

Stuart Brierley

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3605794/stuart-brierley-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

107
papers

5,075
citations

39
h-index

69
g-index

118
ext. papers

6,056
ext. citations

8.7
avg, IF

5.68
L-index

#	Paper	IF	Citations
107	Enterochromaffin Cells Are Gut Chemosensors that Couple to Sensory Neural Pathways. <i>Cell</i> , 2017 , 170, 185-198.e16	56.2	364
106	Splanchnic and pelvic mechanosensory afferents signal different qualities of colonic stimuli in mice. <i>Gastroenterology</i> , 2004 , 127, 166-78	13.3	241
105	Different contributions of ASIC channels 1a, 2, and 3 in gastrointestinal mechanosensory function. <i>Gut</i> , 2005 , 54, 1408-15	19.2	215
104	The ion channel TRPA1 is required for normal mechanosensation and is modulated by algescic stimuli. <i>Gastroenterology</i> , 2009 , 137, 2084-2095.e3	13.3	204
103	Selective role for TRPV4 ion channels in visceral sensory pathways. <i>Gastroenterology</i> , 2008 , 134, 2059-69	13.3	200
102	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. <i>Nature</i> , 2016 , 534, 494-9	50.4	190
101	Linaclotide inhibits colonic nociceptors and relieves abdominal pain via guanylate cyclase-C and extracellular cyclic guanosine 3',5'-cyclic monophosphate. <i>Gastroenterology</i> , 2013 , 145, 1334-46.e1-11	13.3	186
100	Neuroplasticity and dysfunction after gastrointestinal inflammation. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2014 , 11, 611-27	24.2	168
99	Sensory neuro-immune interactions differ between irritable bowel syndrome subtypes. <i>Gut</i> , 2013 , 62, 1456-65	19.2	141
98	Expression of taste molecules in the upper gastrointestinal tract in humans with and without type 2 diabetes. <i>Gut</i> , 2009 , 58, 337-46	19.2	134
97	Post-inflammatory colonic afferent sensitisation: different subtypes, different pathways and different time courses. <i>Gut</i> , 2009 , 58, 1333-41	19.2	131
96	The ion channel ASIC1 contributes to visceral but not cutaneous mechanoreceptor function. <i>Gastroenterology</i> , 2004 , 127, 1739-47	13.3	123
95	Differential chemosensory function and receptor expression of splanchnic and pelvic colonic afferents in mice. <i>Journal of Physiology</i> , 2005 , 567, 267-81	3.9	118
94	Small bowel homing T cells are associated with symptoms and delayed gastric emptying in functional dyspepsia. <i>American Journal of Gastroenterology</i> , 2011 , 106, 1089-98	0.7	111
93	Transient receptor potential vanilloid 4 mediates protease activated receptor 2-induced sensitization of colonic afferent nerves and visceral hyperalgesia. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, G1288-98	5.1	110
92	A novel role for TRPM8 in visceral afferent function. <i>Pain</i> , 2011 , 152, 1459-1468	8	102
91	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. <i>Nature Communications</i> , 2014 , 5, 3165	17.4	95

