

Alan E Lomax

List of Publications by Year in descending order

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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	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
2	Neurochemical classification of enteric neurons in the guinea-pig distal colon. Cell and Tissue Research, 2000, 302, 59-72.	2.9	175
3	Plasticity of the enteric nervous system during intestinal inflammation. Neurogastroenterology and Motility, 2005, 17, 4-15.	3.0	159
4	The participation of the sympathetic innervation of the gastrointestinal tract in disease states. Neurogastroenterology and Motility, 2010, 22, 7-18.	3.0	143
5	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
6	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
7	Neuroimmune Communication in Health and Disease. Physiological Reviews, 2018, 98, 2287-2316.	28.8	74
8	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
9	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
10	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
11	Electrophysiology, shape, and chemistry of neurons that project from guinea pig colon to inferior mesenteric ganglia. Gastroenterology, 1998, 115, 909-918.	1.3	65
12	Catenary cultures of embryonic gastrointestinal tract support organ morphogenesis, motility, neural crest cell migration, and cell differentiation. , 1999, 214, 239-247.		63
13	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
14	Neural regulation of gastrointestinal inflammation: Role of the sympathetic nervous system. Autonomic Neuroscience: Basic and Clinical, 2014, 182, 83-88.	2.8	57
15	Participation of interleukin 17A in neuroimmune interactions. Brain, Behavior, and Immunity, 2014, 41, 1-9.	4.1	54
16	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
17	Electrophysiological evidence for a gradient of G protein-gated K^{+} current in adult mouse atria. British Journal of Pharmacology, 2003, 140, 576-584.	5.4	51
18	Ileitis alters neuronal and enteroendocrine signalling in guinea pig distal colon. Gut, 2007, 56, 186-194.	12.1	51

#	ARTICLE	IF	CITATIONS
19	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.	2.9	48
20	The emergence of neural activity and its role in the development of the enteric nervous system. <i>Developmental Biology</i> , 2013, 382, 365-374.	2.0	43
21	Inhibition of sympathetic N-type voltage-gated Ca^{2+} current underlies the reduction in norepinephrine release during colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G1077-G1084.	3.4	42
22	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.	3.2	41
23	Release of endogenous opioids during a chronic IBD model suppresses the excitability of colonic DRG neurons. <i>Neurogastroenterology and Motility</i> , 2013, 25, 39.	3.0	41
24	Sympathetic vasoconstrictor regulation of mouse colonic submucosal arterioles is altered in experimental colitis. <i>Journal of Physiology</i> , 2007, 583, 719-730.	2.9	39
25	Protease-Mediated Suppression of DRG Neuron Excitability by Commensal Bacteria. <i>Journal of Neuroscience</i> , 2017, 37, 11758-11768.	3.6	39
26	Heterogeneity of action potential durations in isolated mouse left and right atria recorded using voltage-sensitive dye mapping. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H2634-H2643.	3.2	37
27	Tumour necrosis factor α activates nuclear factor κB signalling to reduce N-type voltage-gated Ca^{2+} current in postganglionic sympathetic neurons. <i>Journal of Physiology</i> , 2009, 587, 2623-2634.	2.9	35
28	Loss of purinergic vascular regulation in the colon during colitis is associated with upregulation of CD39. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G399-G405.	3.4	33
29	Clinical and experimental evidence of sympathetic neural dysfunction during inflammatory bowel disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 1026-1033.	1.9	33
30	Origins of cholinergic inputs to the cell bodies of intestinofugal neurons in the guinea pig distal colon. , 2000, 416, 451-460.		32
31	Interleukin-17A Increases Neurite Outgrowth from Adult Postganglionic Sympathetic Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 1146-1155.	3.6	31
32	Effects of Inflammation on the Innervation of the Colon. <i>Toxicologic Pathology</i> , 2014, 42, 111-117.	1.8	31
33	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.	3.2	30
34	Stress activates pronociceptive endogenous opioid signalling in DRG neurons during chronic colitis. <i>Gut</i> , 2017, 66, 2121-2131.	12.1	30
35	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.	2.5	29
36	Early Development of Electrical Excitability in the Mouse Enteric Nervous System. <i>Journal of Neuroscience</i> , 2012, 32, 10949-10960.	3.6	29

