Nathalie Vergnolle

List of Publications by Citations

210 papers	12,884 citations	66 h-index	108 g-index
241 ext. papers	14,330 ext. citations	7.2 avg, IF	6.18 L-index

#	Paper	IF	Citations
210	Agonists of proteinase-activated receptor 2 induce inflammation by a neurogenic mechanism. *Nature Medicine*, **2000**, 6, 151-8	50.5	788
209	NSAID-induced gastric damage in rats: requirement for inhibition of both cyclooxygenase 1 and 2. *Gastroenterology*, **2000**, 119, 706-14	13.3	555
208	Proteinase-activated receptors: transducers of proteinase-mediated signaling in inflammation and immune response. *Endocrine Reviews*, **2005**, 26, 1-43	27.2	419
207	Role for protease activity in visceral pain in irritable bowel syndrome. *Journal of Clinical Investigation*, **2007**, 117, 636-47	15.9	408
206	Proteinase-activated receptor-2 and hyperalgesia: A novel pain pathway. *Nature Medicine*, **2001**, 7, 821-6	50.5	397
205	Protease-activated receptor 2 sensitizes the capsaicin receptor transient receptor potential vanilloid receptor 1 to induce hyperalgesia. *Journal of Neuroscience*, **2004**, 24, 4300-12	6.6	339
204	Protease-activated receptors in inflammation, neuronal signaling and pain. *Trends in Pharmacological Sciences*, **2001**, 22, 146-52	13.2	327
203	Induction of intestinal inflammation in mouse by activation of proteinase-activated receptor-2. *American Journal of Pathology*, **2002**, 161, 1903-15	5.8	311
202	Protease-activated receptor 2 sensitizes the transient receptor potential vanilloid 4 ion channel to cause mechanical hyperalgesia in mice. *Journal of Physiology*, **2007**, 578, 715-33	3.9	299
201	Protease-activated receptor 2 sensitizes TRPV1 by protein kinase Cepsilon- and A-dependent mechanisms in rats and mice. *Journal of Physiology*, **2006**, 575, 555-71	3.9	213
200	Characterization of the inflammatory response to proteinase-activated receptor-2 (PAR2)-activating peptides in the rat paw. *British Journal of Pharmacology*, **1999**, 127, 1083-90	8.6	183
199	Proteinases and proteinase-activated receptor 2: a possible role to promote visceral hyperalgesia in rats. *Gastroenterology*, **2002**, 122, 1035-47	13.3	179
198	Proteinase-activated receptor 2 is an anti-inflammatory signal for colonic lamina propria lymphocytes in a mouse model of colitis. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 13936-41	11.5	168
197	The Intestinal Microenvironment and Functional Gastrointestinal Disorders. *Gastroenterology*, **2016** ,	13.3	164
196	Food-grade bacteria expressing elafin protect against inflammation and restore colon homeostasis. *Science Translational Medicine*, **2012**, 4, 158ra144	17.5	150
195	A major role for proteolytic activity and proteinase-activated receptor-2 in the pathogenesis of infectious colitis. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 8363-8	11.5	144
194	Proteinase-activated receptor 2 (PAR2)-activating peptides: identification of a receptor distinct from PAR2 that regulates intestinal transport. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 7766-71	11.5	139

193	Transient receptor potential vanilloid-4 has a major role in visceral hypersensitivity symptoms. *Gastroenterology*, **2008**, 135, 937-46, 946.e1-2	13.3	135
192	Proteinase-activated receptor 2 modulates neuroinflammation in experimental autoimmune encephalomyelitis and multiple sclerosis. *Journal of Experimental Medicine*, **2006**, 203, 425-35	16.6	130
191	LC-MS/MS method for rapid and concomitant quantification of pro-inflammatory and pro-resolving polyunsaturated fatty acid metabolites. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2013**, 932, 123-33	3.2	128
190	Differential role of N-type calcium channel splice isoforms in pain. *Journal of Neuroscience*, **2007**, 27, 6363-73	6.6	128
