

Nigel W Bunnett

List of Publications by Year in descending order

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217
papers

22,345
citations

8159

76
h-index

9073

144
g-index

220
all docs

220
docs citations

220
times ranked

16107
citing authors

#	ARTICLE	IF	CITATIONS
1	Activated mast cells in proximity to colonic nerves correlate with abdominal pain in irritable bowel syndrome. <i>Gastroenterology</i> , 2004, 126, 693-702.	0.6	1,246
2	Protease-Activated Receptors: Contribution to Physiology and Disease. <i>Physiological Reviews</i> , 2004, 84, 579-621.	13.1	1,012
3	Proteinase-activated receptors: novel mechanisms of signaling by serine proteases. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 274, C1429-C1452.	2.1	706
4	Mast Cell-Dependent Excitation of Visceral-Nociceptive Sensory Neurons in Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2007, 132, 26-37.	0.6	668
5	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, 13519-13524.	3.3	655
6	Neuronal Control of Skin Function: The Skin as a Neuroimmunoendocrine Organ. <i>Physiological Reviews</i> , 2006, 86, 1309-1379.	13.1	536
7	Role for protease activity in visceral pain in irritable bowel syndrome. <i>Journal of Clinical Investigation</i> , 2007, 117, 636-647.	3.9	490
8	Regulatory mechanisms that modulate signalling by G-protein-coupled receptors. <i>Biochemical Journal</i> , 1997, 322, 1-18.	1.7	477
9	Tachykinins and Their Receptors: Contributions to Physiological Control and the Mechanisms of Disease. <i>Physiological Reviews</i> , 2014, 94, 265-301.	13.1	476
10	Molecular cloning, expression and potential functions of the human proteinase-activated receptor-2. <i>Biochemical Journal</i> , 1996, 314, 1009-1016.	1.7	423
11	Endocytosis of Activated TrkA: Evidence that Nerve Growth Factor Induces Formation of Signaling Endosomes. <i>Journal of Neuroscience</i> , 1996, 16, 7950-7964.	1.7	395
12	Protease-Activated Receptor 2 Sensitizes the Capsaicin Receptor Transient Receptor Potential Vanilloid Receptor 1 to Induce Hyperalgesia. <i>Journal of Neuroscience</i> , 2004, 24, 4300-4312.	1.7	381
13	Protease-activated receptors in inflammation, neuronal signaling and pain. <i>Trends in Pharmacological Sciences</i> , 2001, 22, 146-152.	4.0	361
14	Induction of Intestinal Inflammation in Mouse by Activation of Proteinase-Activated Receptor-2. <i>American Journal of Pathology</i> , 2002, 161, 1903-1915.	1.9	342
15	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, 715-733.	1.3	338
16	Cigarette smoke-induced neurogenic inflammation is mediated by \pm , β 2-unsaturated aldehydes and the TRPA1 receptor in rodents. <i>Journal of Clinical Investigation</i> , 2008, 118, 2574-82.	3.9	328
17	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, 17615-17622.	3.3	317
18	Protease-Activated Receptor 2 Mediates Eosinophil Infiltration and Hyperreactivity in Allergic Inflammation of the Airway. <i>Journal of Immunology</i> , 2002, 169, 5315-5321.	0.4	306

