

Alan E Lomax

List of Publications by Year in descending order

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65
papers

2,842
citations

172207

29
h-index

182168

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. <i>Journal of Neuroscience</i> , 2022, , JN-RM-2098-21.	1.7	3
2	RET-Dependent Axonal Sprouting from Spinal Afferent Neurons in a Pancreatic Cancer Model. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
3	Endosomal signaling of delta opioid receptors is an endogenous mechanism and therapeutic target for relief from inflammatory pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15281-15292.	3.3	72
4	Protease-Dependent excitation of nodose ganglion neurons by commensal gut bacteria. <i>Journal of Physiology</i> , 2020, 598, 2137-2151.	1.3	23
5	Neuroimmune Signaling in the Gastrointestinal Tract. , 2020, , 665-675.		0
6	Bacterial modulation of visceral sensation: mediators and mechanisms. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G363-G372.	1.6	22
7	The impact of dietary fermentable carbohydrates on a postinflammatory model of irritable bowel syndrome. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13675.	1.6	11
8	Deoxycholic acid activates colonic afferent nerves via 5-HT ₃ receptor-dependent and -independent mechanisms. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G275-G284.	1.6	25
9	Co-expression of μ and δ opioid receptors by mouse colonic nociceptors. <i>British Journal of Pharmacology</i> , 2018, 175, 2622-2634.	2.7	25
10	Neuroimmune Communication in Health and Disease. <i>Physiological Reviews</i> , 2018, 98, 2287-2316.	13.1	74
11	Stress activates pronociceptive endogenous opioid signalling in DRG neurons during chronic colitis. <i>Gut</i> , 2017, 66, 2121-2131.	6.1	30
12	Plasticity of neuroeffector transmission during bowel inflammation ¹ . <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G165-G170.	1.6	8
13	A role for interleukin 17A in IBD-related neuroplasticity. <i>Neurogastroenterology and Motility</i> , 2017, 29, e13112.	1.6	5
14	Protease-Mediated Suppression of DRG Neuron Excitability by Commensal Bacteria. <i>Journal of Neuroscience</i> , 2017, 37, 11758-11768.	1.7	39
15	Excitability and Synaptic Transmission in the Enteric Nervous System: Does Diet Play a Role?. <i>Advances in Experimental Medicine and Biology</i> , 2016, 891, 201-211.	0.8	6
16	Ghrelin receptors as targets for novel motility drugs. <i>Neurogastroenterology and Motility</i> , 2015, 27, 589-593.	1.6	6
17	Mouse models of sepsis elicit spontaneous action potential discharge and enhance intracellular Ca ²⁺ signaling in postganglionic sympathetic neurons. <i>Neuroscience</i> , 2015, 284, 668-677.	1.1	3
18	Ion Channel Expression in the Developing Enteric Nervous System. <i>PLoS ONE</i> , 2015, 10, e0123436.	1.1	14