189	Characterization of thrombin-induced leukocyte rolling and adherence: a potential proinflammatory role for proteinase-activated receptor-4. *Journal of Immunology*, **2002**, 169, 1467-73	5.3	126
188	Proteinase-activated receptor-2-induced colonic inflammation in mice: possible involvement of afferent neurons, nitric oxide, and paracellular permeability. *Journal of Immunology*, **2003**, 170, 4296-300	5.3	123
187	Engineering lactococci and lactobacilli for human health. *Current Opinion in Microbiology*, **2013**, 16, 278-83	7.9	117
186	Clinical relevance of proteinase activated receptors (pars) in the gut. *Gut*, **2005**, 54, 867-74	19.2	115
185	Proteinase-activated receptor 1 activation induces epithelial apoptosis and increases intestinal permeability. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 11104-9	11.5	114
184	Protease inhibition as new therapeutic strategy for GI diseases. *Gut*, **2016**, 65, 1215-24	19.2	113
183	Potentiation of TRPV4 signalling by histamine and serotonin: an important mechanism for visceral hypersensitivity. *Gut*, **2010**, 59, 481-8	19.2	110
182	Proteinase-activated receptors in the nervous system. *Nature Reviews Neuroscience*, **2003**, 4, 981-90	13.5	110
181	Proinflammatory role of proteinase-activated receptor-2 in humans and mice during cutaneous inflammation in vivo. *FASEB Journal*, **2003**, 17, 1871-85	0.9	109
180	TRPM8 activation attenuates inflammatory responses in mouse models of colitis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 7476-81	11.5	108
179	Agonists of proteinase-activated receptor 1 induce plasma extravasation by a neurogenic mechanism. *British Journal of Pharmacology*, **2001**, 133, 975-87	8.6	108
178	PAR2 activation alters colonic paracellular permeability in mice via IFN-gamma-dependent and -independent pathways. *Journal of Physiology*, **2004**, 558, 913-25	3.9	105
177	Review article: proteinase-activated receptors - novel signals for gastrointestinal pathophysiology. *Alimentary Pharmacology and Therapeutics*, **2000**, 14, 257-66	6.1	102
176	Protease-activated receptors as drug targets in inflammation and pain. *Pharmacology & Therapeutics*, **2009**, 123, 292-309	13.9	101

175	Up-regulation of proteinase-activated receptor 1 expression in astrocytes during HIV encephalitis. *Journal of Immunology*, **2003**, 170, 2638-46	5.3	101
174	Pro- and anti-inflammatory actions of thrombin: a distinct role for proteinase-activated receptor-1 (PAR1). *British Journal of Pharmacology*, **1999**, 126, 1262-8	8.6	98
173	Proteinase-activated receptors: novel signals for peripheral nerves. *Trends in Neurosciences*, **2003**, 26, 496-500	13.3	97
172	Transient receptor potential vanilloid 4 activated inflammatory signals by intestinal epithelial cells and colitis in mice. *Gastroenterology*, **2011**, 140, 275-85	13.3	95
171	Agonists of proteinase-activated receptor-2 stimulate upregulation of intercellular cell adhesion molecule-1 in primary human keratinocytes via activation of NF-kappa B. *Journal of Investigative Dermatology*, **2005**, 124, 38-45	4.3	95
170	Selective cyclo-oxygenase-2 inhibition with celecoxib elevates blood pressure and promotes leukocyte adherence. *British Journal of Pharmacology*, **2000**, 129, 1423-30	8.6	94
169	Protectin D1 and resolvin D5 are effectors of intestinal protection. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 3963-3968	11.5	93
168	Proteinase-activated receptor-4: evaluation of tethered ligand-derived peptides as probes for receptor function and as inflammatory agonists in vivo. *British Journal of Pharmacology*, **2004**, 143, 443-54	8.6	92
167	Protease-activated receptor-4: a novel mechanism of inflammatory pain modulation. *British Journal of Pharmacology*, **2007**, 150, 176-85	8.6	91
166	Protease-activated receptor-2 activation: a major role in the pathogenesis of Porphyromonas gingivalis infection. *American Journal of Pathology*, **2006**, 168, 1189-99	5.8	86