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19	The TGR5 receptor mediates bile acid-induced itch and analgesia. <i>Journal of Clinical Investigation</i> , 2013, 123, 1513-1530.	3.9	301
20	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, 1277-1299.	0.9	287
21	Mast Cell Tryptase Controls Paracellular Permeability of the Intestine. <i>Journal of Biological Chemistry</i> , 2005, 280, 31936-31948.	1.6	286
22	The Receptor TGR5 Mediates the Prokinetic Actions of Intestinal Bile Acids and Is Required for Normal Defecation in Mice. <i>Gastroenterology</i> , 2013, 144, 145-154.	0.6	265
23	Protease-activated receptor 2 sensitizes TRPV1 by protein kinase C γ - and A-dependent mechanisms in rats and mice. <i>Journal of Physiology</i> , 2006, 575, 555-571.	1.3	243
24	Proteinase-activated Receptors, Targets for Kallikrein Signaling*. <i>Journal of Biological Chemistry</i> , 2006, 281, 32095-32112.	1.6	217
25	Mechanisms of Desensitization and Resensitization of Proteinase-activated Receptor-2. <i>Journal of Biological Chemistry</i> , 1996, 271, 22003-22016.	1.6	215
26	Biased Signaling of Protease-Activated Receptors. <i>Frontiers in Endocrinology</i> , 2014, 5, 67.	1.5	201
27	Characterization of Antisera Specific to NK1, NK2, and NK3 Neurokinin Receptors and their Utilization to Localize Receptors in the Rat Gastrointestinal Tract. <i>Journal of Neuroscience</i> , 1996, 16, 6975-6986.	1.7	198
28	The Bile Acid Receptor TGR5 Activates the TRPA1 Channel to Induce Itch in Mice. <i>Gastroenterology</i> , 2014, 147, 1417-1428.	0.6	188
29	Neurokinin 1 Receptor Internalization in Spinal Cord Slices Induced by Dorsal Root Stimulation Is Mediated by NMDA Receptors. <i>Journal of Neuroscience</i> , 1997, 17, 8129-8136.	1.7	171
30	Thrombin and mast cell tryptase regulate guinea-pig myenteric neurons through proteinase-activated receptors-1 and 2. <i>Journal of Physiology</i> , 1999, 517, 741-756.	1.3	168
31	Schwann cell TRPA1 mediates neuroinflammation that sustains macrophage-dependent neuropathic pain in mice. <i>Nature Communications</i> , 2017, 8, 1887.	5.8	165
32	Trypsin activates pancreatic duct epithelial cell ion channels through proteinase-activated receptor-2. <i>Journal of Clinical Investigation</i> , 1999, 103, 261-269.	3.9	165
33	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, .	5.8	158
34	Trypsin IV, a Novel Agonist of Protease-activated Receptors 2 and 4. <i>Journal of Biological Chemistry</i> , 2004, 279, 13532-13539.	1.6	155
35	Trafficking of Proteinase-activated Receptor-2 and β -Arrestin-1 Tagged with Green Fluorescent Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 18524-18535.	1.6	153
36	Cathepsin S Causes Inflammatory Pain via Biased Agonism of PAR2 and TRPV4. <i>Journal of Biological Chemistry</i> , 2014, 289, 27215-27234.	1.6	153

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37	Mast cell tryptase and proteinase-activated receptor 2 induce hyperexcitability of guinea-pig submucosal neurons. <i>Journal of Physiology</i> , 2003, 547, 531-542.	1.3	151
38	Cellular sites of expression of the neurokinin-1 receptor in the rat gastrointestinal tract. <i>Journal of Comparative Neurology</i> , 1995, 358, 531-540.	0.9	150
39	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, 12045-12050.	3.3	146
40	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, 5790-5802.	1.6	140
41	Interactions of the Skin and Nervous System. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 1997, 2, 23-26.	0.8	136
42	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.	3.3	136
43	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, 13875-13887.	1.6	134
44	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, 4296-4300.	0.4	133
45	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.	7.1	131
46	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.	3.3	128
47	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.	1.6	127
48	Agonists of proteinase-activated receptor 1 induce plasma extravasation by a neurogenic mechanism. <i>British Journal of Pharmacology</i> , 2001, 133, 975-987.	2.7	125
49	Proteinase-Activated Receptor-2 and Human Lung Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 28, 339-346.	1.4	122
50	Proinflammatory role of proteinase-activated receptor-2 in humans and mice during cutaneous inflammation in vivo. <i>FASEB Journal</i> , 2003, 17, 1871-1885.	0.2	121
51	<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, 411-419.	1.4	120
52	c-Cbl Mediates Ubiquitination, Degradation, and Down-regulation of Human Protease-activated Receptor 2. <i>Journal of Biological Chemistry</i> , 2005, 280, 16076-16087.	1.6	119
53	Quantification and Potential Functions of Endogenous Agonists of Transient Receptor Potential Channels in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2015, 149, 433-444.e7.	0.6	116
54	Agonists of Proteinase-Activated Receptor 2 Induce Cytokine Release and Activation of Nuclear Transcription Factor κ B in Human Dermal Microvascular Endothelial Cells. <i>Journal of Investigative Dermatology</i> , 2002, 118, 380-385.	0.3	115

