

# Luke Grundy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4263300/publications.pdf>

Version: 2024-02-01

39  
papers

1,468  
citations

361296

20  
h-index

360920

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1338  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. <i>Nature</i> , 2016, 534, 494-499.	13.7	239
2	Visceral Pain. <i>Annual Review of Physiology</i> , 2019, 81, 261-284.	5.6	159
3	Pain in Endometriosis. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 590823.	1.8	95
4	Mechanisms Underlying Overactive Bladder and Interstitial Cystitis/Painful Bladder Syndrome. <i>Frontiers in Neuroscience</i> , 2018, 12, 931.	1.4	84
5	$\hat{\pm}$ -Conotoxin Vc1.1 inhibits human dorsal root ganglion neuroexcitability and mouse colonic nociception via GABA <sub>B</sub> receptors. <i>Gut</i> , 2017, 66, 1083-1094.	6.1	77
6	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. <i>Scientific Reports</i> , 2017, 7, 42810.	1.6	67
7	Chronic linaclotide treatment reduces colitis-induced neuroplasticity and reverses persistent bladder dysfunction. <i>JCI Insight</i> , 2018, 3, .	2.3	61
8	Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. <i>JCI Insight</i> , 2019, 4, .	2.3	59
9	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.	1.6	44
10	Histamine induces peripheral and central hypersensitivity to bladder distension via the histamine H <sub>1</sub> receptor and TRPV1. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F298-F314.	1.3	42
11	Identifying unique subtypes of spinal afferent nerve endings within the urinary bladder of mice. <i>Journal of Comparative Neurology</i> , 2018, 526, 707-720.	0.9	42
12	TRPV1 enhances the afferent response to P2X receptor activation in the mouse urinary bladder. <i>Scientific Reports</i> , 2018, 8, 197.	1.6	36
13	Voltage-gated sodium channels: Navigating the field to determine their contribution to visceral nociception. <i>Journal of Physiology</i> , 2018, 596, 785-807.	1.3	36
14	Cyclic analogues of $\hat{\pm}$ -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.	2.7	36
15	Nav1.1 inhibition can reduce visceral hypersensitivity. <i>JCI Insight</i> , 2018, 3, .	2.3	34
16	Tetrodotoxin-sensitive voltage-gated sodium channels regulate bladder afferent responses to distension. <i>Pain</i> , 2018, 159, 2573-2584.	2.0	31
17	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.	1.6	30
18	Contribution of membrane receptor signalling to chronic visceral pain. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 98, 10-23.	1.2	29

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19	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.	2.0	28
20	Translating peripheral bladder afferent mechanosensitivity to neuronal activation within the lumbosacral spinal cord of mice. <i>Pain</i> , 2019, 160, 793-804.	2.0	25
21	Linaclotide treatment reduces endometriosis-associated vaginal hyperalgesia and mechanical allodynia through viscerovisceral cross-talk. <i>Pain</i> , 2019, 160, 2566-2579.	2.0	25
22	NKA enhances bladder-afferent mechanosensitivity via urothelial and detrusor activation. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1174-F1185.	1.3	23
23	Innate immune response to bacterial urinary tract infection sensitises high-threshold bladder afferents and recruits silent nociceptors. <i>Pain</i> , 2020, 161, 202-210.	2.0	19
24	Identification of a Quorum Sensing-Dependent Communication Pathway Mediating Bacteria-Gut-Brain Cross Talk. <i>IScience</i> , 2020, 23, 101695.	1.9	18
25	Serotonin exerts a direct modulatory role on bladder afferent firing in mice. <i>Journal of Physiology</i> , 2019, 597, 5247-5264.	1.3	17
26	Extrinsic Sensory Afferent Nerves Innervating the Gastrointestinal Tract in Health and Disease. , 2018, , 387-418.		14
27	Purinergic receptor mediated calcium signalling in urothelial cells. <i>Scientific Reports</i> , 2019, 9, 16101.	1.6	12
28	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.	1.9	12
29	The validation of an in vitro colonic motility assay as a biomarker for gastrointestinal adverse drug reactions. <i>Toxicology and Applied Pharmacology</i> , 2010, 245, 299-309.	1.3	10
30	A mouse model of endometriosis that displays vaginal, colon, cutaneous, and bladder sensory comorbidities. <i>FASEB Journal</i> , 2021, 35, e21430.	0.2	10
31	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.	1.6	9
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.	1.7	9
33	Pharmacological modulation of voltage-gated sodium (NaV) channels alters nociception arising from the female reproductive tract. <i>Pain</i> , 2021, 162, 227-242.	2.0	9
34	Experimentally Induced Bladder Permeability Evokes Bladder Afferent Hypersensitivity in the Absence of Inflammation. <i>Frontiers in Neuroscience</i> , 2020, 14, 590871.	1.4	8
35	Guanylate cyclase-C agonists as peripherally acting treatments of chronic visceral pain. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 110-122.	4.0	8
36	A syngeneic inoculation mouse model of endometriosis that develops multiple comorbid visceral and cutaneous pain like behaviours. <i>Pain</i> , 2021, Publish Ahead of Print, .	2.0	6

#	ARTICLE	IF	CITATIONS
37	Urinary Tract Infection in Overactive Bladder: An Update on Pathophysiological Mechanisms. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	3
38	TGR5 agonists induce peripheral and central hypersensitivity to bladder distension. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
39	Gastrointestinal Sensation; General Principles. , 2020, , 701-710.		0