

Stuart Brierley

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.

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 | 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 |
| 106 | Guanylate cyclase-C agonists as peripherally acting treatments of chronic visceral pain. <i>Trends in Pharmacological Sciences</i> , 2021 , | 13.2 | 2 |
| 105 | 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 |
| 104 | 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 |
| 103 | A mouse model of endometriosis that displays vaginal, colon, cutaneous, and bladder sensory comorbidities. <i>FASEB Journal</i> , 2021 , 35, e21430 | 0.9 | 2 |
| 102 | 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 |
| 101 | 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 |
| 100 | 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 |
| 99 | Pharmacological Inhibition of the Voltage-Gated Sodium Channel Na1.7 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 |
| 98 | 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 |
| 97 | 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 |
| 96 | Gut nociceptors: sentinels promoting host defense. <i>Cell Research</i> , 2020 , 30, 279-280 | 24.7 | 2 |
| 95 | 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 |
| 94 | Gastrointestinal Sensation; General Principles 2020 , 701-710 | | |
| 93 | 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 |
| 92 | 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 |
| 91 | Identification of a Quorum Sensing-Dependent Communication Pathway Mediating Bacteria-Gut-Brain Cross Talk. <i>IScience</i> , 2020 , 23, 101695 | 6.1 | 6 |

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| 90 | Experimentally Induced Bladder Permeability Evokes Bladder Afferent Hypersensitivity in the Absence of Inflammation. <i>Frontiers in Neuroscience</i> , 2020 , 14, 590871 | 5.1 | 1 |
| 89 | Pain in Endometriosis. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 590823 | 6.1 | 23 |
| 88 | 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 |
| 87 | Na 1.6 regulates excitability of mechanosensitive sensory neurons. <i>Journal of Physiology</i> , 2019 , 597, 3753-3768 | 5.3 | 16 |
| 86 | Translating peripheral bladder afferent mechanosensitivity to neuronal activation within the lumbosacral spinal cord of mice. <i>Pain</i> , 2019 , 160, 793-804 | 8 | 11 |
| 85 | Trefoil Factor Family: Unresolved Questions and Clinical Perspectives. <i>Trends in Biochemical Sciences</i> , 2019 , 44, 387-390 | 10.3 | 31 |
| 84 | Serotonin exerts a direct modulatory role on bladder afferent firing in mice. <i>Journal of Physiology</i> , 2019 , 597, 5247-5264 | 3.9 | 8 |
| 83 | Purinergic receptor mediated calcium signalling in urothelial cells. <i>Scientific Reports</i> , 2019 , 9, 16101 | 4.9 | 7 |
| 82 | Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. <i>JCI Insight</i> , 2019 , 4, | 9.9 | 33 |
| 81 | Linaclotide treatment reduces endometriosis-associated vaginal hyperalgesia and mechanical allodynia through viscerovisceral cross-talk. <i>Pain</i> , 2019 , 160, 2566-2579 | 8 | 12 |
| 80 | Visceral Pain. <i>Annual Review of Physiology</i> , 2019 , 81, 261-284 | 23.1 | 78 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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 |
| 75 | 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 |
| 74 | Nav1.1 inhibition can reduce visceral hypersensitivity. <i>JCI Insight</i> , 2018 , 3, | 9.9 | 25 |
| 73 | Chronic linaclotide treatment reduces colitis-induced neuroplasticity and reverses persistent bladder dysfunction. <i>JCI Insight</i> , 2018 , 3, | 9.9 | 38 |

