

Nigel W Bunnett

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.

212
papers

18,625
citations

70
h-index

132
g-index

220
ext. papers

20,458
ext. citations

7.2
avg. IF

6.33
L-index

#	Paper	IF	Citations
212	Schwann cell endosome CGRP signals elicit periorbital mechanical allodynia in mice.. <i>Nature Communications</i> , 2022 , 13, 646	17.4	2
211	Oral cancer induced TRPV1 sensitization is mediated by PAR signaling in primary afferent neurons innervating the cancer microenvironment.. <i>Scientific Reports</i> , 2022 , 12, 4121	4.9	1
210	Arrestin-mediated trafficking and compartmentalized biology of GPCRs 2022 , 9-24		
209	Sustained endosomal release of a neurokinin-1 receptor antagonist from nanostars provides long-lasting relief of chronic pain.. <i>Biomaterials</i> , 2022 , 285, 121536	15.6	1
208	Contributions of Bile Acids to Gastrointestinal Physiology as Receptor Agonists and Modifiers of Ion Channels. <i>American Journal of Physiology - Renal Physiology</i> , 2021 ,	5.1	3
207	Peripheral Nerve Resident Macrophages and Schwann Cells Mediate Cancer-Induced Pain. <i>Cancer Research</i> , 2021 , 81, 3387-3401	10.1	7
206	Agonist that activates the μ -opioid receptor in acidified microenvironments inhibits colitis pain without side effects. <i>Gut</i> , 2021 ,	19.2	7
205	Serotonin-induced vascular permeability is mediated by transient receptor potential vanilloid 4 in the airways and upper gastrointestinal tract of mice. <i>Laboratory Investigation</i> , 2021 , 101, 851-864	5.9	2
204	Targeting G protein-coupled receptors for the treatment of chronic pain in the digestive system. <i>Gut</i> , 2021 , 70, 970-981	19.2	7
203	Legumain Induces Oral Cancer Pain by Biased Agonism of Protease-Activated Receptor-2. <i>Journal of Neuroscience</i> , 2021 , 41, 193-210	6.6	9
202	A lipid-anchored neurokinin 1 receptor antagonist prolongs pain relief by a three-pronged mechanism of action targeting the receptor at the plasma membrane and in endosomes. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100345	5.4	3
201	Nanotechnology for Pain Management: Current and Future Therapeutic Interventions.. <i>Nano Today</i> , 2021 , 39, 101223-101223	17.9	3
200	Cathepsin S Evokes PAR-Dependent Pain in Oral Squamous Cell Carcinoma Patients and Preclinical Mouse Models. <i>Cancers</i> , 2021 , 13,	6.6	1
199	The transient receptor potential vanilloid 4 (TRPV4) ion channel mediates protease activated receptor 1 (PAR1)-induced vascular hyperpermeability. <i>Laboratory Investigation</i> , 2020 , 100, 1057-1067	5.9	5
198	Endosomal signaling of delta opioid receptors is an endogenous mechanism and therapeutic target for relief from inflammatory pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 15281-15292	11.5	29
197	Application of a Sulfoxonium Ylide Electrophile to Generate Cathepsin X-Selective Activity-Based Probes. <i>ACS Chemical Biology</i> , 2020 , 15, 718-727	4.9	8
196	Bile acids inhibit cholinergic constriction in proximal and peripheral airways from humans and rodents. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L264-L275	5.8	6

