Luke Grundy

List of Publications by Citations

36 papers	845 citations	16 h-index	28 g-index
40 ext. papers	1,212 ext. citations	7.9 avg, IF	4.46 L-index

#	Paper	IF	Citations
36	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. *Nature*, **2016**, 534, 494-9	50.4	190
35	Visceral Pain. *Annual Review of Physiology*, **2019**, 81, 261-284	23.1	78
34	Conotoxin Vc1.1 inhibits human dorsal root ganglion neuroexcitability and mouse colonic nociception via GABA receptors. *Gut*, **2017**, 66, 1083-1094	19.2	61
33	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. *Scientific Reports*, **2017**, 7, 42810	4.9	47
32	Mechanisms Underlying Overactive Bladder and Interstitial Cystitis/Painful Bladder Syndrome. *Frontiers in Neuroscience*, **2018**, 12, 931	5.1	42
31	Chronic linaclotide treatment reduces colitis-induced neuroplasticity and reverses persistent bladder dysfunction. *JCI Insight*, **2018**, 3,	9.9	38
30	Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. *JCI Insight*, **2019**, 4,	9.9	33
29	Cyclic analogues of conotoxin Vc1.1 inhibit colonic nociceptors and provide analgesia in a mouse model of chronic abdominal pain. *British Journal of Pharmacology*, **2018**, 175, 2384-2398	8.6	28
28	Cross-organ sensitization between the colon and bladder: to pee or not to pee?. *American Journal of Physiology - Renal Physiology*, **2018**, 314, G301-G308	5.1	28
27	TRPV1 enhances the afferent response to P2X receptor activation in the mouse urinary bladder. *Scientific Reports*, **2018**, 8, 197	4.9	25
26	NaV1.1 inhibition can reduce visceral hypersensitivity. *JCI Insight*, **2018**, 3,	9.9	25
25	Voltage-gated sodium channels: (Na)igating the field to determine their contribution to visceral nociception. *Journal of Physiology*, **2018**, 596, 785-807	3.9	24
24	Identifying unique subtypes of spinal afferent nerve endings within the urinary bladder of mice. *Journal of Comparative Neurology*, **2018**, 526, 707-720	3.4	24
23	Pain in Endometriosis. *Frontiers in Cellular Neuroscience*, **2020**, 14, 590823	6.1	23
22	Contribution of membrane receptor signalling to chronic visceral pain. *International Journal of Biochemistry and Cell Biology*, **2018**, 98, 10-23	5.6	18
21	Histamine induces peripheral and central hypersensitivity to bladder distension via the histamine H receptor and TRPV1. *American Journal of Physiology - Renal Physiology*, **2020**, 318, F298-F314	4.3	17
20	Tetrodotoxin-sensitive voltage-gated sodium channels regulate bladder afferent responses to distension. *Pain*, **2018**, 159, 2573-2584	8	16

19	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	5.1	15
18	NKA enhances bladder-afferent mechanosensitivity via urothelial and detrusor activation. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F1174-F1185	4.3	14
17	Linaclotide treatment reduces endometriosis-associated vaginal hyperalgesia and mechanical allodynia through viscerovisceral cross-talk. *Pain*, **2019**, 160, 2566-2579	8	12
16	Translating peripheral bladder afferent mechanosensitivity to neuronal activation within the lumbosacral spinal cord of mice. *Pain*, **2019**, 160, 793-804	8	11
15	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	8	11
14	Serotonin exerts a direct modulatory role on bladder afferent firing in mice. *Journal of Physiology*, **2019**, 597, 5247-5264	3.9	8
13	Extrinsic Sensory Afferent Nerves Innervating the Gastrointestinal Tract in Health and Disease **2018** , 387-418		8
12	Purinergic receptor mediated calcium signalling in urothelial cells. *Scientific Reports*, **2019**, 9, 16101	4.9	7
11	Translational potential of a mouse in vitro bioassay in predicting gastrointestinal adverse drug reactions in Phase I clinical trials. *Neurogastroenterology and Motility*, **2014**, 26, 980-9	4	7
10	The validation of an in vitro colonic motility assay as a biomarker for gastrointestinal adverse drug reactions. *Toxicology and Applied Pharmacology*, **2010**, 245, 299-309	4.6	7
9	Innate immune response to bacterial urinary tract infection sensitises high-threshold bladder afferents and recruits silent nociceptors. *Pain*, **2020**, 161, 202-210	8	6
8	Identification of a Quorum Sensing-Dependent Communication Pathway Mediating Bacteria-Gut-Brain Cross Talk. *IScience*, **2020**, 23, 101695	6.1	6
7	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	5.8	5
6	Pharmacological modulation of voltage-gated sodium (NaV) channels alters nociception arising from the female reproductive tract. *Pain*, **2021**, 162, 227-242	8	3
5	Guanylate cyclase-C agonists as peripherally acting treatments of chronic visceral pain. *Trends in Pharmacological Sciences*, **2021**,	13.2	2
4	A mouse model of endometriosis that displays vaginal, colon, cutaneous, and bladder sensory comorbidities. *FASEB Journal*, **2021**, 35, e21430	0.9	2
3	Experimentally Induced Bladder Permeability Evokes Bladder Afferent Hypersensitivity in the Absence of Inflammation. *Frontiers in Neuroscience*, **2020**, 14, 590871	5.1	1
2	Activation of MrgprA3 and MrgprC11 on Bladder-Innervating Afferents Induces Peripheral and Central Hypersensitivity to Bladder Distension. *Journal of Neuroscience*, **2021**, 41, 3900-3916	6.6	1

1 Gastrointestinal Sensation; General Principles **2020**, 701-710