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55	G Protein-Coupled Receptors: Dynamic Machines for Signaling Pain and Itch. <i>Neuron</i> , 2015, 88, 635-649.	3.8	115
56	Protease-Activated Receptors: How Proteases Signal to Cells to Cause Inflammation and Pain. <i>Seminars in Thrombosis and Hemostasis</i> , 2006, 32, 039-048.	1.5	110
57	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-G91.	1.6	105
58	Acute ACE Inhibition Causes Plasma Extravasation in Mice That is Mediated by Bradykinin and Substance P. <i>Hypertension</i> , 1998, 31, 1299-1304.	1.3	103
59	Therapeutic Targeting of Endosomal G-Protein-Coupled Receptors. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 879-891.	4.0	103
60	A pH-responsive nanoparticle targets the neurokinin 1 receptor in endosomes to prevent chronic pain. <i>Nature Nanotechnology</i> , 2019, 14, 1150-1159.	15.6	103
61	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.	0.6	103
62	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.	3.7	101
63	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, 239-255.	0.9	100
64	Neutral Endopeptidase Terminates Substance P-Induced Inflammation in Allergic Contact Dermatitis. <i>Journal of Immunology</i> , 2001, 166, 1285-1291.	0.4	98
65	Protease-activated receptors: how proteases signal to cells. <i>Current Opinion in Pharmacology</i> , 2001, 1, 575-582.	1.7	96
66	Substance P mediates inflammatory oedema in acute pancreatitis via activation of the neurokinin-1 receptor in rats and mice. <i>British Journal of Pharmacology</i> , 2000, 130, 505-512.	2.7	95
67	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, 26089-26100.	1.6	92
68	Endothelin-converting enzyme-1 regulates endosomal sorting of calcitonin receptor-like receptor and β -arrestins. <i>Journal of Cell Biology</i> , 2007, 179, 981-997.	2.3	91
69	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-G969.	1.6	90
70	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, 1634-1643.	0.2	90
71	Desensitization of the Neurokinin-1 Receptor (NK1-R) in Neurons: Effects of Substance P on the Distribution of NK1-R, G α _{q/11} , G-Protein Receptor Kinase-2/3, and β -Arrestin-1/2. <i>Molecular Biology of the Cell</i> , 1998, 9, 2305-2324.	0.9	86
72	Substance P-induced Trafficking of β -Arrestins. <i>Journal of Biological Chemistry</i> , 1999, 274, 16257-16268.	1.6	86

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73	Prognostic and mechanistic potential of progesterone sulfates in intrahepatic cholestasis of pregnancy and pruritus gravidarum. <i>Hepatology</i> , 2016, 63, 1287-1298.	3.6	85
74	A role for proteinase-activated receptor-1 in inflammatory bowel diseases. <i>Journal of Clinical Investigation</i> , 2004, 114, 1444-1456.	3.9	82
75	Colitis induced by proteinase-activated receptor-2 agonists is mediated by a neurogenic mechanism. <i>Canadian Journal of Physiology and Pharmacology</i> , 2003, 81, 920-927.	0.7	81
76	Transient Receptor Potential Ankyrin 1 Is Expressed by Inhibitory Motoneurons of the Mouse Intestine. <i>Gastroenterology</i> , 2011, 141, 565-575.e4.	0.6	81
77	Neural peptidase endothelin-converting enzyme 1 regulates endothelin-1-induced pruritus. <i>Journal of Clinical Investigation</i> , 2014, 124, 2683-2695.	3.9	81
78	Distribution of neurokinin-2 receptors in the guinea-pig gastrointestinal tract. <i>Cell and Tissue Research</i> , 1996, 286, 281-292.	1.5	79
79	Direct Observation of Endocytosis of Gastrin Releasing Peptide and Its Receptor. <i>Journal of Biological Chemistry</i> , 1995, 270, 4603-4611.	1.6	78
80	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, 22942-22960.	1.6	78
81	Neutral Endopeptidase Expression and Distribution in Human Skin and Wounds. <i>Journal of Investigative Dermatology</i> , 1999, 112, 873-881.	0.3	77
82	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, 581-589.	1.3	77
83	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-G571.	1.6	76
84	Cathepsin S Is Activated During Colitis and Causes Visceral Hyperalgesia by a PAR2-Dependent Mechanism in Mice. <i>Gastroenterology</i> , 2011, 141, 1864-1874.e3.	0.6	76
85	Protease-activated receptor-2 activation exaggerates TRPV1-mediated cough in guinea pigs. <i>Journal of Applied Physiology</i> , 2006, 101, 506-511.	1.2	75
86	Recycling and Resensitization of the Neurokinin 1 Receptor. <i>Journal of Biological Chemistry</i> , 2004, 279, 30670-30679.	1.6	74
87	Rab5a and rab11a mediate agonist-induced trafficking of protease-activated receptor 2. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C1319-C1329.	2.1	73
88	Identification of Potential Tyrosine-containing Endocytic Motifs in the Carboxyl-tail and Seventh Transmembrane Domain of the Neurokinin 1 Receptor. <i>Journal of Biological Chemistry</i> , 1997, 272, 2363-2372.	1.6	72
89	Neurohumoral signalling by bile acids and the TGR5 receptor in the gastrointestinal tract. <i>Journal of Physiology</i> , 2014, 592, 2943-2950.	1.3	72
90	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.	3.3	72