165	Quantification and Potential Functions of Endogenous Agonists of Transient Receptor Potential Channels in Patients With Irritable Bowel Syndrome. *Gastroenterology*, **2015**, 149, 433-44.e7	13.3	85
164	Proteinase-activated receptor-1 agonists attenuate nociception in response to noxious stimuli. *British Journal of Pharmacology*, **2002**, 135, 1101-6	8.6	85
163	Protease-activated receptor-4 (PAR 4): a role as inhibitor of visceral pain and hypersensitivity. *Neurogastroenterology and Motility*, **2009**, 21, 1189-e107	4	84
162	Neutrophil-mediated activation of epithelial protease-activated receptors-1 and -2 regulates barrier function and transepithelial migration. *Journal of Immunology*, **2008**, 181, 5702-10	5.3	84
161	Modifying the protease, antiprotease pattern by elafin overexpression protects mice from colitis. *Gastroenterology*, **2011**, 140, 1272-82	13.3	83
160	Kallikrein-mediated cell signalling: targeting proteinase-activated receptors (PARs). *Biological Chemistry*, **2006**, 387, 817-24	4.5	82
159	Proteinase-activated receptor-2 induction by neuroinflammation prevents neuronal death during HIV infection. *Journal of Immunology*, **2005**, 174, 7320-9	5.3	82
158	Trypsin IV or mesotrypsin and p23 cleave protease-activated receptors 1 and 2 to induce inflammation and hyperalgesia. *Journal of Biological Chemistry*, **2007**, 282, 26089-100	5.4	81

157	Functional characterization and expression analysis of the proteinase-activated receptor-2 in human cutaneous mast cells. *Journal of Investigative Dermatology*, **2006**, 126, 746-55	4.3	80
156	Serine protease inhibitors protect better than IL-10 and TGF-β anti-inflammatory cytokines against mouse colitis when delivered by recombinant lactococci. *Microbial Cell Factories*, **2015**, 14, 26	6.4	79
155	Enhanced anti-inflammatory effects of a nitric oxide-releasing derivative of mesalamine in rats. *Gastroenterology*, **1999**, 117, 557-66	13.3	79
154	Protease-activated receptor-2 activation: a major actor in intestinal inflammation. *Gut*, **2008**, 57, 1222-9	19.2	78
153	Colitis induced by proteinase-activated receptor-2 agonists is mediated by a neurogenic mechanism. *Canadian Journal of Physiology and Pharmacology*, **2003**, 81, 920-7	2.4	76
152	A role for transient receptor potential vanilloid 4 in tonicity-induced neurogenic inflammation. *British Journal of Pharmacology*, **2010**, 159, 1161-73	8.6	72
151	A vasculo-protective circuit centered on lipoxin A4 and aspirin-triggered 15-epi-lipoxin A4 operative in murine microcirculation. *Blood*, **2013**, 122, 608-17	2.2	70
150	Duodenal bacterial proteolytic activity determines sensitivity to dietary antigen through protease-activated receptor-2. *Nature Communications*, **2019**, 10, 1198	17.4	69
149	Endogenous regulation of visceral pain via production of opioids by colitogenic CD4(+) T cells in mice. *Gastroenterology*, **2014**, 146, 166-75	13.3	68
148	Modulation of visceral pain and inflammation by protease-activated receptors. *British Journal of Pharmacology*, **2004**, 141, 1264-74	8.6	68
147	Protective role for protease-activated receptor-2 against influenza virus pathogenesis via an IFN-gamma-dependent pathway. *Journal of Immunology*, **2009**, 182, 7795-802	5.3	67
146	Development, plasticity and modulation of visceral afferents. *Brain Research Reviews*, **2009**, 60, 171-86		67
145	Neutrophils and the kallikrein-kinin system in proteinase-activated receptor 4-mediated inflammation in rodents. *British Journal of Pharmacology*, **2005**, 146, 670-8	8.6	67
144	Epithelial expression and function of trypsin-3 in irritable bowel syndrome. *Gut*, **2017**, 66, 1767-1778	19.2	66
143	TRPV1 sensitization mediates postinflammatory visceral pain following acute colitis. *American Journal of Physiology - Renal Physiology*, **2015**, 309, G87-99	5.1	66