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| 72 | Cyclic analogues of ϵ -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 |
| 71 | 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 |
| 70 | Spinal Afferent Innervation of the Colon and Rectum. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 467 | 6.1 | 38 |
| 69 | Mechanisms Underlying Overactive Bladder and Interstitial Cystitis/Painful Bladder Syndrome. <i>Frontiers in Neuroscience</i> , 2018 , 12, 931 | 5.1 | 42 |
| 68 | Tetrodotoxin-sensitive voltage-gated sodium channels regulate bladder afferent responses to distension. <i>Pain</i> , 2018 , 159, 2573-2584 | 8 | 16 |
| 67 | 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 |
| 66 | Structure-Activity Studies Reveal the Molecular Basis for GABA-Receptor Mediated Inhibition of High Voltage-Activated Calcium Channels by ϵ -Conotoxin Vc1.1. <i>ACS Chemical Biology</i> , 2018 , 13, 1577-1587 | 4.9 | 22 |
| 65 | Extrinsic Sensory Afferent Nerves Innervating the Gastrointestinal Tract in Health and Disease 2018 , 387-418 | | 8 |
| 64 | 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 |
| 63 | ϵ -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 |
| 62 | Apelin targets gut contraction to control glucose metabolism via the brain. <i>Gut</i> , 2017 , 66, 258-269 | 19.2 | 58 |
| 61 | Multiple sodium channel isoforms mediate the pathological effects of Pacific ciguatoxin-1. <i>Scientific Reports</i> , 2017 , 7, 42810 | 4.9 | 47 |
| 60 | Synthesis of Multivalent [Lys8]-Oxytocin Dendrimers that Inhibit Visceral Nociceptive Responses. <i>Australian Journal of Chemistry</i> , 2017 , 70, 162 | 1.2 | 6 |
| 59 | Enterochromaffin Cells Are Gut Chemosensors that Couple to Sensory Neural Pathways. <i>Cell</i> , 2017 , 170, 185-198.e16 | 56.2 | 364 |
| 58 | G-CSF Receptor Blockade Ameliorates Arthritic Pain and Disease. <i>Journal of Immunology</i> , 2017 , 198, 3565-3575 | 5.3 | 22 |
| 57 | 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 |
| 56 | Pain-Causing Venom Peptides: Insights into Sensory Neuron Pharmacology. <i>Toxins</i> , 2017 , 10, | 4.9 | 19 |
| 55 | Structure-Activity Studies of Cysteine-Rich ϵ -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 |

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| 54 | Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. <i>Nature</i> , 2016 , 534, 494-9 | 50.4 | 190 |
| 53 | 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 |
| 52 | 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 |
| 51 | Structure-Activity Studies of Cysteine-Rich μ 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | Neuroplasticity and dysfunction after gastrointestinal inflammation. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2014 , 11, 611-27 | 24.2 | 168 |
| 47 | 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 |
| 46 | Increased μ opioid receptor expression and function during chronic visceral hypersensitivity. <i>Gut</i> , 2014 , 63, 1199-200 | 19.2 | 37 |
| 45 | 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 |
| 44 | Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. <i>Nature Communications</i> , 2014 , 5, 3165 | 17.4 | 95 |
| 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 | Identifying spinal sensory pathways activated by noxious esophageal acid. <i>Neurogastroenterology and Motility</i> , 2013 , 25, e660-8 | 4 | 12 |
| 41 | Sensory neuro-immune interactions differ between irritable bowel syndrome subtypes. <i>Gut</i> , 2013 , 62, 1456-65 | 19.2 | 141 |
| 40 | 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 |
| 39 | Gastric vagal afferent modulation by leptin is influenced by food intake status. <i>Journal of Physiology</i> , 2013 , 591, 1921-34 | 3.9 | 68 |
| 38 | TRP Channels in Visceral Pain. <i>Open Pain Journal</i> , 2013 , 6, 23-30 | 0.3 | 3 |
| 37 | Guanylate cyclase-C receptor activation: unexpected biology. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 632-40 | 5.1 | 53 |