195	Application of a chemical probe to detect neutrophil elastase activation during inflammatory bowel disease. <i>Scientific Reports</i> , 2019 , 9, 13295	4.9	13
194	Protein kinase D and G β mediate sustained nociceptive signaling by biased agonists of protease-activated receptor-2. <i>Journal of Biological Chemistry</i> , 2019 , 294, 10649-10662	5.4	4
193	Effects of Serotonin and Slow-Release 5-Hydroxytryptophan on Gastrointestinal Motility in a Mouse Model of Depression. <i>Gastroenterology</i> , 2019 , 157, 507-521.e4	13.3	48
192	G-Protein-Coupled Receptors Are Dynamic Regulators of Digestion and Targets for Digestive Diseases. <i>Gastroenterology</i> , 2019 , 156, 1600-1616	13.3	11
191	A pH-responsive nanoparticle targets the neurokinin 1 receptor in endosomes to prevent chronic pain. <i>Nature Nanotechnology</i> , 2019 , 14, 1150-1159	28.7	60
190	Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. <i>JCI Insight</i> , 2019 , 4,	9.9	33
189	Schwann cells expressing nociceptive channel TRPA1 orchestrate ethanol-evoked neuropathic pain in mice. <i>Journal of Clinical Investigation</i> , 2019 , 129, 5424-5441	15.9	28
188	Sez6 levels are elevated in cerebrospinal fluid of patients with inflammatory pain-associated conditions. <i>Pain Reports</i> , 2019 , 4, e719	3.5	4
187	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
186	TRPA1/NOX in the soma of trigeminal ganglion neurons mediates migraine-related pain of glyceryl trinitrate in mice. <i>Brain</i> , 2018 , 141, 2312-2328	11.2	64
185	Inflammation-associated changes in DOR expression and function in the mouse colon. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, G544-G559	5.1	15
184	Therapeutic Targeting of Endosomal G-Protein-Coupled Receptors. <i>Trends in Pharmacological Sciences</i> , 2018 , 39, 879-891	13.2	56
183	Stress activates pronociceptive endogenous opioid signalling in DRG neurons during chronic colitis. <i>Gut</i> , 2017 , 66, 2121-2131	19.2	23
182	Neurokinin 1 receptor signaling in endosomes mediates sustained nociception and is a viable therapeutic target for prolonged pain relief. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	91
181	G-CSF Receptor Blockade Ameliorates Arthritic Pain and Disease. <i>Journal of Immunology</i> , 2017 , 198, 3565-3575	5.3	22
180	Endosomal signaling of the receptor for calcitonin gene-related peptide mediates pain transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12309-12314	11.5	83
179	Schwann cell TRPA1 mediates neuroinflammation that sustains macrophage-dependent neuropathic pain in mice. <i>Nature Communications</i> , 2017 , 8, 1887	17.4	96
178	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G548-60	5.1	19

