Alan E Lomax

List of Publications by Year
in descending order

65 papers	2,842 citations	172457 29 h-index	182427 51 g-index
65 all docs	65 docs citations	65 times ranked	2604 citing authors

#	Article	IF	Citations
1	Opioid-induced pronociceptive signaling in the gastrointestinal tract is mediated by delta-opioid receptor signaling.. Journal of Neuroscience, 2022, , JN-RM-2098-21.	3.6	3
2	RETâ€Dependent Axonal Sprouting from Spinal Afferent Neurons in a Pancreatic Cancer Model. FASEB Journal, 2022, 36, .	0.5	0
3	Endosomal signaling of delta opioid receptors is an endogenous mechanism and therapeutic target for relief from inflammatory pain. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15281-15292.	7.1	72
4	Proteaseâ€dependent excitation of nodose ganglion neurons by commensal gut bacteria. Journal of Physiology, 2020, 598, 2137-2151.	2.9	23
5	Neuroimmune Signaling in the Gastrointestinal Tract. , 2020, , 665-675.		0
6	Bacterial modulation of visceral sensation: mediators and mechanisms. American Journal of Physiology - Renal Physiology, 2019, 317, G363-G372.	3.4	22
7	The impact of dietary fermentable carbohydrates on a postinflammatory model of irritable bowel syndrome. Neurogastroenterology and Motility, 2019, 31, e13675.	3.0	11
8	Deoxycholic acid activates colonic afferent nerves via 5-HT₃ receptor-dependent and -independent mechanisms. American Journal of Physiology - Renal Physiology, 2019, 317, G275-G284.	3.4	25
9	Coâ€expression of Î¼ and Î´ opioid receptors by mouse colonic nociceptors. British Journal of Pharmacology, 2018, 175, 2622-2634.	5.4	25
10	Neuroimmune Communication in Health and Disease. Physiological Reviews, 2018, 98, 2287-2316.	28.8	74
11	Stress activates pronociceptive endogenous opioid signalling in DRG neurons during chronic colitis. Gut, 2017, 66, 2121-2131.	12.1	30
12	Plasticity of neuroeffector transmission during bowel inflammation¹. American Journal of Physiology - Renal Physiology, 2017, 312, G165-G170.	3.4	8
13	A role for interleukin 17A in <scp>IBD</scp>â€related neuroplasticity. Neurogastroenterology and Motility, 2017, 29, e13112.	3.0	5
14	Protease-Mediated Suppression of DRG Neuron Excitability by Commensal Bacteria. Journal of Neuroscience, 2017, 37, 11758-11768.	3.6	39
15	Excitability and Synaptic Transmission in the Enteric Nervous System: Does Diet Play a Role?. Advances in Experimental Medicine and Biology, 2016, 891, 201-211.	1.6	6
16	Ghrelin receptors as targets for novel motility drugs. Neurogastroenterology and Motility, 2015, 27, 589-593.	3.0	6
17	Mouse models of sepsis elicit spontaneous action potential discharge and enhance intracellular Ca2+ signaling in postganglionic sympathetic neurons. Neuroscience, 2015, 284, 668-677.	2.3	3
18	Ion Channel Expression in the Developing Enteric Nervous System. PLoS ONE, 2015, 10, e0123436.	2.5	14