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37	The roles of purinergic signaling during gastrointestinal inflammation. <i>Current Opinion in Pharmacology</i> , 2012, 12, 659-666.	3.5	28
38	Co-expression of μ and δ opioid receptors by mouse colonic nociceptors. <i>British Journal of Pharmacology</i> , 2018, 175, 2622-2634.	5.4	25
39	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.	3.4	25
40	Electrophysiological characteristics distinguish three classes of neuron in submucosal ganglia of the guinea-pig distal colon. <i>Neuroscience</i> , 2001, 103, 245-255.	2.3	24
41	Protease-dependent excitation of nodose ganglion neurons by commensal gut bacteria. <i>Journal of Physiology</i> , 2020, 598, 2137-2151.	2.9	23
42	Bacterial modulation of visceral sensation: mediators and mechanisms. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G363-G372.	3.4	22
43	Shapes and projections of tertiary plexus neurons of the guinea-pig small intestine. <i>Cell and Tissue Research</i> , 2000, 300, 383-387.	2.9	18
44	Divergent neuroendocrine responses to localized and systemic inflammation. <i>Seminars in Immunology</i> , 2014, 26, 402-408.	5.6	17
45	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.	2.9	14
46	Ion Channel Expression in the Developing Enteric Nervous System. <i>PLoS ONE</i> , 2015, 10, e0123436.	2.5	14
47	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.	2.5	12
48	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.	2.8	11
49	The impact of dietary fermentable carbohydrates on a postinflammatory model of irritable bowel syndrome. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13675.	3.0	11
50	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.	2.8	10
51	Plasticity of neuroeffector transmission during bowel inflammation ¹ . <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G165-G170.	3.4	8
52	Altered adrenal chromaffin cell function during experimental colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G654-G664.	3.4	7
53	Sustained neurochemical plasticity in central terminals of mouse DRG neurons following colitis. <i>Cell and Tissue Research</i> , 2014, 356, 309-317.	2.9	7
54	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.	3.4	6

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55	Ghrelin receptors as targets for novel motility drugs. Neurogastroenterology and Motility, 2015, 27, 589-593.	3.0	6
56	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
57	A role for interleukin 17A in <scp>IBD</scp>-related neuroplasticity. Neurogastroenterology and Motility, 2017, 29, e13112.	3.0	5
58	Anti-inflammatory effects of β_3 -adrenoceptors: the burgeoning field of neurogastroimmunology. Neurogastroenterology and Motility, 2008, 20, 967-970.	3.0	4
59	Mouse models of sepsis elicit spontaneous action potential discharge and enhance intracellular Ca^{2+} signaling in postganglionic sympathetic neurons. Neuroscience, 2015, 284, 668-677.	2.3	3
60	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
61	Neuropeptide Y Modulates L-Type Ca^{2+} Current During Heart Development. Circulation Research, 2003, 93, 891-892.	4.5	2
62	48 Tumour Necrosis Factor α Activates NF κ B to Inhibit N-Type Voltage-Gated Ca^{2+} Current in Postganglionic Sympathetic Neurons. Gastroenterology, 2008, 134, A-7.	1.3	1
63	W1372 Colitis Reduces N-Type Ca^{2+} Current in Neurons from Superior Mesenteric Ganglia. Gastroenterology, 2008, 134, A-690.	1.3	1
64	Neuroimmune Signaling in the Gastrointestinal Tract. , 2020, , 665-675.		0
65	RET-Dependent Axonal Sprouting from Spinal Afferent Neurons in a Pancreatic Cancer Model. FASEB Journal, 2022, 36, .	0.5	0