177	Plasma membrane localization of the Opioid receptor controls spatiotemporal signaling. <i>Science Signaling</i> , 2016 , 9, ra16	8.8	48
176	G Protein-Coupled Receptor Trafficking and Signalling in the Enteric Nervous System: The Past, Present and Future. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 891, 145-52	3.6	7
175	Distribution and trafficking of the Opioid receptor in enteric neurons of the guinea pig. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G252-66	5.1	17
174	Neurotensin-induced miR-133b expression regulates neurotensin receptor 1 recycling through its downstream target aftiphilin. <i>Scientific Reports</i> , 2016 , 6, 22195	4.9	5
173	Prognostic and mechanistic potential of progesterone sulfates in intrahepatic cholestasis of pregnancy and pruritus gravidarum. <i>Hepatology</i> , 2016 , 63, 1287-98	11.2	56
172	Protein Kinase D and G β Subunits Mediate Agonist-evoked Translocation of Protease-activated Receptor-2 from the Golgi Apparatus to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2016 , 291, 11285-99	5.4	14
171	Targeting of Transient Receptor Potential Channels in Digestive Disease 2015 , 385-403		
170	Inflammation-induced abnormalities in the subcellular localization and trafficking of the neurokinin 1 receptor in the enteric nervous system. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, G248-59	5.1	14
169	G Protein-Coupled Receptors: Dynamic Machines for Signaling Pain and Itch. <i>Neuron</i> , 2015 , 88, 635-49	13.9	89
168	The G protein-coupled receptor-transient receptor potential channel axis: molecular insights for targeting disorders of sensation and inflammation. <i>Pharmacological Reviews</i> , 2015 , 67, 36-73	22.5	100
167	GPCR-mediated EGF receptor transactivation regulates TRPV4 action in the vasculature. <i>British Journal of Pharmacology</i> , 2015 , 172, 2493-506	8.6	31
166	Neutrophil Elastase Activates Protease-activated Receptor-2 (PAR2) and Transient Receptor Potential Vanilloid 4 (TRPV4) to Cause Inflammation and Pain. <i>Journal of Biological Chemistry</i> , 2015 , 290, 13875-87	5.4	98
165	Quantification and Potential Functions of Endogenous Agonists of Transient Receptor Potential Channels in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2015 , 149, 433-44.e7	13.3	85
164	Fatty Acid-binding Proteins 1 and 2 Differentially Modulate the Activation of Peroxisome Proliferator-activated Receptor β in a Ligand-selective Manner. <i>Journal of Biological Chemistry</i> , 2015 , 290, 13895-906	5.4	37
163	P2Y1 Receptor Activation of the TRPV4 Ion Channel Enhances Purinergic Signaling in Satellite Glial Cells. <i>Journal of Biological Chemistry</i> , 2015 , 290, 29051-62	5.4	32
162	Neuro-humoral signalling by bile acids and the TGR5 receptor in the gastrointestinal tract. <i>Journal of Physiology</i> , 2014 , 592, 2943-50	3.9	53
161	Tachykinins and their receptors: contributions to physiological control and the mechanisms of disease. <i>Physiological Reviews</i> , 2014 , 94, 265-301	47.9	349
160	The bile acid receptor TGR5 activates the TRPA1 channel to induce itch in mice. <i>Gastroenterology</i> , 2014 , 147, 1417-28	13.3	157

159	Localisation and activation of the neurokinin 1 receptor in the enteric nervous system of the mouse distal colon. <i>Cell and Tissue Research</i> , 2014 , 356, 319-32	4.2	10
158	Feeding-dependent activation of enteric cells and sensory neurons by lymphatic fluid: evidence for a neurolymphocrine system. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, G686-98	5.1	9
157	Activation of mu opioid receptors sensitizes transient receptor potential vanilloid type 1 (TRPV1) via β arrestin-2-mediated cross-talk. <i>PLoS ONE</i> , 2014 , 9, e93688	3.7	34
156	Cathepsin S causes inflammatory pain via biased agonism of PAR2 and TRPV4. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27215-27234	5.4	116
155	Biased signaling of protease-activated receptors. <i>Frontiers in Endocrinology</i> , 2014 , 5, 67	5.7	158
154	Proteolytic activation of the human epithelial sodium channel by trypsin IV and trypsin I involves distinct cleavage sites. <i>Journal of Biological Chemistry</i> , 2014 , 289, 19067-78	5.4	25
153	Endothelin-converting enzyme 1 and β arrestins exert spatiotemporal control of substance P-induced inflammatory signals. <i>Journal of Biological Chemistry</i> , 2014 , 289, 20283-94	5.4	18
152	Neural peptidase endothelin-converting enzyme 1 regulates endothelin 1-induced pruritus. <i>Journal of Clinical Investigation</i> , 2014 , 124, 2683-95	15.9	60
151	The bile acid receptor TGR5 does not interact with β arrestins or traffic to endosomes but transmits sustained signals from plasma membrane rafts. <i>Journal of Biological Chemistry</i> , 2013 , 288, 22942-60	5.4	69
150	The receptor TGR5 mediates the prokinetic actions of intestinal bile acids and is required for normal defecation in mice. <i>Gastroenterology</i> , 2013 , 144, 145-54	13.3	198
149	Activation of G protein-coupled bile acid receptor, TGR5, induces smooth muscle relaxation via both Epac- and PKA-mediated inhibition of RhoA/Rho kinase pathway. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, G527-35	5.1	49
148	Agonist-biased trafficking of somatostatin receptor 2A in enteric neurons. <i>Journal of Biological Chemistry</i> , 2013 , 288, 25689-25700	5.4	30
147	Arresting inflammation: contributions of plasma membrane and endosomal signalling to neuropeptide-driven inflammatory disease. <i>Biochemical Society Transactions</i> , 2013 , 41, 137-43	5.1	11
146	Protease-activated receptor 2 (PAR2) protein and transient receptor potential vanilloid 4 (TRPV4) protein coupling is required for sustained inflammatory signaling. <i>Journal of Biological Chemistry</i> , 2013 , 288, 5790-802	5.4	108
145	Sensitization of peripheral sensory nerves by mediators from colonic biopsies of diarrhea-predominant irritable bowel syndrome patients: a role for PAR2. <i>American Journal of Gastroenterology</i> , 2013 , 108, 1634-43	0.7	74
144	The TGR5 receptor mediates bile acid-induced itch and analgesia. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1513-30	15.9	229
143	Proteolytic activation of the epithelial sodium channel (ENaC) by the cysteine protease cathepsin-S. <i>Pflugers Archiv European Journal of Physiology</i> , 2012 , 464, 353-65	4.6	43
142	Endothelin-converting enzyme-1 actions determine differential trafficking and signaling of corticotropin-releasing factor receptor 1 at high agonist concentrations. <i>Molecular Endocrinology</i> , 2012 , 26, 681-95		25