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19	Endotoxemia Enhances Catecholamine Secretion From Male Mouse Adrenal Chromaffin Cells Through an Increase In Ca2+ Release From the Endoplasmic Reticulum. Endocrinology, 2014, 155, 180-192.	2.8	10
20	Effects of Inflammation on the Innervation of the Colon. Toxicologic Pathology, 2014, 42, 111-117.	1.8	31
21	Sustained neurochemical plasticity in central terminals of mouse DRG neurons following colitis. Cell and Tissue Research, 2014, 356, 309-317.	2.9	7
22	Participation of interleukin 17A in neuroimmune interactions. Brain, Behavior, and Immunity, 2014, 41, 1-9.	4.1	54
23	Divergent neuroendocrine responses to localized and systemic inflammation. Seminars in Immunology, 2014, 26, 402-408.	5.6	17
24	Neural regulation of gastrointestinal inflammation: Role of the sympathetic nervous system. Autonomic Neuroscience: Basic and Clinical, 2014, 182, 83-88.	2.8	57
25	Release of endogenous opioids during a chronic IBD model suppresses the excitability of colonic DRG neurons. Neurogastroenterology and Motility, 2013, 25, 39.	3.0	41
26	The emergence of neural activity and its role in the development of the enteric nervous system. Developmental Biology, 2013, 382, 365-374.	2.0	43
27	Toll-Like Receptor 4 Activation Reduces Adrenal Chromaffin Cell Excitability Through a Nuclear Factor-ÎºB-Dependent Pathway. Endocrinology, 2013, 154, 351-362.	2.8	11
28	Early Development of Electrical Excitability in the Mouse Enteric Nervous System. Journal of Neuroscience, 2012, 32, 10949-10960.	3.6	29
29	Interleukin-17A Increases Neurite Outgrowth from Adult Postganglionic Sympathetic Neurons. Journal of Neuroscience, 2012, 32, 1146-1155.	3.6	31
30	The roles of purinergic signaling during gastrointestinal inflammation. Current Opinion in Pharmacology, 2012, 12, 659-666.	3.5	28
31	Identification of neurons that express ghrelin receptors in autonomic pathways originating from the spinal cord. Cell and Tissue Research, 2012, 348, 397-405.	2.9	14
32	Altered adrenal chromaffin cell function during experimental colitis. American Journal of Physiology - Renal Physiology, 2011, 300, G654-G664.	3.4	7
33	The participation of the sympathetic innervation of the gastrointestinal tract in disease states. Neurogastroenterology and Motility, 2010, 22, 7-18.	3.0	143
34	Presynaptic inhibition of neural vasodilator pathways to submucosal arterioles by release of purines from sympathetic nerves. American Journal of Physiology - Renal Physiology, 2010, 298, G700-G705.	3.4	6
35	Axon Reflexes Evoked by Transient Receptor Potential Vanilloid 1 Activation Are Mediated by Tetrodotoxin-Resistant Voltage-Gated Na⁺ Channels in Intestinal Afferent Nerves. Journal of Pharmacology and Experimental Therapeutics, 2010, 334, 566-575.	2.5	12
36	P2Y1 Receptors Mediate Apamin-Sensitive and -Insensitive Inhibitory Junction Potentials in Murine Colonic Circular Smooth Muscle. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 602-611.	2.5	29