142	Mesalazine (5-aminosalicylic acid) alters faecal bacterial profiles, but not mucosal proteolytic activity in diarrhoea-predominant irritable bowel syndrome. *Alimentary Pharmacology and Therapeutics*, **2011**, 34, 374-83	6.1	66
141	Neonatal immune challenge alters nociception in the adult rat. *Pain*, **2005**, 119, 133-141	8	65
140	A role for proteinase-activated receptor-1 in inflammatory bowel diseases. *Journal of Clinical Investigation*, **2004**, 114, 1444-56	15.9	65

139	Brain-gut interactions increase peripheral nociceptive signaling in mice with postinfectious irritable bowel syndrome. *Gastroenterology*, **2011**, 141, 2098-2108.e5	13.3	62
138	Mucosal targeting of therapeutic molecules using genetically modified lactic acid bacteria: an update. *FEMS Microbiology Letters*, **2013**, 344, 1-9	2.9	60
137	Triggering of proteinase-activated receptor 4 leads to joint pain and inflammation in mice. *Arthritis and Rheumatism*, **2009**, 60, 728-37		60
136	Proteinase-mediated cell signalling: targeting proteinase-activated receptors (PARs) by kallikreins and more. *Biological Chemistry*, **2006**, 387, 677-85	4.5	59
135	Apelin targets gut contraction to control glucose metabolism via the brain. *Gut*, **2017**, 66, 258-269	19.2	58
134	Multi-hit early life adversity affects gut microbiota, brain and behavior in a sex-dependent manner. *Brain, Behavior, and Immunity*, **2019**, 80, 179-192	16.6	54
133	Effects of chondroitin and glucosamine sulfate in a dietary bar formulation on inflammation, interleukin-1beta, matrix metalloprotease-9, and cartilage damage in arthritis. *Experimental Biology and Medicine*, **2005**, 230, 255-62	3.7	54
132	Endogenous opioid-mediated analgesia is dependent on adaptive T cell response in mice. *Journal of Immunology*, **2011**, 186, 5078-84	5.3	50
131	Proteinase-activated receptor-2 exerts protective and pathogenic cell type-specific effects in Alzheimer's disease. *Journal of Immunology*, **2007**, 179, 5493-503	5.3	49
130	Agonists of proteinase-activated receptor-2 modulate human neutrophil cytokine secretion, expression of cell adhesion molecules, and migration within 3-D collagen lattices. *Journal of Leukocyte Biology*, **2004**, 76, 388-98	6.5	47
129	Relevance of the cyclophosphamide-induced cystitis model for pharmacological studies targeting inflammation and pain of the bladder. *European Journal of Pharmacology*, **2013**, 707, 32-40	5.3	46
128	Postinflammatory visceral sensitivity and pain mechanisms. *Neurogastroenterology and Motility*, **2008**, 20 Suppl 1, 73-80	4	45
127	Protective effect of proteinase-activated receptor 2 activation on motility impairment and tissue damage induced by intestinal ischemia/reperfusion in rodents. *American Journal of Pathology*, **2006** , 169, 177-88	5.8	45
126	Evidence for the presence of functional protease activated receptor 4 (PAR4) in the rat colon. *Gut*, **2004**, 53, 229-34	19.2	45
125	Defects in 15-HETE Production and Control of Epithelial Permeability by Human Enteric Glial Cells From Patients With Crohn's Disease. *Gastroenterology*, **2016**, 150, 168-80	13.3	44
124	Proteinase-activated receptor-2 (PAR2) agonist causes periodontitis in rats. *Journal of Dental Research*, **2005**, 84, 154-9	8.1	43
123	Annexin 1 is overexpressed and specifically secreted during experimentally induced colitis in rats. *FEBS Journal*, **1995**, 232, 603-10		43
122	Presence of commensal house dust mite allergen in human gastrointestinal tract: a potential contributor to intestinal barrier dysfunction. *Gut*, **2016**, 65, 757-66	19.2	42

121	Proteinase-activated receptor-1 is an anti-inflammatory signal for colitis mediated by a type 2 immune response. *Inflammatory Bowel Diseases*, **2005**, 11, 792-8	4.5	42