141	Neurotensin-induced proinflammatory signaling in human colonocytes is regulated by β arrestins and endothelin-converting enzyme-1-dependent endocytosis and resensitization of neurotensin receptor 1. <i>Journal of Biological Chemistry</i> , 2012 , 287, 15066-75	5.4	27
140	N-glycosylation determines ionic permeability and desensitization of the TRPV1 capsaicin receptor. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21765-72	5.4	41
139	Cathepsin S is activated during colitis and causes visceral hyperalgesia by a PAR2-dependent mechanism in mice. <i>Gastroenterology</i> , 2011 , 141, 1864-74.e1-3	13.3	62
138	Transient receptor potential ankyrin 1 is expressed by inhibitory motoneurons of the mouse intestine. <i>Gastroenterology</i> , 2011 , 141, 565-75, 575.e1-4	13.3	65
137	Localization and regulation of fluorescently labeled delta opioid receptor, expressed in enteric neurons of mice. <i>Gastroenterology</i> , 2011 , 141, 982-991.e18	13.3	49
136	CGRP induction in cystic fibrosis airways alters the submucosal gland progenitor cell niche in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 3144-58	15.9	32
135	Endothelin-converting enzyme-1 regulates trafficking and signalling of the neurokinin 1 receptor in endosomes of myenteric neurones. <i>Journal of Physiology</i> , 2011 , 589, 5213-30	3.9	30
134	Serine proteases mediate inflammatory pain in acute pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, G1033-42	5.1	23
133	Protein phosphatase 2A mediates resensitization of the neurokinin 1 receptor. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 301, C780-91	5.4	18
132	Pungent general anesthetics activate transient receptor potential-A1 to produce hyperalgesia and neurogenic bronchoconstriction. <i>Anesthesiology</i> , 2010 , 112, 1452-63	4.3	54
131	Transient receptor potential ion channels V4 and A1 contribute to pancreatitis pain in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, G556-71	5.1	64
130	Transient receptor potential ankyrin-1 has a major role in mediating visceral pain in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, G81-91	5.1	93
129	Trafficking and signaling of G protein-coupled receptors in the nervous system: implications for disease and therapy. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010 , 9, 539-56	2.6	16
128	Endothelin-converting enzyme-1 (ECE-1)-dependent trafficking of corticotropin-releasing factor receptor 1 (CRF-R1). <i>FASEB Journal</i> , 2010 , 24, lb652	0.9	
127	Endosomes: a legitimate platform for the signaling train. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17615-22	11.5	270
126	Endosomal deubiquitinating enzymes control ubiquitination and down-regulation of protease-activated receptor 2. <i>Journal of Biological Chemistry</i> , 2009 , 284, 28453-28466	5.4	67
125	Endosomal endothelin-converting enzyme-1: a regulator of beta-arrestin-dependent ERK signaling. <i>Journal of Biological Chemistry</i> , 2009 , 284, 22411-22425	5.4	52
124	Protein kinase D isoforms are expressed in rat and mouse primary sensory neurons and are activated by agonists of protease-activated receptor 2. <i>Journal of Comparative Neurology</i> , 2009 , 516, 141-56	3.4	27