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91	Endosomal Deubiquitinating Enzymes Control Ubiquitination and Down-regulation of Protease-activated Receptor 2. <i>Journal of Biological Chemistry</i> , 2009, 284, 28453-28466.	1.6	71
92	Basolateral proteinase-activated receptor (PAR-2) induces chloride secretion in mouse renal cortical collecting duct cells. <i>Journal of Physiology</i> , 1999, 521, 3-17.	1.3	70
93	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, 11838-11843.	3.3	70
94	Substance P release in the dorsal horn assessed by receptor internalization: NMDA receptors counteract a tonic inhibition by GABA _B receptors. <i>European Journal of Neuroscience</i> , 1999, 11, 417-426.	1.2	66
95	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, 260-265.	0.5	66
96	Post-endocytic Sorting of Calcitonin Receptor-like Receptor and Receptor Activity-modifying Protein 1. <i>Journal of Biological Chemistry</i> , 2007, 282, 12260-12271.	1.6	66
97	Neuropeptide regulation of human dermal microvascular endothelial cell ICAM-1 expression and function. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C1580-C1590.	2.1	65
98	Heterologous regulation of trafficking and signaling of G protein-coupled receptors: Arrestin-dependent interactions between neurokinin receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3324-3329.	3.3	65
99	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-G535.	1.6	65
100	Dynamin and Rab5a-dependent Trafficking and Signaling of the Neurokinin 1 Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 25427-25437.	1.6	64
101	Neutral endopeptidase inhibition in diabetic wound repair. <i>Wound Repair and Regeneration</i> , 2002, 10, 295-301.	1.5	64
102	Plasma membrane localization of the μ -opioid receptor controls spatiotemporal signaling. <i>Science Signaling</i> , 2016, 9, ra16.	1.6	61
103	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, 29646-29657.	1.6	60
104	Schwann cells expressing nociceptive channel TRPA1 orchestrate ethanol-evoked neuropathic pain in mice. <i>Journal of Clinical Investigation</i> , 2019, 129, 5424-5441.	3.9	60
105	Protease-Activated Receptors: Regulation of Neuronal Function. <i>NeuroMolecular Medicine</i> , 2005, 7, 079-100.	1.8	59
106	Activation of pruritogenic TGR5, MrgprA3, and MrgprC11 on colon-innervating afferents induces visceral hypersensitivity. <i>JCI Insight</i> , 2019, 4, .	2.3	59
107	Ubiquitin-dependent Down-regulation of the Neurokinin-1 Receptor. <i>Journal of Biological Chemistry</i> , 2006, 281, 27773-27783.	1.6	58
108	Pungent General Anesthetics Activate Transient Receptor Potential-A1 to Produce Hyperalgesia and Neurogenic Bronchoconstriction. <i>Anesthesiology</i> , 2010, 112, 1452-1463.	1.3	58