90	TRPA1 contributes to specific mechanically activated currents and sensory neuron mechanical hypersensitivity. <i>Journal of Physiology</i> , 2011 , 589, 3575-93	3.9	95
89	Protease-activated receptor-2 in endosomes signals persistent pain of irritable bowel syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E7438-E7447	11.5	78
88	Visceral Pain. <i>Annual Review of Physiology</i> , 2019 , 81, 261-284	23.1	78
87	Localization and comparative analysis of acid-sensing ion channel (ASIC1, 2, and 3) mRNA expression in mouse colonic sensory neurons within thoracolumbar dorsal root ganglia. <i>Journal of Comparative Neurology</i> , 2007 , 500, 863-75	3.4	77
86	Ghrelin selectively reduces mechanosensitivity of upper gastrointestinal vagal afferents. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, G1376-84	5.1	77
85	Gastric vagal afferent modulation by leptin is influenced by food intake status. <i>Journal of Physiology</i> , 2013 , 591, 1921-34	3.9	68
84	Activation of splanchnic and pelvic colonic afferents by bradykinin in mice. <i>Neurogastroenterology and Motility</i> , 2005 , 17, 854-62	4	64
83	Conotoxin 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
82	TRP channels: new targets for visceral pain. <i>Gut</i> , 2010 , 59, 126-35	19.2	61
81	Neural mechanisms underlying migrating motor complex formation in mouse isolated colon. <i>British Journal of Pharmacology</i> , 2001 , 132, 507-17	8.6	59
80	Apelin targets gut contraction to control glucose metabolism via the brain. <i>Gut</i> , 2017 , 66, 258-269	19.2	58
79	Post-inflammatory modification of colonic afferent mechanosensitivity. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 1034-40	3	54
78	Guanylate cyclase-C receptor activation: unexpected biology. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 632-40	5.1	53
77	Acid sensing ion channels 2 and 3 are required for inhibition of visceral nociceptors by benzamil. <i>Pain</i> , 2007 , 133, 150-60	8	52
76	Sprouting of colonic afferent central terminals and increased spinal mitogen-activated protein kinase expression in a mouse model of chronic visceral hypersensitivity. <i>Journal of Comparative Neurology</i> , 2012 , 520, 2241-55	3.4	51
75	Deletion of interleukin-6 signal transducer gp130 in small sensory neurons attenuates mechanonociception and down-regulates TRPA1 expression. <i>Journal of Neuroscience</i> , 2014 , 34, 9845-56	6.6	50
74	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. <i>Scientific Reports</i> , 2017 , 7, 42810	4.9	47
73	Involvement of metabotropic glutamate 5 receptor in visceral pain. <i>Pain</i> , 2008 , 137, 295-305	8	47

72	Structure-Activity Studies of Cysteine-Rich β -Conotoxins that Inhibit High-Voltage-Activated Calcium Channels via GABA(B) Receptor Activation Reveal a Minimal Functional Motif. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4692-6	16.4	46
71	Molecular basis of mechanosensitivity. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010 , 153, 58-68	2.4	43
70	Mechanisms Underlying Overactive Bladder and Interstitial Cystitis/Painful Bladder Syndrome. <i>Frontiers in Neuroscience</i> , 2018 , 12, 931	5.1	42
69	Immune derived opioidergic inhibition of viscerosensory afferents is decreased in Irritable Bowel Syndrome patients. <i>Brain, Behavior, and Immunity</i> , 2014 , 42, 191-203	16.6	40
68	Chronic linaclotide treatment reduces colitis-induced neuroplasticity and reverses persistent bladder dysfunction. <i>JCI Insight</i> , 2018 , 3,	9.9	38
67	Spinal Afferent Innervation of the Colon and Rectum. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 467	6.1	38
66	Increased Opioid receptor expression and function during chronic visceral hypersensitivity. <i>Gut</i> , 2014 , 63, 1199-200	19.2	37
65	TRPV1-expressing sensory fibres and IBS: links with immune function. <i>Gut</i> , 2009 , 58, 465-6	19.2	34
64	Potentiation of mouse vagal afferent mechanosensitivity by ionotropic and metabotropic glutamate receptors. <i>Journal of Physiology</i> , 2006 , 577, 295-306	3.9	34
63	Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. <i>JCI Insight</i> , 2019 , 4,	9.9	33
62	Trefoil Factor Family: Unresolved Questions and Clinical Perspectives. <i>Trends in Biochemical Sciences</i> , 2019 , 44, 387-390	10.3	31
61	Use of natural products in gastrointestinal therapies. <i>Current Opinion in Pharmacology</i> , 2011 , 11, 604-11	5.1	29
60	Cyclic analogues of β -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	8.6	28
59	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
58	Nav1.1 inhibition can reduce visceral hypersensitivity. <i>JCI Insight</i> , 2018 , 3,	9.9	25
57	Voltage-gated sodium channels: (Na) ⁺ gating the field to determine their contribution to visceral nociception. <i>Journal of Physiology</i> , 2018 , 596, 785-807	3.9	24
56	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
55	Pain in Endometriosis. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 590823	6.1	23