120	Functional Proteomic Profiling of Secreted Serine Proteases in Health and Inflammatory Bowel Disease. *Scientific Reports*, **2018**, 8, 7834	4.9	42
119	Gastrointestinal biofilms in health and disease. *Nature Reviews Gastroenterology and Hepatology*, **2021**, 18, 314-334	24.2	42
118	Endogenous opioid-mediated antinociception in cholestatic mice is peripherally, not centrally, mediated. *Journal of Hepatology*, **2006**, 44, 1141-9	13.4	41
117	Novel role of the serine protease inhibitor elafin in gluten-related disorders. *American Journal of Gastroenterology*, **2014**, 109, 748-56	0.7	40
116	Intrathecal administration of proteinase-activated receptor-2 agonists produces hyperalgesia by exciting the cell bodies of primary sensory neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 324, 224-33	4.7	39
115	Proteinase-activated receptor-2 (PAR2): a tumor suppressor in skin carcinogenesis. *Journal of Investigative Dermatology*, **2007**, 127, 2245-52	4.3	39
114	Immune conditions associated with CD4+ T effector-induced opioid release and analgesia. *Pain*, **2012**, 153, 485-493	8	38
113	Thrombin receptor: An endogenous inhibitor of inflammatory pain, activating opioid pathways. *Pain* , **2009**, 146, 121-9	8	37
112	Focal adhesion kinase splice variants maintain primitive acute myeloid leukemia cells through altered Wnt signaling. *Stem Cells*, **2012**, 30, 1597-610	5.8	35
111	TRPV4: new therapeutic target for inflammatory bowel diseases. *Biochemical Pharmacology*, **2014**, 89, 157-61	6	34
110	Protease-activated receptor-2 (PAR(2)) in human periodontitis. *Journal of Dental Research*, **2010**, 89, 948-53	8.1	34
109	Derivatized 2-furoyl-LIGRLO-amide, a versatile and selective probe for proteinase-activated receptor 2: binding and visualization. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 326, 453-62	4.7	34
108	Neurons and Glia in the Enteric Nervous System and Epithelial Barrier Function. *Physiology*, **2018**, 33, 269-280	9.8	33
107	Annexin 1 is secreted in situ during ulcerative colitis in humans. *Inflammatory Bowel Diseases*, **2004**, 10, 584-92	4.5	33
106	Protease signaling to G protein-coupled receptors: implications for inflammation and pain. *Journal of Receptor and Signal Transduction Research*, **2008**, 28, 29-37	2.6	32
105	Role of protease-activated receptor-2 in inflammation, and its possible implications as a putative mediator of periodontitis. *Memorias Do Instituto Oswaldo Cruz*, **2005**, 100 Suppl 1, 177-80	2.6	32
104	Mechanisms behind the anti-inflammatory actions of insulin. *Critical Reviews in Immunology*, **2011**, 31, 307-40	1.8	32

103	Role of transient receptor potential vanilloid 4 in rat joint inflammation. *Arthritis and Rheumatism*, **2012**, 64, 1848-58		31
102	Endogenous analgesia mediated by CD4(+) T lymphocytes is dependent on enkephalins in mice. *Journal of Neuroinflammation*, **2016**, 13, 132	10.1	31
101	Characterization of Human Colon Organoids From Inflammatory Bowel Disease Patients. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 363	5.7	30
100	Mechanisms underlying the nociceptive and inflammatory responses induced by trypsin in the mouse paw. *European Journal of Pharmacology*, **2008**, 581, 204-15	5.3	30
99	Anti-inflammatory effects of nitric oxide-releasing hydrocortisone NCX 1022, in a murine model of contact dermatitis. *British Journal of Pharmacology*, **2004**, 143, 618-25	8.6	30
98	Revisiting the Hallmarks of Aging to Identify Markers of Biological Age. *journal of prevention of Alzheimerls disease, The*, **2020**, 7, 56-64	3.8	30
97	Activation of proteinase-activated receptor-1 inhibits neurally evoked chloride secretion in the mouse colon in vitro. *American Journal of Physiology - Renal Physiology*, **2005**, 288, G337-45	5.1	28
96	Modulation of protease activated receptor 1 influences human metapneumovirus disease severity in a mouse model. *PLoS ONE*, **2013**, 8, e72529	3.7	27