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37	Analysis of real-time serotonin (5-HT) availability during experimental colitis in mouse. American Journal of Physiology - Renal Physiology, 2010, 298, G446-G455.	3.4	63
38	Inhibition of sympathetic N-type voltage-gated Ca²⁺ current underlies the reduction in norepinephrine release during colitis. American Journal of Physiology - Renal Physiology, 2009, 296, G1077-G1084.	3.4	42
39	Loss of purinergic vascular regulation in the colon during colitis is associated with upregulation of CD39. American Journal of Physiology - Renal Physiology, 2009, 296, G399-G405.	3.4	33
40	Tumour necrosis factor Î± activates nuclear factor ÎºB signalling to reduce Nâ€type voltageâ€gated Ca²⁺ current in postganglionic sympathetic neurons. Journal of Physiology, 2009, 587, 2623-2634.	2.9	35
41	Clinical and experimental evidence of sympathetic neural dysfunction during inflammatory bowel disease. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 1026-1033.	1.9	33
42	Antiâ€inflammatory effects of Î²₃â€adrenoceptors: the burgeoning field of neurogastroimmunology. Neurogastroenterology and Motility, 2008, 20, 967-970.	3.0	4
43	48 Tumour Necrosis Factor Î± Activates NFÎºB to Inhibit N-Type Voltage-Gated Ca2+ Current in Postganglionic Sympathetic Neurons. Gastroenterology, 2008, 134, A-7.	1.3	1
44	W1372 Colitis Reduces N-Type Ca2+ Current in Neurons from Superior Mesenteric Ganglia. Gastroenterology, 2008, 134, A-690.	1.3	1
45	Ileitis alters neuronal and enteroendocrine signalling in guinea pig distal colon. Gut, 2007, 56, 186-194.	12.1	51
46	Persistent alterations to enteric neural signaling in the guinea pig colon following the resolution of colitis. American Journal of Physiology - Renal Physiology, 2007, 292, G482-G491.	3.4	69
47	Sympathetic vasoconstrictor regulation of mouse colonic submucosal arterioles is altered in experimental colitis. Journal of Physiology, 2007, 583, 719-730.	2.9	39
48	Effects of gastrointestinal inflammation on enteroendocrine cells and enteric neural reflex circuits. Autonomic Neuroscience: Basic and Clinical, 2006, 126-127, 250-257.	2.8	101
49	Plasticity of the enteric nervous system during intestinal inflammation. Neurogastroenterology and Motility, 2005, 17, 4-15.	3.0	159
50	Synaptic facilitation and enhanced neuronal excitability in the submucosal plexus during experimental colitis in guinea-pig. Journal of Physiology, 2005, 564, 863-875.	2.9	80
51	Heterogeneity of action potential durations in isolated mouse left and right atria recorded using voltage-sensitive dye mapping. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2634-H2643.	3.2	37
52	Effects of C-type natriuretic peptide on ionic currents in mouse sinoatrial node: a role for the NPR-C receptor. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1970-H1977.	3.2	52
53	Electrophysiological evidence for a gradient of G proteinâ€gated K⁺ current in adult mouse atria. British Journal of Pharmacology, 2003, 140, 576-584.	5.4	51
54	Neuropeptide Y Modulates L-Type Ca 2+ Current During Heart Development. Circulation Research, 2003, 93, 891-892.	4.5	2

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55	Comparison of time- and voltage-dependent K⁺ currents in myocytes from left and right atria of adult mice. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H1837-H1848.	3.2	41
56	Inhibition of L-type Ca2+ current by C-type natriuretic peptide in bullfrog atrial myocytes: an NPR-C-mediated effect. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H2454-H2462.	3.2	30
57	Electrophysiological characteristics distinguish three classes of neuron in submucosal ganglia of the guinea-pig distal colon. Neuroscience, 2001, 103, 245-255.	2.3	24
58	Origins of cholinergic inputs to the cell bodies of intestinofugal neurons in the guinea pig distal colon. , 2000, 416, 451-460.		32
59	Shapes and projections of tertiary plexus neurons of the guinea-pig small intestine. Cell and Tissue Research, 2000, 300, 383-387.	2.9	18
60	Neurochemical classification of enteric neurons in the guinea-pig distal colon. Cell and Tissue Research, 2000, 302, 59-72.	2.9	175
61	Catenary cultures of embryonic gastrointestinal tract support organ morphogenesis, motility, neural crest cell migration, and cell differentiation. , 1999, 214, 239-247.		63
62	Correlation of morphology, electrophysiology and chemistry of neurons in the myenteric plexus of the guinea-pig distal colon. Journal of the Autonomic Nervous System, 1999, 76, 45-61.	1.9	73
63	Identification of the populations of enteric neurons that have NK1 tachykinin receptors in the guinea-pig small intestine. Cell and Tissue Research, 1998, 294, 27-33.	2.9	48
64	Electrophysiology, shape, and chemistry of neurons that project from guinea pig colon to inferior mesenteric ganglia. Gastroenterology, 1998, 115, 909-918.	1.3	65
65	Interstitial cells of Cajal mediate inhibitory neurotransmission in the stomach.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 12008-12013.	7.1	484