

Luke Grundy

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,468
citations

361413

20
h-index

361022

35
g-index

40
all docs

40
docs citations

40
times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Guanylate cyclase-C agonists as peripherally acting treatments of chronic visceral pain. Trends in Pharmacological Sciences, 2022, 43, 110-122.	8.7	8
2	TGR5 agonists induce peripheral and central hypersensitivity to bladder distension. Scientific Reports, 2022, 12, .	3.3	2
3	A mouse model of endometriosis that displays vaginal, colon, cutaneous, and bladder sensory comorbidities. FASEB Journal, 2021, 35, e21430.	0.5	10
4	Activation of MrgprA3 and MrgprC11 on Bladder-Innervating Afferents Induces Peripheral and Central Hypersensitivity to Bladder Distension. Journal of Neuroscience, 2021, 41, 3900-3916.	3.6	9
5	Pharmacological modulation of voltage-gated sodium (NaV) channels alters nociception arising from the female reproductive tract. Pain, 2021, 162, 227-242.	4.2	9
6	A spider-venom peptide with multitarget activity on sodium and calcium channels alleviates chronic visceral pain in a model of irritable bowel syndrome. Pain, 2021, 162, 569-581.	4.2	28
7	A syngeneic inoculation mouse model of endometriosis that develops multiple comorbid visceral and cutaneous pain like behaviours. Pain, 2021, Publish Ahead of Print, .	4.2	6
8	Innate immune response to bacterial urinary tract infection sensitises high-threshold bladder afferents and recruits silent nociceptors. Pain, 2020, 161, 202-210.	4.2	19
9	Histamine induces peripheral and central hypersensitivity to bladder distension via the histamine H ₁ receptor and TRPV1. American Journal of Physiology - Renal Physiology, 2020, 318, F298-F314.	2.7	42
10	Identification of a Quorum Sensing-Dependent Communication Pathway Mediating Bacteria-Gut-Brain Cross Talk. IScience, 2020, 23, 101695.	4.1	18
11	Experimentally Induced Bladder Permeability Evokes Bladder Afferent Hypersensitivity in the Absence of Inflammation. Frontiers in Neuroscience, 2020, 14, 590871.	2.8	8
12	Pain in Endometriosis. Frontiers in Cellular Neuroscience, 2020, 14, 590823.	3.7	95
13	Hypersensitivity of bladder low threshold, wide dynamic range, afferent fibres following treatment with the chemotherapeutic drugs cyclophosphamide and ifosfamide. Archives of Toxicology, 2020, 94, 2785-2797.	4.2	12
14	Gastrointestinal Sensation; General Principles. , 2020, , 701-710.		0
15	Serotonin exerts a direct modulatory role on bladder afferent firing in mice. Journal of Physiology, 2019, 597, 5247-5264.	2.9	17
16	Purinergic receptor mediated calcium signalling in urothelial cells. Scientific Reports, 2019, 9, 16101.	3.3	12
17	Colonic afferent input and dorsal horn neuron activation differs between the thoracolumbar and lumbosacral spinal cord. American Journal of Physiology - Renal Physiology, 2019, 317, G285-G303.	3.4	30
18	Translating peripheral bladder afferent mechanosensitivity to neuronal activation within the lumbosacral spinal cord of mice. Pain, 2019, 160, 793-804.	4.2	25

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19	Linaclotide treatment reduces endometriosis-associated vaginal hyperalgesia and mechanical allodynia through viscerovisceral cross-talk. <i>Pain</i> , 2019, 160, 2566-2579.	4.2	25
20	Visceral Pain. <i>Annual Review of Physiology</i> , 2019, 81, 261-284.	13.1	159
21	Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. <i>JCI Insight</i> , 2019, 4, .	5.0	59
22	TRPV1 enhances the afferent response to P2X receptor activation in the mouse urinary bladder. <i>Scientific Reports</i> , 2018, 8, 197.	3.3	36
23	Voltage-gated sodium channels: Navigating the field to determine their contribution to visceral nociception. <i>Journal of Physiology</i> , 2018, 596, 785-807.	2.9	36
24	Contribution of membrane receptor signalling to chronic visceral pain. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 98, 10-23.	2.8	29
25	Cyclic analogues of α -conotoxin Vc1.1 inhibit colonic nociceptors and provide analgesia in a mouse model of chronic abdominal pain. <i>British Journal of Pharmacology</i> , 2018, 175, 2384-2398.	5.4	36
26	Cross-organ sensitization between the colon and bladder: to pee or not to pee?. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, G301-G308.	3.4	44
27	Mechanisms Underlying Overactive Bladder and Interstitial Cystitis/Painful Bladder Syndrome. <i>Frontiers in Neuroscience</i> , 2018, 12, 931.	2.8	84
28	Tetrodotoxin-sensitive voltage-gated sodium channels regulate bladder afferent responses to distension. <i>Pain</i> , 2018, 159, 2573-2584.	4.2	31
29	NKA enhances bladder-afferent mechanosensitivity via urothelial and detrusor activation. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1174-F1185.	2.7	23
30	Extrinsic Sensory Afferent Nerves Innervating the Gastrointestinal Tract in Health and Disease. , 2018, , 387-418.		14
31	Identifying unique subtypes of spinal afferent nerve endings within the urinary bladder of mice. <i>Journal of Comparative Neurology</i> , 2018, 526, 707-720.	1.6	42
32	Nav1.1 inhibition can reduce visceral hypersensitivity. <i>JCI Insight</i> , 2018, 3, .	5.0	34
33	Chronic linaclotide treatment reduces colitis-induced neuroplasticity and reverses persistent bladder dysfunction. <i>JCI Insight</i> , 2018, 3, .	5.0	61
34	α -Conotoxin Vc1.1 inhibits human dorsal root ganglion neuroexcitability and mouse colonic nociception via GABA _B receptors. <i>Gut</i> , 2017, 66, 1083-1094.	12.1	77
35	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. <i>Scientific Reports</i> , 2017, 7, 42810.	3.3	67
36	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. <i>Nature</i> , 2016, 534, 494-499.	27.8	239

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37	Translational potential of a mouse <i>in vitro</i> bioassay in predicting gastrointestinal adverse drug reactions in Phase I clinical trials. <i>Neurogastroenterology and Motility</i> , 2014, 26, 980-989.	3.0	9
38	The validation of an <i>in vitro</i> colonic motility assay as a biomarker for gastrointestinal adverse drug reactions. <i>Toxicology and Applied Pharmacology</i> , 2010, 245, 299-309.	2.8	10
39	Urinary Tract Infection in Overactive Bladder: An Update on Pathophysiological Mechanisms. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	3