95	Formyl Peptide Receptor 2 Plays a Deleterious Role During Influenza A Virus Infections. *Journal of Infectious Diseases*, **2016**, 214, 237-47	7	27
94	Proteinase-activated receptors (PARs) in infection and inflammation in the gut. *International Journal of Biochemistry and Cell Biology*, **2008**, 40, 1219-27	5.6	26
93	Serine protease inhibition reduces post-ischemic granulocyte recruitment in mouse intestine. *American Journal of Pathology*, **2012**, 180, 141-52	5.8	25
92	Proteinase-activated receptor 2 activation modulates guinea-pig mesenteric lymphatic vessel pacemaker potential and contractile activity. *Journal of Physiology*, **2004**, 560, 563-76	3.9	25
91	Chronic stress mediators act synergistically on colonic nociceptive mouse dorsal root ganglia neurons to increase excitability. *Neurogastroenterology and Motility*, **2014**, 26, 334-45	4	24
90	Agonists of proteinase-activated receptor-2 affect transendothelial migration and apoptosis of human neutrophils. *Experimental Dermatology*, **2007**, 16, 799-806	4	24
89	Proteinase-activated receptors (PARs): crossroads between innate immunity and coagulation. *Current Opinion in Pharmacology*, **2006**, 6, 428-34	5.1	24
88	Inhibition of neurogenic inflammation by the Amazonian herbal medicine sangre de grado. *Journal of Investigative Dermatology*, **2001**, 117, 725-30	4.3	24
87	Using murine colitis models to analyze probiotics-host interactions. *FEMS Microbiology Reviews*, **2017**, 41, S49-S70	15.1	23
86	A spontaneous mutation of the rat Themis gene leads to impaired function of regulatory T cells linked to inflammatory bowel disease. *PLoS Genetics*, **2012**, 8, e1002461	6	23

85	Protease-activated receptor 1 is implicated in irritable bowel syndrome mediators-induced signaling to thoracic human sensory neurons. *Pain*, **2018**, 159, 1257-1267	8	22
84	Active thrombin produced by the intestinal epithelium controls mucosal biofilms. *Nature Communications*, **2019**, 10, 3224	17.4	22
83	The arachidonic acid metabolite 11-ProstaglandinF2-controls intestinal epithelial healing: deficiency in patients with Crohn's disease. *Scientific Reports*, **2016**, 6, 25203	4.9	21
82	Agonists of proteinase-activated receptor-2 enhance IFN-gamma-inducible effects on human monocytes: role in influenza A infection. *Journal of Immunology*, **2008**, 180, 6903-10	5.3	21
81	Protective effects of n-6 fatty acids-enriched diet on intestinal ischaemia/reperfusion injury involve lipoxin A4 and its receptor. *British Journal of Pharmacology*, **2015**, 172, 910-23	8.6	20
80	The INSPIRE Research Initiative: A Program for GeroScience and Healthy Aging Research Going from Animal Models to Humans and the Healthcare System. *Journal of Frailty & Aging,the*, **2021**, 10, 86-93	2.6	20
79	A novel orally administered trimebutine compound (GIC-1001) is anti-nociceptive and features peripheral opioid agonistic activity and Hydrogen Sulphide-releasing capacity in mice. *European Journal of Pain*, **2016**, 20, 723-30	3.7	20
78	5-oxoETE triggers nociception in constipation-predominant irritable bowel syndrome through MAS-related G protein-coupled receptor D. *Science Signaling*, **2018**, 11,	8.8	20
77	PAR2-dependent activation of GSK3regulates the survival of colon stem/progenitor cells. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G221-36	5.1	19
76	The enteric nervous system in inflammation and pain: the role of proteinase-activated receptors. *Canadian Journal of Gastroenterology & Hepatology*, **2003**, 17, 589-92		19
75	Activated protein C based therapeutic strategies in chronic diseases. *Thrombosis and Haemostasis*, **2014**, 111, 610-7	7	18
74	Sacral nerve stimulation enhances early intestinal mucosal repair following mucosal injury in a pig model. *Journal of Physiology*, **2016**, 594, 4309-23	3.9	17