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| 36 | 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 |
| 35 | Mo1849 Mechanism of Action for Linaclotide Induced Abdominal Pain Relief. <i>Gastroenterology</i> , 2012 , 142, S-699 | 13.3 | 9 |
| 34 | <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 |
| 33 | Experimental Colitis Models. <i>Methods in Pharmacology and Toxicology</i> , 2012 , 379-390 | 1.1 | 1 |
| 32 | Innervation of the Gastrointestinal Tract by Spinal and Vagal Afferent Nerves 2012 , 703-731 | | 13 |
| 31 | 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 |
| 30 | 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 |
| 29 | <i>Garcinia Buchananii</i> Bark Extract Inhibits Nociceptors, With Greater Efficacy During Inflammation. <i>Gastroenterology</i> , 2011 , 140, S-866 | 13.3 | 6 |
| 28 | Use of natural products in gastrointestinal therapies. <i>Current Opinion in Pharmacology</i> , 2011 , 11, 604-11 | 5.1 | 29 |
| 27 | TRPA1 contributes to specific mechanically activated currents and sensory neuron mechanical hypersensitivity. <i>Journal of Physiology</i> , 2011 , 589, 3575-93 | 3.9 | 95 |
| 26 | A novel role for TRPM8 in visceral afferent function. <i>Pain</i> , 2011 , 152, 1459-1468 | 8 | 102 |
| 25 | 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 |
| 24 | All ahead stop! How intestinal motility adapts to cope with inflammation induced ulceration. <i>Journal of Physiology</i> , 2010 , 588, 753-4 | 3.9 | |
| 23 | Visualising vagal afferent neurons and their terminals whilst silencing TRPV1. <i>Journal of Physiology</i> , 2010 , 588, 4069-70 | 3.9 | 1 |
| 22 | Identifying the Ion Channels Responsible for Signaling Gastro-Intestinal Based Pain. <i>Pharmaceuticals</i> , 2010 , 3, 2768-2798 | 5.2 | 12 |
| 21 | TRP channels: new targets for visceral pain. <i>Gut</i> , 2010 , 59, 126-35 | 19.2 | 61 |
| 20 | Molecular basis of mechanosensitivity. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010 , 153, 58-68 | 2.4 | 43 |
| 19 | 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 |

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| 18 | Post-inflammatory colonic afferent sensitisation: different subtypes, different pathways and different time courses. <i>Gut</i> , 2009 , 58, 1333-41 | 19.2 | 131 |
| 17 | TRPV1-expressing sensory fibres and IBS: links with immune function. <i>Gut</i> , 2009 , 58, 465-6 | 19.2 | 34 |
| 16 | Post-inflammatory modification of colonic afferent mechanosensitivity. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 1034-40 | 3 | 54 |
| 15 | 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 |
| 14 | Selective role for TRPV4 ion channels in visceral sensory pathways. <i>Gastroenterology</i> , 2008 , 134, 2059-69 | 13.3 | 200 |
| 13 | Involvement of metabotropic glutamate 5 receptor in visceral pain. <i>Pain</i> , 2008 , 137, 295-305 | 8 | 47 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | Ghrelin selectively reduces mechanosensitivity of upper gastrointestinal vagal afferents. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, G1376-84 | 5.1 | 77 |
| 8 | 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 |
| 7 | Potentiation of mouse vagal afferent mechanosensitivity by ionotropic and metabotropic glutamate receptors. <i>Journal of Physiology</i> , 2006 , 577, 295-306 | 3.9 | 34 |
| 6 | Activation of splanchnic and pelvic colonic afferents by bradykinin in mice. <i>Neurogastroenterology and Motility</i> , 2005 , 17, 854-62 | 4 | 64 |
| 5 | 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 |
| 4 | Different contributions of ASIC channels 1a, 2, and 3 in gastrointestinal mechanosensory function. <i>Gut</i> , 2005 , 54, 1408-15 | 19.2 | 215 |
| 3 | Splanchnic and pelvic mechanosensory afferents signal different qualities of colonic stimuli in mice. <i>Gastroenterology</i> , 2004 , 127, 166-78 | 13.3 | 241 |
| 2 | The ion channel ASIC1 contributes to visceral but not cutaneous mechanoreceptor function. <i>Gastroenterology</i> , 2004 , 127, 1739-47 | 13.3 | 123 |
| 1 | Neural mechanisms underlying migrating motor complex formation in mouse isolated colon. <i>British Journal of Pharmacology</i> , 2001 , 132, 507-17 | 8.6 | 59 |