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109	Localization and Regulation of Fluorescently Labeled Delta Opioid Receptor, Expressed in Enteric Neurons of Mice. <i>Gastroenterology</i> , 2011, 141, 982-991.e8.	0.6	58
110	Schwann cell endosome CGRP signals elicit periorbital mechanical allodynia in mice. <i>Nature Communications</i> , 2022, 13, 646.	5.8	57
111	Neutral Endopeptidase Activity is Increased in the Skin of Subjects with Diabetic Ulcers. <i>Journal of Investigative Dermatology</i> , 2002, 119, 1400-1404.	0.3	56
112	Endosomal Endothelin-converting Enzyme-1. <i>Journal of Biological Chemistry</i> , 2009, 284, 22411-22425.	1.6	56
113	Proteolytic activation of the epithelial sodium channel (ENaC) by the cysteine protease cathepsin-S. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 464, 353-365.	1.3	54
114	Mechanisms of protease-activated receptor 2-evoked hyperexcitability of nociceptive neurons innervating the mouse colon. <i>Journal of Physiology</i> , 2007, 580, 977-991.	1.3	53
115	Substance P is a determinant of lethality in diet-induced hemorrhagic pancreatitis in mice. <i>Surgery</i> , 2000, 128, 232-239.	1.0	50
116	Neurogenic plasma leakage in mouse airways. <i>British Journal of Pharmacology</i> , 1999, 126, 522-528.	2.7	49
117	<sc>GPCR</sc>-mediated <sc>EGF</sc> receptor transactivation regulates <sc>TRPV</sc>4 action in the vasculature. <i>British Journal of Pharmacology</i> , 2015, 172, 2493-2506.	2.7	49
118	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, 13895-13906.	1.6	49
119	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, 1007-1009.	0.2	48
120	Protease-Activated Receptor 2, Dipeptidyl Peptidase I, and Proteases Mediate Clostridium difficile Toxin A Enteritis. <i>Gastroenterology</i> , 2007, 132, 2422-2437.	0.6	47
121	N-Glycosylation Determines Ionic Permeability and Desensitization of the TRPV1 Capsaicin Receptor. <i>Journal of Biological Chemistry</i> , 2012, 287, 21765-21772.	1.6	44
122	Stimulation of proteinase-activated receptor 2 excites jejunal afferent nerves in anaesthetised rats. <i>Journal of Physiology</i> , 2003, 552, 589-601.	1.3	44
123	Neural Regulation of Endothelial Cell-Mediated Inflammation. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2000, 5, 74-78.	0.8	43
124	Agonists of proteinase-activated receptor 2 excite guinea pig ileal myenteric neurons. <i>European Journal of Pharmacology</i> , 2001, 431, 311-314.	1.7	43
125	Proteinase-activated Receptor-2 Induces Cyclooxygenase-2 Expression through β -Catenin and Cyclic AMP-response Element-binding Protein. <i>Journal of Biological Chemistry</i> , 2008, 283, 809-815.	1.6	42
126	Protease-activated receptors: the role of cell-surface proteolysis in signalling. <i>Essays in Biochemistry</i> , 2002, 38, 169-183.	2.1	42

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127	The third intracellular loop and carboxyl tail of neurokinin 1 and 3 receptors determine interactions with β -arrestins. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 285, C945-C958.	2.1	41
128	Protein kinase C-mediated desensitization of the neurokinin 1 receptor. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C1097-C1106.	2.1	40
129	Deletion of neutral endopeptidase exacerbates intestinal inflammation induced by <i>Clostridium difficile</i> toxin A. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G544-G551.	1.6	40
130	Proteinase-Activated Receptor-2: Physiological and Pathophysiological Roles. <i>Current Medicinal Chemistry Cardiovascular and Hematological Agents</i> , 2003, 1, 61-72.	1.7	40
131	CGRP induction in cystic fibrosis airways alters the submucosal gland progenitor cell niche in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 3144-3158.	3.9	40
132	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.	1.1	39
133	P2Y1 Receptor Activation of the TRPV4 Ion Channel Enhances Purinergic Signaling in Satellite Glial Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 29051-29062.	1.6	39
134	Agonist-biased Trafficking of Somatostatin Receptor 2A in Enteric Neurons. <i>Journal of Biological Chemistry</i> , 2013, 288, 25689-25700.	1.6	35
135	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G548-G560.	1.6	35
136	A Role for Calcitonin Gene-Related Peptide in Protection Against Gastric Ulceration. <i>Annals of Surgery</i> , 1994, 219, 58-64.	2.1	34
137	Postsecretory Metabolism of Peptides. <i>The American Review of Respiratory Disease</i> , 1987, 136, S27-S34.	2.9	33
138	Neurokinin 1 receptor distribution in cholinergic neurons and targets of substance P terminals in the rat nucleus accumbens. <i>Journal of Comparative Neurology</i> , 2000, 423, 500-511.	0.9	33
139	Endothelin-Converting Enzyme-1 Degrades Internalized Somatostatin-14. <i>Endocrinology</i> , 2008, 149, 2200-2207.	1.4	33
140	Human mast cell proteases hydrolyze neurotensin, kinetensin and Leu5-enkephalin. <i>Peptides</i> , 1991, 12, 995-1000.	1.2	32
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