54	G-CSF Receptor Blockade Ameliorates Arthritic Pain and Disease. <i>Journal of Immunology</i> , 2017 , 198, 3565-3575	5.3	22
53	Protease-activated receptor 1 is implicated in irritable bowel syndrome mediators-induced signaling to thoracic human sensory neurons. <i>Pain</i> , 2018 , 159, 1257-1267	8	22
52	Structure-Activity Studies Reveal the Molecular Basis for GABA-Receptor Mediated Inhibition of High Voltage-Activated Calcium Channels by Conotoxin Vc1.1. <i>ACS Chemical Biology</i> , 2018 , 13, 1577-1587	4.9	22
51	Conopeptide-Derived μ Opioid Agonists (Conorphins): Potent, Selective, and Metabolic Stable Dynorphin A Mimetics with Antinociceptive Properties. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 2381-95	8.3	21
50	Pain-Causing Venom Peptides: Insights into Sensory Neuron Pharmacology. <i>Toxins</i> , 2017 , 10,	4.9	19
49	Co-expression of μ and δ opioid receptors by mouse colonic nociceptors. <i>British Journal of Pharmacology</i> , 2018 , 175, 2622-2634	8.6	18
48	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
47	A Novel Role of Cyclic GMP in Colonic Sensory Neurotransmission in Healthy and TNBS-Treated Mice. <i>Gastroenterology</i> , 2011 , 140, S-538	13.3	18
46	Involvement of galanin receptors 1 and 2 in the modulation of mouse vagal afferent mechanosensitivity. <i>Journal of Physiology</i> , 2007 , 583, 675-84	3.9	18
45	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
44	Na 1.6 regulates excitability of mechanosensitive sensory neurons. <i>Journal of Physiology</i> , 2019 , 597, 3751-3768	16	16
43	Emerging receptor target in the pharmacotherapy of irritable bowel syndrome with constipation. <i>Expert Review of Gastroenterology and Hepatology</i> , 2013 , 7, 15-9	4.2	16
42	Tetrodotoxin-sensitive voltage-gated sodium channels regulate bladder afferent responses to distension. <i>Pain</i> , 2018 , 159, 2573-2584	8	16
41	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
40	5-HT(3) and 5-HT(4) receptors contribute to the anti-motility effects of <i>Garcinia buchananii</i> bark extract in the guinea-pig distal colon. <i>Neurogastroenterology and Motility</i> , 2012 , 24, e27-40	4	14
39	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
38	<i>Garcinia buchananii</i> bark extract is an effective anti-diarrheal remedy for lactose-induced diarrhea. <i>Journal of Ethnopharmacology</i> , 2012 , 142, 539-47	5	13
37	Innervation of the Gastrointestinal Tract by Spinal and Vagal Afferent Nerves 2012 , 703-731		13

36	Activation of colo-rectal high-threshold afferent nerves by Interleukin-2 is tetrodotoxin-sensitive and upregulated in a mouse model of chronic visceral hypersensitivity. <i>Neurogastroenterology and Motility</i> , 2016 , 28, 54-63	4	13
35	Identifying spinal sensory pathways activated by noxious esophageal acid. <i>Neurogastroenterology and Motility</i> , 2013 , 25, e660-8	4	12
34	Acute colitis chronically alters immune infiltration mechanisms and sensory neuro-immune interactions. <i>Brain, Behavior, and Immunity</i> , 2017 , 60, 319-332	16.6	12
33	Identifying the Ion Channels Responsible for Signaling Gastro-Intestinal Based Pain. <i>Pharmaceuticals</i> , 2010 , 3, 2768-2798	5.2	12
32	Linaclotide treatment reduces endometriosis-associated vaginal hyperalgesia and mechanical allodynia through viscerovisceral cross-talk. <i>Pain</i> , 2019 , 160, 2566-2579	8	12
31	Translating peripheral bladder afferent mechanosensitivity to neuronal activation within the lumbosacral spinal cord of mice. <i>Pain</i> , 2019 , 160, 793-804	8	11
30	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
29	Mo1849 Mechanism of Action for Linaclotide Induced Abdominal Pain Relief. <i>Gastroenterology</i> , 2012 , 142, S-699	13.3	9
28	Serotonin exerts a direct modulatory role on bladder afferent firing in mice. <i>Journal of Physiology</i> , 2019 , 597, 5247-5264	3.9	8
27	Altered Ion Channel/Receptor Expression and Function in Extrinsic Sensory Neurons: The Cause of and Solution to Chronic Visceral Pain?. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 891, 75-90	3.6	8
26	Extrinsic Sensory Afferent Nerves Innervating the Gastrointestinal Tract in Health and Disease 2018 , 387-418		8
25	Purinergic receptor mediated calcium signalling in urothelial cells. <i>Scientific Reports</i> , 2019 , 9, 16101	4.9	7
24	Synthesis of Multivalent [Lys8]-Oxytocin Dendrimers that Inhibit Visceral Nociceptive Responses. <i>Australian Journal of Chemistry</i> , 2017 , 70, 162	1.2	6
23	Structure, Function, and Therapeutic Potential of the Trefoil Factor Family in the Gastrointestinal Tract. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 583-597	5.9	6
22	Garcinia Buchananii Bark Extract Inhibits Nociceptors, With Greater Efficacy During Inflammation. <i>Gastroenterology</i> , 2011 , 140, S-866	13.3	6
21	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
20	Identification of a Quorum Sensing-Dependent Communication Pathway Mediating Bacteria-Gut-Brain Cross Talk. <i>IScience</i> , 2020 , 23, 101695	6.1	6
19	Olorinab (APD371), a peripherally acting, highly selective, full agonist of the cannabinoid receptor 2, reduces colitis-induced acute and chronic visceral hypersensitivity in rodents. <i>Pain</i> , 2021 ,	8	5

