

Stuart Brierley

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3605794/publications.pdf>

Version: 2024-02-01

115
papers

6,771
citations

61984

43
h-index

66911

78
g-index

118
all docs

118
docs citations

118
times ranked

5788
citing authors

#	ARTICLE	IF	CITATIONS
1	Enterochromaffin Cells Are Gut Chemosensors that Couple to Sensory Neural Pathways. <i>Cell</i> , 2017, 170, 185-198.e16.	28.9	568
2	Splanchnic and pelvic mechanosensory afferents signal different qualities of colonic stimuli in mice. <i>Gastroenterology</i> , 2004, 127, 166-178.	1.3	275
3	Different contributions of ASIC channels 1a, 2, and 3 in gastrointestinal mechanosensory function. <i>Gut</i> , 2005, 54, 1408-1415.	12.1	246
4	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. <i>Nature</i> , 2016, 534, 494-499.	27.8	239
5	The Ion Channel TRPA1 Is Required for Normal Mechanosensation and Is Modulated by Algesic Stimuli. <i>Gastroenterology</i> , 2009, 137, 2084-2095.e3.	1.3	232
6	Linaclotide Inhibits Colonic Nociceptors and Relieves Abdominal Pain via Guanylate Cyclase-C and Extracellular Cyclic Guanosine 3',5'-Monophosphate. <i>Gastroenterology</i> , 2013, 145, 1334-1346.e11.	1.3	231
7	Selective Role for TRPV4 Ion Channels in Visceral Sensory Pathways. <i>Gastroenterology</i> , 2008, 134, 2059-2069.	1.3	228
8	Neuroplasticity and dysfunction after gastrointestinal inflammation. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2014, 11, 611-627.	17.8	227
9	Sensory neuro-immune interactions differ between Irritable Bowel Syndrome subtypes. <i>Gut</i> , 2013, 62, 1456-1465.	12.1	172
10	Visceral Pain. <i>Annual Review of Physiology</i> , 2019, 81, 261-284.	13.1	159
11	Expression of taste molecules in the upper gastrointestinal tract in humans with and without type 2 diabetes. <i>Gut</i> , 2009, 58, 337-346.	12.1	156
12	Post-inflammatory colonic afferent sensitisation: different subtypes, different pathways and different time courses. <i>Gut</i> , 2009, 58, 1333-1341.	12.1	154
13	Small Bowel Homing T Cells Are Associated With Symptoms and Delayed Gastric Emptying in Functional Dyspepsia. <i>American Journal of Gastroenterology</i> , 2011, 106, 1089-1098.	0.4	149
14	The ion channel ASIC1 contributes to visceral but not cutaneous mechanoreceptor function. <i>Gastroenterology</i> , 2004, 127, 1739-1747.	1.3	138
15	Differential chemosensory function and receptor expression of splanchnic and pelvic colonic afferents in mice. <i>Journal of Physiology</i> , 2005, 567, 267-281.	2.9	135
16	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.	7.1	128
17	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-G1298.	3.4	127
18	A novel role for TRPM8 in visceral afferent function. <i>Pain</i> , 2011, 152, 1459-1468.	4.2	124