123	Proteinase-activated receptor-2 induces cyclooxygenase-2 expression through beta-catenin and cyclic AMP-response element-binding protein. <i>Journal of Biological Chemistry</i> , 2008 , 283, 809-15	5.4	37
122	Cox-dependent fatty acid metabolites cause pain through activation of the irritant receptor TRPA1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12045-50	11.5	132
121	Endothelin-converting enzyme-1 degrades internalized somatostatin-14. <i>Endocrinology</i> , 2008 , 149, 2200-7	7.8	33
120	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
119	Calcitonin receptor-like receptor (CLR), receptor activity-modifying protein 1 (RAMP1), and calcitonin gene-related peptide (CGRP) immunoreactivity in the rat trigeminovascular system: differences between peripheral and central CGRP receptor distribution. <i>Journal of Comparative Neurology</i> , 2008 , 507, 1277-99	3.4	242
118	Calcitonin receptor-like receptor (CLR), receptor activity-modifying protein 1 (RAMP1), and calcitonin gene-related peptide (CGRP) immunoreactivity in the rat trigeminovascular system: Differences between peripheral and central CGRP receptor distribution. <i>Journal of Comparative Neurology</i> , 2008 , 507, 1277-99	3.4	
117	Calcitonin receptor-like receptor (CLR), receptor activity-modifying protein 1 (RAMP1), and calcitonin gene-related peptide (CGRP) immunoreactivity in the rat trigeminovascular system: Differences between peripheral and central CGRP receptor distribution. <i>Journal of Comparative Neurology</i> , 2008 , 507, spc1-spc1	3.4	
116	Cigarette smoke-induced neurogenic inflammation is mediated by alpha,beta-unsaturated aldehydes and the TRPA1 receptor in rodents. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2574-82	15.9	295
115	Endothelin-converting enzyme 1 degrades neuropeptides in endosomes to control receptor recycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11838-43	11.5	64
114	Mast cell-dependent excitation of visceral-nociceptive sensory neurons in irritable bowel syndrome. <i>Gastroenterology</i> , 2007 , 132, 26-37	13.3	556
113	Protease-activated receptor 2, dipeptidyl peptidase I, and proteases mediate Clostridium difficile toxin A enteritis. <i>Gastroenterology</i> , 2007 , 132, 2422-37	13.3	41
112	Protease-activated receptor 2 sensitizes the transient receptor potential vanilloid 4 ion channel to cause mechanical hyperalgesia in mice. <i>Journal of Physiology</i> , 2007 , 578, 715-33	3.9	299
111	Mechanisms of protease-activated receptor 2-evoked hyperexcitability of nociceptive neurons innervating the mouse colon. <i>Journal of Physiology</i> , 2007 , 580, 977-91	3.9	50
110	Substance P released by TRPV1-expressing neurons produces reactive oxygen species that mediate ethanol-induced gastric injury. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 581-9	7.8	63
109	Trypsin IV or mesotrypsin and p23 cleave protease-activated receptors 1 and 2 to induce inflammation and hyperalgesia. <i>Journal of Biological Chemistry</i> , 2007 , 282, 26089-100	5.4	81
108	Hepatocyte growth factor-regulated tyrosine kinase substrate (HRS) mediates post-endocytic trafficking of protease-activated receptor 2 and calcitonin receptor-like receptor. <i>Journal of Biological Chemistry</i> , 2007 , 282, 29646-57	5.4	58
107	Agonists of protease-activated receptors 1 and 2 stimulate electrolyte secretion from mouse gallbladder. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, G335-46	5.1	12
106	Endothelin-converting enzyme-1 regulates endosomal sorting of calcitonin receptor-like receptor and beta-arrestins. <i>Journal of Cell Biology</i> , 2007 , 179, 981-97	7.3	82

