251-C262.	2.1	83
51	Activation of ICl _{swell} by TNF α requires CLC β dependent ROS production. <i>FASEB Journal</i> , 2008, 22, 937.18.	0.2	1
52	Maternal Low Protein Diet and Fetal Glucocorticoid Exposure Program Adult Murine Cardiovascular and Endocrine Status. <i>FASEB Journal</i> , 2008, 22, 947.10.	0.2	0
53	Endotoxin Priming of Neutrophils Requires NADPH Oxidase-generated Oxidants and Is Regulated by the Anion Transporter CLC-3. <i>Journal of Biological Chemistry</i> , 2007, 282, 33958-33967.	1.6	47
54	Basolateral chloride current in human airway epithelia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L991-L999.	1.3	11

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55	Cytokine Activation of Nuclear Factor κ B in Vascular Smooth Muscle Cells Requires Signaling Endosomes Containing Nox1 and CLC-3. <i>Circulation Research</i> , 2007, 101, 663-671.	2.0	196
56	Murine aortic reactivity is programmed equally by maternal low protein diet or late gestation dexamethasone. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2007, 20, 833-841.	0.7	18
57	Expression of 11 β -hydroxysteroid dehydrogenase type 2 in the murine placenta and its regulation in cultured placental trophoblasts. <i>FASEB Journal</i> , 2007, 21, A1420.	0.2	0
58	CLC-3 is required for superoxide production in early endosomes and subsequent NF κ B activation. <i>FASEB Journal</i> , 2007, 21, A447.	0.2	0
59	CLC-3 Channels Modulate Excitatory Synaptic Transmission in Hippocampal Neurons. <i>Neuron</i> , 2006, 52, 321-333.	3.8	74
60	Hypoplastic left heart syndrome: knowledge discovery with a data mining approach. <i>Computers in Biology and Medicine</i> , 2006, 36, 21-40.	3.9	20
61	Early gestation dexamethasone alters baroreflex and vascular responses in newborn lambs before hypertension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R481-R488.	0.9	38
62	Anion Channels, Including CLC-3, Are Required for Normal Neutrophil Oxidative Function, Phagocytosis, and Transendothelial Migration. <i>Journal of Biological Chemistry</i> , 2006, 281, 12277-12288.	1.6	130
63	CLC-3 is required for normal NF κ B activation by inflammatory mediators in vascular smooth muscle (VSM). <i>FASEB Journal</i> , 2006, 20, A1163.	0.2	1
64	Newborn lamb coronary artery reactivity is programmed by early gestation dexamethasone before the onset of systemic hypertension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R1169-R1176.	0.9	38
65	Early gestation dexamethasone programs enhanced postnatal ovine coronary artery vascular reactivity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R46-R53.	0.9	36
66	Characterization of embryonic cardiac pacemaker and atrioventricular conduction physiology in <i>Xenopus laevis</i> using noninvasive imaging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H2035-H2041.	1.5	13
67	Late-gestation betamethasone enhances coronary artery responsiveness to angiotensin II in fetal sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 286, R80-R88.	0.9	20
68	Renovascular Hypertension in Mice With Brain-Selective Overexpression of AT 1a Receptors Is Buffered by Increased Nitric Oxide Production in the Periphery. <i>Circulation Research</i> , 2004, 95, 523-531.	2.0	34
69	Identification of an N-terminal amino acid of the CLC-3 chloride channel critical in phosphorylation-dependent activation of a CaMKII-activated chloride current. <i>Journal of Physiology</i> , 2004, 556, 353-368.	1.3	66
70	Altered properties of volume-sensitive osmolyte and anion channels (VSOACs) and membrane protein expression in cardiac and smooth muscle myocytes from <i>Clcn3</i> ^{-/-} mice. <i>Journal of Physiology</i> , 2004, 557, 439-456.	1.3	87
71	Altered GABAergic function accompanies hippocampal degeneration in mice lacking CLC-3 voltage-gated chloride channels. <i>Brain Research</i> , 2002, 958, 227-250.	1.1	94
72	Secretion and cell volume regulation by salivary acinar cells from mice lacking expression of the <i>Clcn3</i> channel gene. <i>Journal of Physiology</i> , 2002, 545, 207-216.	1.3	95

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73	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
74	Endothelium modulates anion channel-dependent aortic contractions to iodide. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H1527-H1536.	1.5	3
75	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
76	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
77	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
78	Electrophysiology of reactive oxygen production in signaling endosomes.. Antioxidants and Redox Signaling, 0, , 110306091003087.	2.5	0