#	ARTICLE	IF	CITATIONS
19	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. <i>Nature Communications</i> , 2014, 5, 3165.	12.8	122
20	TRPA1 contributes to specific mechanically activated currents and sensory neuron mechanical hypersensitivity. <i>Journal of Physiology</i> , 2011, 589, 3575-3593.	2.9	116
21	Pain in Endometriosis. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 590823.	3.7	95
22	Ghrelin selectively reduces mechanosensitivity of upper gastrointestinal vagal afferents. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G1376-G1384.	3.4	91
23	Mechanisms Underlying Overactive Bladder and Interstitial Cystitis/Painful Bladder Syndrome. <i>Frontiers in Neuroscience</i> , 2018, 12, 931.	2.8	84
24	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, 863-875.	1.6	83
25	Gastric vagal afferent modulation by leptin is influenced by food intake status. <i>Journal of Physiology</i> , 2013, 591, 1921-1934.	2.9	78
26	Spinal Afferent Innervation of the Colon and Rectum. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 467.	3.7	78
27	Î±-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
28	Apelin targets gut contraction to control glucose metabolism via the brain. <i>Gut</i> , 2017, 66, 258-269.	12.1	73
29	Activation of splanchnic and pelvic colonic afferents by bradykinin in mice. <i>Neurogastroenterology and Motility</i> , 2005, 17, 854-862.	3.0	72
30	TRP channels: new targets for visceral pain. <i>Gut</i> , 2010, 59, 126-135.	12.1	69
31	Guanylate cyclase-C receptor activation: unexpected biology. <i>Current Opinion in Pharmacology</i> , 2012, 12, 632-640.	3.5	67
32	Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. <i>Scientific Reports</i> , 2017, 7, 42810.	3.3	67
33	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, 9845-9856.	3.6	66
34	Neural mechanisms underlying migrating motor complex formation in mouse isolated colon. <i>British Journal of Pharmacology</i> , 2001, 132, 507-517.	5.4	63
35	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, 2241-2255.	1.6	62
36	Chronic linaclotide treatment reduces colitis-induced neuroplasticity and reverses persistent bladder dysfunction. <i>JCI Insight</i> , 2018, 3, .	5.0	61

#	ARTICLE	IF	CITATIONS
37	Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. <i>JCI Insight</i> , 2019, 4, .	5.0	59
38	Acid sensing ion channels 2 and 3 are required for inhibition of visceral nociceptors by benzamil. <i>Pain</i> , 2007, 133, 150-160.	4.2	56
39	Post-inflammatory modification of colonic afferent mechanosensitivity. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 1034-1040.	1.9	56
40	Involvement of metabotropic glutamate 5 receptor in visceral pain. <i>Pain</i> , 2008, 137, 295-305.	4.2	54
41	Structure-Activity Studies of Cysteine-Rich \hat{I} -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, 4692-4696.	13.8	54
42	Trefoil Factor Family: Unresolved Questions and Clinical Perspectives. <i>Trends in Biochemical Sciences</i> , 2019, 44, 387-390.	7.5	52
43	Molecular basis of mechanosensitivity. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 153, 58-68.	2.8	47
44	Potential of mouse vagal afferent mechanosensitivity by ionotropic and metabotropic glutamate receptors. <i>Journal of Physiology</i> , 2006, 577, 295-306.	2.9	45
45	Immune derived opioidergic inhibition of viscerosensory afferents is decreased in Irritable Bowel Syndrome patients. <i>Brain, Behavior, and Immunity</i> , 2014, 42, 191-203.	4.1	44
46	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
47	Histamine induces peripheral and central hypersensitivity to bladder distension via the histamine H ₁ receptor and TRPV1. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F298-F314.	2.7	42
48	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
49	Use of natural products in gastrointestinal therapies. <i>Current Opinion in Pharmacology</i> , 2011, 11, 604-611.	3.5	41
50	Increased \hat{I} -opioid receptor expression and function during chronic visceral hypersensitivity. <i>Gut</i> , 2014, 63, 1199-1200.	12.1	40
51	TRPV1-expressing sensory fibres and IBS: links with immune function. <i>Gut</i> , 2009, 58, 465-466.	12.1	37
52	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
53	Cyclic analogues of \hat{I} -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
54	Nav1.1 inhibition can reduce visceral hypersensitivity. <i>JCI Insight</i> , 2018, 3, .	5.0	34