105	Post-endocytic sorting of calcitonin receptor-like receptor and receptor activity-modifying protein 1. <i>Journal of Biological Chemistry</i> , 2007 , 282, 12260-71	5.4	59
104	4-Hydroxynonenal, an endogenous aldehyde, causes pain and neurogenic inflammation through activation of the irritant receptor TRPA1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 13519-24	11.5	584
103	Role for protease activity in visceral pain in irritable bowel syndrome. <i>Journal of Clinical Investigation</i> , 2007 , 117, 636-47	15.9	408
102	Protease-activated receptors: how proteases signal to cells to cause inflammation and pain. <i>Seminars in Thrombosis and Hemostasis</i> , 2006 , 32 Suppl 1, 39-48	5.3	94
101	Neuronal control of skin function: the skin as a neuroimmunoendocrine organ. <i>Physiological Reviews</i> , 2006 , 86, 1309-79	47.9	418
100	Transient receptor potential vanilloid 1, calcitonin gene-related peptide, and substance P mediate nociception in acute pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 290, G959-69	5.1	70
99	Protease-Activated Receptors in Gastrointestinal Function and Disease 2006 , 1-31		
98	Ubiquitin-dependent down-regulation of the neurokinin-1 receptor. <i>Journal of Biological Chemistry</i> , 2006 , 281, 27773-83	5.4	51
97	Proteinase-activated receptors, targets for kallikrein signaling. <i>Journal of Biological Chemistry</i> , 2006 , 281, 32095-112	5.4	187
96	Expression of the neurokinin type 1 receptor in the human colon. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2006 , 124, 9-17	2.4	16
95	Transmembrane Signaling by G Protein-Coupled Receptors 2006 , 63-90		
94	Protease-activated receptor-2 activation exaggerates TRPV1-mediated cough in guinea pigs. <i>Journal of Applied Physiology</i> , 2006 , 101, 506-11	3.7	66
93	Protease-activated receptor 2 sensitizes TRPV1 by protein kinase C epsilon- and A-dependent mechanisms in rats and mice. <i>Journal of Physiology</i> , 2006 , 575, 555-71	3.9	213
92	A role for proteinase-activated receptor-1 in inflammatory bowel diseases. <i>Journal of Clinical Investigation</i> , 2006 , 116, 2056	15.9	4
91	Neutral endopeptidase determines the severity of pancreatitis-associated lung injury. <i>Journal of Surgical Research</i> , 2005 , 128, 21-7	2.5	20
90	Transient receptor potential vanilloid (TRPV-1) promotes neurogenic inflammation in the pancreas via activation of the neurokinin-1 receptor (NK-1R). <i>Pancreas</i> , 2005 , 30, 260-5	2.6	55
89	Protease-activated receptors: regulation of neuronal function. <i>NeuroMolecular Medicine</i> , 2005 , 7, 79-99	4.6	39
88	Localization of calcitonin receptor-like receptor and receptor activity modifying protein 1 in enteric neurons, dorsal root ganglia, and the spinal cord of the rat. <i>Journal of Comparative Neurology</i> , 2005 , 490, 239-55	3.4	87