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19	Endotoxemia Enhances Catecholamine Secretion From Male Mouse Adrenal Chromaffin Cells Through an Increase In Ca ²⁺ Release From the Endoplasmic Reticulum. <i>Endocrinology</i> , 2014, 155, 180-192.	1.4	10
20	Effects of Inflammation on the Innervation of the Colon. <i>Toxicologic Pathology</i> , 2014, 42, 111-117.	0.9	31
21	Sustained neurochemical plasticity in central terminals of mouse DRG neurons following colitis. <i>Cell and Tissue Research</i> , 2014, 356, 309-317.	1.5	7
22	Participation of interleukin 17A in neuroimmune interactions. <i>Brain, Behavior, and Immunity</i> , 2014, 41, 1-9.	2.0	54
23	Divergent neuroendocrine responses to localized and systemic inflammation. <i>Seminars in Immunology</i> , 2014, 26, 402-408.	2.7	17
24	Neural regulation of gastrointestinal inflammation: Role of the sympathetic nervous system. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2014, 182, 83-88.	1.4	57
25	Release of endogenous opioids during a chronic IBD model suppresses the excitability of colonic DRG neurons. <i>Neurogastroenterology and Motility</i> , 2013, 25, 39.	1.6	41
26	The emergence of neural activity and its role in the development of the enteric nervous system. <i>Developmental Biology</i> , 2013, 382, 365-374.	0.9	43
27	Toll-Like Receptor 4 Activation Reduces Adrenal Chromaffin Cell Excitability Through a Nuclear Factor- κ B-Dependent Pathway. <i>Endocrinology</i> , 2013, 154, 351-362.	1.4	11
28	Early Development of Electrical Excitability in the Mouse Enteric Nervous System. <i>Journal of Neuroscience</i> , 2012, 32, 10949-10960.	1.7	29
29	Interleukin-17A Increases Neurite Outgrowth from Adult Postganglionic Sympathetic Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 1146-1155.	1.7	31
30	The roles of purinergic signaling during gastrointestinal inflammation. <i>Current Opinion in Pharmacology</i> , 2012, 12, 659-666.	1.7	28
31	Identification of neurons that express ghrelin receptors in autonomic pathways originating from the spinal cord. <i>Cell and Tissue Research</i> , 2012, 348, 397-405.	1.5	14
32	Altered adrenal chromaffin cell function during experimental colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G654-G664.	1.6	7
33	The participation of the sympathetic innervation of the gastrointestinal tract in disease states. <i>Neurogastroenterology and Motility</i> , 2010, 22, 7-18.	1.6	143
34	Presynaptic inhibition of neural vasodilator pathways to submucosal arterioles by release of purines from sympathetic nerves. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G700-G705.	1.6	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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 334, 566-575.	1.3	12
36	P2Y1 Receptors Mediate Apamin-Sensitive and -Insensitive Inhibitory Junction Potentials in Murine Colonic Circular Smooth Muscle. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 602-611.	1.3	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.	1.6	63
38	Inhibition of sympathetic N-type voltage-gated Ca ²⁺ current underlies the reduction in norepinephrine release during colitis. American Journal of Physiology - Renal Physiology, 2009, 296, G1077-G1084.	1.6	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.	1.6	33
40	Tumour necrosis factor $\hat{1}$ ± activates nuclear factor $\hat{1}$ ±B signalling to reduce N-type voltage-gated Ca ²⁺ current in postganglionic sympathetic neurons. Journal of Physiology, 2009, 587, 2623-2634.	1.3	35
41	Clinical and experimental evidence of sympathetic neural dysfunction during inflammatory bowel disease. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 1026-1033.	0.9	33
42	Anti-inflammatory effects of $\hat{1}$ ² ₃ adrenoceptors: the burgeoning field of neurogastroimmunology. Neurogastroenterology and Motility, 2008, 20, 967-970.	1.6	4
43	48 Tumour Necrosis Factor $\hat{1}$ ± Activates NF $\hat{1}$ ±B to Inhibit N-Type Voltage-Gated Ca ²⁺ Current in Postganglionic Sympathetic Neurons. Gastroenterology, 2008, 134, A-7.	0.6	1
44	W1372 Colitis Reduces N-Type Ca ²⁺ Current in Neurons from Superior Mesenteric Ganglia. Gastroenterology, 2008, 134, A-690.	0.6	1
45	Ileitis alters neuronal and enteroendocrine signalling in guinea pig distal colon. Gut, 2007, 56, 186-194.	6.1	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.	1.6	69
47	Sympathetic vasoconstrictor regulation of mouse colonic submucosal arterioles is altered in experimental colitis. Journal of Physiology, 2007, 583, 719-730.	1.3	39
48	Effects of gastrointestinal inflammation on enteroendocrine cells and enteric neural reflex circuits. Autonomic Neuroscience: Basic and Clinical, 2006, 126-127, 250-257.	1.4	101
49	Plasticity of the enteric nervous system during intestinal inflammation. Neurogastroenterology and Motility, 2005, 17, 4-15.	1.6	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.	1.3	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.	1.5	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.	1.5	52
53	Electrophysiological evidence for a gradient of G protein-gated K ⁺ current in adult mouse atria. British Journal of Pharmacology, 2003, 140, 576-584.	2.7	51
54	Neuropeptide Y Modulates L-Type Ca ²⁺ Current During Heart Development. Circulation Research, 2003, 93, 891-892.	2.0	2

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55	Comparison of time- and voltage-dependent K ⁺ currents in myocytes from left and right atria of adult mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H1837-H1848.	1.5	41
56	Inhibition of L-type Ca ²⁺ current by C-type natriuretic peptide in bullfrog atrial myocytes: an NPR-C-mediated effect. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H2454-H2462.	1.5	30
57	Electrophysiological characteristics distinguish three classes of neuron in submucosal ganglia of the guinea-pig distal colon. <i>Neuroscience</i> , 2001, 103, 245-255.	1.1	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. <i>Cell and Tissue Research</i> , 2000, 300, 383-387.	1.5	18
60	Neurochemical classification of enteric neurons in the guinea-pig distal colon. <i>Cell and Tissue Research</i> , 2000, 302, 59-72.	1.5	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. <i>Journal of the Autonomic Nervous System</i> , 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. <i>Cell and Tissue Research</i> , 1998, 294, 27-33.	1.5	48
64	Electrophysiology, shape, and chemistry of neurons that project from guinea pig colon to inferior mesenteric ganglia. <i>Gastroenterology</i> , 1998, 115, 909-918.	0.6	65
65	Interstitial cells of Cajal mediate inhibitory neurotransmission in the stomach.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 12008-12013.	3.3	484