#	ARTICLE	IF	CITATIONS
55	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.	4.2	31
56	Tetrodotoxin-sensitive voltage-gated sodium channels regulate bladder afferent responses to distension. <i>Pain</i> , 2018, 159, 2573-2584.	4.2	31
57	Na ^V 1.6 regulates excitability of mechanosensitive sensory neurons. <i>Journal of Physiology</i> , 2019, 597, 3751-3768.	2.9	31
58	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.	3.4	30
59	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
60	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, 2381-2395.	6.4	28
61	G-CSF Receptor Blockade Ameliorates Arthritic Pain and Disease. <i>Journal of Immunology</i> , 2017, 198, 3565-3575.	0.8	28
62	Structure-Activity Studies Reveal the Molecular Basis for GABA _B -Receptor Mediated Inhibition of High Voltage-Activated Calcium Channels by \pm -Conotoxin Vc1.1. <i>ACS Chemical Biology</i> , 2018, 13, 1577-1587.	3.4	28
63	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.	4.2	28
64	Pain-Causing Venom Peptides: Insights into Sensory Neuron Pharmacology. <i>Toxins</i> , 2018, 10, 15.	3.4	27
65	Co-expression of μ and δ opioid receptors by mouse colonic nociceptors. <i>British Journal of Pharmacology</i> , 2018, 175, 2622-2634.	5.4	25
66	Translating peripheral bladder afferent mechanosensitivity to neuronal activation within the lumbosacral spinal cord of mice. <i>Pain</i> , 2019, 160, 793-804.	4.2	25
67	Linacotide treatment reduces endometriosis-associated vaginal hyperalgesia and mechanical allodynia through viscerovisceral cross-talk. <i>Pain</i> , 2019, 160, 2566-2579.	4.2	25
68	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
69	Involvement of galanin receptors 1 and 2 in the modulation of mouse vagal afferent mechanosensitivity. <i>Journal of Physiology</i> , 2007, 583, 675-684.	2.9	21
70	Garcinia buchananii bark extract is an effective anti-diarrheal remedy for lactose-induced diarrhea. <i>Journal of Ethnopharmacology</i> , 2012, 142, 539-547.	4.1	21
71	A Novel Role of Cyclic GMP in Colonic Sensory Neurotransmission in Healthy and TNBS-Treated Mice. <i>Gastroenterology</i> , 2011, 140, S-538.	1.3	20
72	Innervation of the Gastrointestinal Tract by Spinal and Vagal Afferent Nerves. , 2012, , 703-731.		19

#	ARTICLE	IF	CITATIONS
73	Innate immune response to bacterial urinary tract infection sensitises high-threshold bladder afferents and recruits silent nociceptors. <i>Pain</i> , 2020, 161, 202-210.	4.2	19
74	Identification of a Quorum Sensing-Dependent Communication Pathway Mediating Bacteria-Gut-Brain Cross Talk. <i>iScience</i> , 2020, 23, 101695.	4.1	18
75	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> , 2022, 163, e72-e86.	4.2	18
76	Emerging receptor target in the pharmacotherapy of irritable bowel syndrome with constipation. <i>Expert Review of Gastroenterology and Hepatology</i> , 2013, 7, 15-19.	3.0	17
77	Acute colitis chronically alters immune infiltration mechanisms and sensory neuro-immune interactions. <i>Brain, Behavior, and Immunity</i> , 2017, 60, 319-332.	4.1	17
78	Serotonin exerts a direct modulatory role on bladder afferent firing in mice. <i>Journal of Physiology</i> , 2019, 597, 5247-5264.	2.9	17
79	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.	4.9	17
80	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.	6.4	17
81	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.	3.0	16
82	Identifying spinal sensory pathways activated by noxious esophageal acid. <i>Neurogastroenterology and Motility</i> , 2013, 25, e660-8.	3.0	16
83	Identifying the Ion Channels Responsible for Signaling Gastro-Intestinal Based Pain. <i>Pharmaceuticals</i> , 2010, 3, 2768-2798.	3.8	14
84	Activation of colorectal 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.	3.0	14
85	Extrinsic Sensory Afferent Nerves Innervating the Gastrointestinal Tract in Health and Disease. , 2018, , 387-418.		14
86	Purinergic receptor mediated calcium signalling in urothelial cells. <i>Scientific Reports</i> , 2019, 9, 16101.	3.3	12
87	The Hot Mustard Receptor's Role in Gut Motor Function. <i>Gastroenterology</i> , 2011, 141, 423-427.	1.3	10
88	Mechanism of Action for Linaclotide Induced Abdominal Pain Relief. <i>Gastroenterology</i> , 2012, 142, S-699.	1.3	10
89	A mouse model of endometriosis that displays vaginal, colon, cutaneous, and bladder sensory comorbidities. <i>FASEB Journal</i> , 2021, 35, e21430.	0.5	10
90	Pharmacological Inhibition of the Voltage-Gated Sodium Channel NaV1.7 Alleviates Chronic Visceral Pain in a Rodent Model of Irritable Bowel Syndrome. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1362-1378.	4.9	10

