

Luke Grundy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Guanylate cyclase-C agonists as peripherally acting treatments of chronic visceral pain. <i>Trends in Pharmacological Sciences</i> , 2021 ,	13.2	2
35	Pharmacological modulation of voltage-gated sodium (NaV) channels alters nociception arising from the female reproductive tract. <i>Pain</i> , 2021 , 162, 227-242	8	3
34	A spider-venom peptide with multitarget activity on sodium and calcium channels alleviates chronic visceral pain in a model of irritable bowel syndrome. <i>Pain</i> , 2021 , 162, 569-581	8	11
33	A mouse model of endometriosis that displays vaginal, colon, cutaneous, and bladder sensory comorbidities. <i>FASEB Journal</i> , 2021 , 35, e21430	0.9	2
32	Activation of MrgprA3 and MrgprC11 on Bladder-Innervating Afferents Induces Peripheral and Central Hypersensitivity to Bladder Distension. <i>Journal of Neuroscience</i> , 2021 , 41, 3900-3916	6.6	1
31	Hypersensitivity of bladder low threshold, wide dynamic range, afferent fibres following treatment with the chemotherapeutic drugs cyclophosphamide and ifosfamide. <i>Archives of Toxicology</i> , 2020 , 94, 2785-2797	5.8	5
30	Gastrointestinal Sensation; General Principles 2020 , 701-710		
29	Innate immune response to bacterial urinary tract infection sensitises high-threshold bladder afferents and recruits silent nociceptors. <i>Pain</i> , 2020 , 161, 202-210	8	6
28	Histamine induces peripheral and central hypersensitivity to bladder distension via the histamine H receptor and TRPV1. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, F298-F314	4.3	17
27	Identification of a Quorum Sensing-Dependent Communication Pathway Mediating Bacteria-Gut-Brain Cross Talk. <i>iScience</i> , 2020 , 23, 101695	6.1	6
26	Experimentally Induced Bladder Permeability Evokes Bladder Afferent Hypersensitivity in the Absence of Inflammation. <i>Frontiers in Neuroscience</i> , 2020 , 14, 590871	5.1	1
25	Pain in Endometriosis. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 590823	6.1	23
24	Colonic afferent input and dorsal horn neuron activation differs between the thoracolumbar and lumbosacral spinal cord. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, G285-G303	5.1	15
23	Translating peripheral bladder afferent mechanosensitivity to neuronal activation within the lumbosacral spinal cord of mice. <i>Pain</i> , 2019 , 160, 793-804	8	11
22	Serotonin exerts a direct modulatory role on bladder afferent firing in mice. <i>Journal of Physiology</i> , 2019 , 597, 5247-5264	3.9	8
21	Purinergic receptor mediated calcium signalling in urothelial cells. <i>Scientific Reports</i> , 2019 , 9, 16101	4.9	7
20	Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. <i>JCI Insight</i> , 2019 , 4,	9.9	33

19	Linacotide treatment reduces endometriosis-associated vaginal hyperalgesia and mechanical allodynia through viscerovisceral cross-talk. <i>Pain</i> , 2019 , 160, 2566-2579	8	12
18	Visceral Pain. <i>Annual Review of Physiology</i> , 2019 , 81, 261-284	23.1	78
17	TRPV1 enhances the afferent response to P2X receptor activation in the mouse urinary bladder. <i>Scientific Reports</i> , 2018 , 8, 197	4.9	25
16	Voltage-gated sodium channels: (Na)igating the field to determine their contribution to visceral nociception. <i>Journal of Physiology</i> , 2018 , 596, 785-807	3.9	24
15	Contribution of membrane receptor signalling to chronic visceral pain. <i>International Journal of Biochemistry and Cell Biology</i> , 2018 , 98, 10-23	5.6	18
14	Nav1.1 inhibition can reduce visceral hypersensitivity. <i>JCI Insight</i> , 2018 , 3,	9.9	25
13	Chronic linacotide treatment reduces colitis-induced neuroplasticity and reverses persistent bladder dysfunction. <i>JCI Insight</i> , 2018 , 3,	9.9	38
12	Cyclic analogues of β onotoxin 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	8.6	28
11	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	5.1	28
10	Mechanisms Underlying Overactive Bladder and Interstitial Cystitis/Painful Bladder Syndrome. <i>Frontiers in Neuroscience</i> , 2018 , 12, 931	5.1	42
9	Tetrodotoxin-sensitive voltage-gated sodium channels regulate bladder afferent responses to distension. <i>Pain</i> , 2018 , 159, 2573-2584	8	16
8	NKA enhances bladder-afferent mechanosensitivity via urothelial and detrusor activation. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F1174-F1185	4.3	14
7	Extrinsic Sensory Afferent Nerves Innervating the Gastrointestinal Tract in Health and Disease 2018 , 387-418		8
6	Identifying unique subtypes of spinal afferent nerve endings within the urinary bladder of mice. <i>Journal of Comparative Neurology</i> , 2018 , 526, 707-720	3.4	24
5	β onotoxin Vc1.1 inhibits human dorsal root ganglion neuroexcitability and mouse colonic nociception via GABA receptors. <i>Gut</i> , 2017 , 66, 1083-1094	19.2	61
4	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. <i>Scientific Reports</i> , 2017 , 7, 42810	4.9	47
3	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. <i>Nature</i> , 2016 , 534, 494-9	50.4	190
2	Translational potential of a mouse in vitro bioassay in predicting gastrointestinal adverse drug reactions in Phase I clinical trials. <i>Neurogastroenterology and Motility</i> , 2014 , 26, 980-9	4	7

- 1 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