87	Mast cell tryptase controls paracellular permeability of the intestine. Role of protease-activated receptor 2 and beta-arrestins. <i>Journal of Biological Chemistry</i> , 2005 , 280, 31936-48	5.4	240
86	<i>Pseudomonas aeruginosa</i> elastase disables proteinase-activated receptor 2 in respiratory epithelial cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 32, 411-9	5.7	100
85	c-Cbl mediates ubiquitination, degradation, and down-regulation of human protease-activated receptor 2. <i>Journal of Biological Chemistry</i> , 2005 , 280, 16076-87	5.4	111
84	The stressed gut: contributions of intestinal stress peptides to inflammation and motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7409-10	11.5	18
83	Trypsin IV, a novel agonist of protease-activated receptors 2 and 4. <i>Journal of Biological Chemistry</i> , 2004 , 279, 13532-9	5.4	129
82	Cutaneous allergic contact dermatitis responses are diminished in mice deficient in neurokinin 1 receptors and augmented by neurokinin 2 receptor blockage. <i>FASEB Journal</i> , 2004 , 18, 1007-9	0.9	44
81	Recycling and resensitization of the neurokinin 1 receptor. Influence of agonist concentration and Rab GTPases. <i>Journal of Biological Chemistry</i> , 2004 , 279, 30670-9	5.4	65
80	Protease-activated receptors: contribution to physiology and disease. <i>Physiological Reviews</i> , 2004 , 84, 579-621	47.9	908
79	Activated mast cells in proximity to colonic nerves correlate with abdominal pain in irritable bowel syndrome. <i>Gastroenterology</i> , 2004 , 126, 693-702	13.3	1054
78	Protease-activated receptor 2 sensitizes the capsaicin receptor transient receptor potential vanilloid receptor 1 to induce hyperalgesia. <i>Journal of Neuroscience</i> , 2004 , 24, 4300-12	6.6	339
77	A role for proteinase-activated receptor-1 in inflammatory bowel diseases. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1444-56	15.9	65
76	Proteinase-activated receptor-2-induced colonic inflammation in mice: possible involvement of afferent neurons, nitric oxide, and paracellular permeability. <i>Journal of Immunology</i> , 2003 , 170, 4296-300	5.3	123
75	Proteinase-activated receptor-2 and human lung epithelial cells: disarming by neutrophil serine proteinases. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003 , 28, 339-46	5.7	112
74	Rab5a and rab11a mediate agonist-induced trafficking of protease-activated receptor 2. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 284, C1319-29	5.4	70
73	Human corneal epithelial cells express functional PAR-1 and PAR-2. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 99-105		25
72	Proteinase-activated receptor-2: physiological and pathophysiological roles. <i>Current Medicinal Chemistry Cardiovascular and Hematological Agents</i> , 2003 , 1, 61-72		30
71	The third intracellular loop and carboxyl tail of neurokinin 1 and 3 receptors determine interactions with beta-arrestins. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C945-58	5.4	41
70	Mast cell tryptase and proteinase-activated receptor 2 induce hyperexcitability of guinea-pig submucosal neurons. <i>Journal of Physiology</i> , 2003 , 547, 531-42	3.9	133

69	Colitis induced by proteinase-activated receptor-2 agonists is mediated by a neurogenic mechanism. <i>Canadian Journal of Physiology and Pharmacology</i> , 2003 , 81, 920-7	2.4	76
68	Proinflammatory role of proteinase-activated receptor-2 in humans and mice during cutaneous inflammation in vivo. <i>FASEB Journal</i> , 2003 , 17, 1871-85	0.9	109
67	Stimulation of proteinase-activated receptor 2 excites jejunal afferent nerves in anaesthetised rats. <i>Journal of Physiology</i> , 2003 , 552, 589-601	3.9	41
66	Agonists of proteinase-activated receptor 2 induce cytokine release and activation of nuclear transcription factor kappaB in human dermal microvascular endothelial cells. <i>Journal of Investigative Dermatology</i> , 2002 , 118, 380-5	4.3	94
65	Neutral endopeptidase activity is increased in the skin of subjects with diabetic ulcers. <i>Journal of Investigative Dermatology</i> , 2002 , 119, 1400-4	4.3	49
64	Neutral endopeptidase inhibition in diabetic wound repair. <i>Wound Repair and Regeneration</i> , 2002 , 10, 295-301	3.6	57
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