#	ARTICLE	IF	CITATIONS
91	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.	1.6	9
92	Synthesis of Multivalent [Lys8]-Oxytocin Dendrimers that Inhibit Visceral Nociceptive Responses. <i>Australian Journal of Chemistry</i> , 2017, 70, 162.	0.9	9
93	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.	3.6	9
94	Pharmacological modulation of voltage-gated sodium (NaV) channels alters nociception arising from the female reproductive tract. <i>Pain</i> , 2021, 162, 227-242.	4.2	9
95	Garcinia Buchanania Bark Extract Inhibits Nociceptors, With Greater Efficacy During Inflammation. <i>Gastroenterology</i> , 2011, 140, S-866.	1.3	8
96	Experimentally Induced Bladder Permeability Evokes Bladder Afferent Hypersensitivity in the Absence of Inflammation. <i>Frontiers in Neuroscience</i> , 2020, 14, 590871.	2.8	8
97	Guanylate cyclase-C agonists as peripherally acting treatments of chronic visceral pain. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 110-122.	8.7	8
98	Pruritogenic mechanisms and gut sensation: putting the "irritant" into irritable bowel syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G1131-G1141.	3.4	6
99	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, .	4.2	6
100	Effects and sites of action of a M1 receptor positive allosteric modulator on colonic motility in rats and dogs compared with 5-HT ₄ agonism and cholinesterase inhibition. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13866.	3.0	4
101	Orai1 and Orai2, but not Orai3-mediated CRAC is regulated by intracellular pH. <i>Journal of Physiology</i> , 2022, 600, 623-643.	2.9	4
102	561 Chronic Oral Administration of the Guanylate Cyclase-C Agonist Linaclotide Attenuates Colitis Induced Bladder Afferent Hyperactivity. <i>Gastroenterology</i> , 2016, 150, S118-S119.	1.3	3
103	Gut nociceptors: sentinels promoting host defense. <i>Cell Research</i> , 2020, 30, 279-280.	12.0	3
104	TRP Channels in Visceral Pain. <i>Open Pain Journal</i> , 2013, 6, 23-30.	0.4	3
105	Clodronate Treatment Prevents Vaginal Hypersensitivity in a Mouse Model of Vestibulodynia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 784972.	3.9	3
106	Structure-Activity Studies of Cysteine-Rich Conotoxins that Inhibit High-Voltage-Activated Calcium Channels via GABA _B Receptor Activation Reveal a Minimal Functional Motif. <i>Angewandte Chemie</i> , 2016, 128, 4770-4774.	2.0	2
107	Su1578 Chronic Intracolonic Administration of Linaclotide Inhibits Nociceptive Signaling in a Mouse Model of Chronic Visceral Hypersensitivity. <i>Gastroenterology</i> , 2019, 156, S-570.	1.3	2
108	TGR5 agonists induce peripheral and central hypersensitivity to bladder distension. <i>Scientific Reports</i> , 2022, 12, .	3.3	2

#	ARTICLE	IF	CITATIONS
109	Visualising vagal afferent neurons and their terminals whilst silencing TRPV1. <i>Journal of Physiology</i> , 2010, 588, 4069-4070.	2.9	1
110	Sa1677 “ Chronic Colonic Administration of the Guanylate Cyclase-C Agonist Linaclotide Attenuates Colitis Induced Bladder Afferent Hyperactivity. <i>Gastroenterology</i> , 2019, 156, S-363.	1.3	1
111	Mo1146 CHRONIC INTRA-COLONIC LINACLOTIDE ADMINISTRATION ALTERS GLIAL ACTIVATION IN A MOUSE MODEL OF CHRONIC VISCERAL HYPERSENSITIVITY. <i>Gastroenterology</i> , 2020, 158, S-803.	1.3	1
112	Food for thought about the immune drivers of gut pain. <i>Nature</i> , 2021, 590, 41-43.	27.8	1
113	All ahead stop! How intestinal motility adapts to cope with inflammation induced ulceration. <i>Journal of Physiology</i> , 2010, 588, 753-754.	2.9	0
114	HIGHLIGHTS IN BASIC AUTONOMIC NEUROSCIENCES. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 152, 1-3.	2.8	0
115	Gastrointestinal Sensation; General Principles. , 2020, , 701-710.		0