18	TRP Channels in Visceral Pain. <i>Open Pain Journal</i> , 2013 , 6, 23-30	0.3	3
17	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
16	Design of a Stable Cyclic Peptide Analgesic Derived from Sunflower Seeds that Targets the μ Opioid Receptor for the Treatment of Chronic Abdominal Pain. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 9042-9055	8.3	3
15	561 Chronic Oral Administration of the Guanylate Cyclase-C Agonist Linaclotide Attenuates Colitis Induced Bladder Afferent Hyperactivity. <i>Gastroenterology</i> , 2016 , 150, S118-S119	13.3	3
14	Gut nociceptors: sentinels promoting host defense. <i>Cell Research</i> , 2020 , 30, 279-280	24.7	2
13	Effects and sites of action of a M1 receptor positive allosteric modulator on colonic motility in rats and dogs compared with 5-HT agonism and cholinesterase inhibition. <i>Neurogastroenterology and Motility</i> , 2020 , 32, e13866	4	2
12	Structure-Activity Studies of Cysteine-Rich μ Conotoxins that Inhibit High-Voltage-Activated Calcium Channels via GABAB Receptor Activation Reveal a Minimal Functional Motif. <i>Angewandte Chemie</i> , 2016 , 128, 4770-4774	3.6	2
11	Guanylate cyclase-C agonists as peripherally acting treatments of chronic visceral pain. <i>Trends in Pharmacological Sciences</i> , 2021 ,	13.2	2
10	A mouse model of endometriosis that displays vaginal, colon, cutaneous, and bladder sensory comorbidities. <i>FASEB Journal</i> , 2021 , 35, e21430	0.9	2
9	Experimental Colitis Models. <i>Methods in Pharmacology and Toxicology</i> , 2012 , 379-390	1.1	1
8	Visualising vagal afferent neurons and their terminals whilst silencing TRPV1. <i>Journal of Physiology</i> , 2010 , 588, 4069-70	3.9	1
7	Experimentally Induced Bladder Permeability Evokes Bladder Afferent Hypersensitivity in the Absence of Inflammation. <i>Frontiers in Neuroscience</i> , 2020 , 14, 590871	5.1	1
6	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
5	Pruritogenic mechanisms and gut sensation: putting the "irritant" into irritable bowel syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 320, G1131-G1141	5.1	1
4	Pharmacological Inhibition of the Voltage-Gated Sodium Channel Na _v 1.7 Alleviates Chronic Visceral Pain in a Rodent Model of Irritable Bowel Syndrome. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 1362-1378	5.9	1
3	Clodronate Treatment Prevents Vaginal Hypersensitivity in a Mouse Model of Vestibulodynia.. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 784972	5.9	0
2	All ahead stop! How intestinal motility adapts to cope with inflammation induced ulceration. <i>Journal of Physiology</i> , 2010 , 588, 753-4	3.9	
1	Gastrointestinal Sensation; General Principles 2020 , 701-710		