73	Insulin modulates protease-activated receptor 2 signaling: implications for the innate immune response. *Journal of Immunology*, **2010**, 184, 2702-9	5.3	17
72	Mobilization of CD4+ T lymphocytes in inflamed mucosa reduces pain in colitis mice: toward a vaccinal strategy to alleviate inflammatory visceral pain. *Pain*, **2018**, 159, 331-341	8	17
71	Sex differences in the GSK3mediated survival of adherent leukemic progenitors. *Oncogene*, **2012**, 31, 694-705	9.2	16
70	Thrombin modifies growth, proliferation and apoptosis of human colon organoids: a protease-activated receptor 1- and protease-activated receptor 4-dependent mechanism. *British Journal of Pharmacology*, **2018**, 175, 3656-3668	8.6	15
69	Anti-inflammatory and anticancer effects of flavonol glycosides from Diplotaxis harra through GSK3regulation in intestinal cells. *Pharmaceutical Biology*, **2017**, 55, 124-131	3.8	15
68	Contribution of bone marrow-derived cells to the pro-inflammatory effects of protease-activated receptor-2 in colitis. *Inflammation Research*, **2010**, 59, 699-709	7.2	15

67	Activation of the endogenous nociceptin system by selective nociceptin receptor agonist SCH 221510 produces antitransit and antinociceptive effect: a novel strategy for treatment of diarrhea-predominant IBS. *Neurogastroenterology and Motility*, **2014**, 26, 1539-50	4	14
66	Polyunsaturated fatty acid metabolism signature in ischemia differs from reperfusion in mouse intestine. *PLoS ONE*, **2013**, 8, e75581	3.7	14
65	PAR(2) and temporomandibular joint inflammation in the rat. *Journal of Dental Research*, **2010**, 89, 1123-8	4.1	13
64	FAK alternative splice mRNA variants expression pattern in colorectal cancer. *International Journal of Cancer*, **2019**, 145, 494-502	7.5	13
63	Effect of tryptase inhibition on joint inflammation: a pharmacological and lentivirus-mediated gene transfer study. *Arthritis Research and Therapy*, **2017**, 19, 124	5.7	12
62	Citrobacter rodentium infection causes iNOS-independent intestinal epithelial dysfunction in mice. *Canadian Journal of Physiology and Pharmacology*, **2006**, 84, 1301-12	2.4	12
61	Analgesic properties of S100A9 C-terminal domain: a mechanism dependent on calcium channel inhibition. *Fundamental and Clinical Pharmacology*, **2009**, 23, 427-38	3.1	11
60	Involvement of interleukin-1, prostaglandins and mast cells in rectal distension-induced colonic water secretion in rats. *Journal of Physiology*, **1998**, 506 (Pt 1), 245-52	3.9	11
59	The inflammatory response. *Drug Development Research*, **2003**, 59, 375-381	5.1	11
58	Proteases and protease-activated receptors (PARs): novel signals for pain. *Current Topics in Medicinal Chemistry*, **2005**, 5, 569-76	3	11
57	Characterization and Validation of a Chronic Model of Cyclophosphamide-Induced Interstitial Cystitis/Bladder Pain Syndrome in Rats. *Frontiers in Pharmacology*, **2020**, 11, 1305	5.6	11
56	Aluminum Ingestion Promotes Colorectal Hypersensitivity in Rodents. *Cellular and Molecular Gastroenterology and Hepatology*, **2019**, 7, 185-196	7.9	11
55	F16357, a novel protease-activated receptor 1 antagonist, improves urodynamic parameters in a rat model of interstitial cystitis. *British Journal of Pharmacology*, **2016**, 173, 2224-36	8.6	10
54	Inhibition of sensory afferents activation and visceral pain by a brominated algal diterpene. *Neurogastroenterology and Motility*, **2012**, 24, e336-43	4	10
53	New neostigmine-based behavioral mouse model of abdominal pain. *Pharmacological Reports*, **2012** , 64, 1146-54	3.9	10
52	Role of proteinase-activated receptor-2 in anti-bacterial and immunomodulatory effects of interferon-□on human neutrophils and monocytes. *Immunology*, **2011**, 133, 329-39	7.8	10
51	Increased Mucosal Thrombin is Associated with Crohn's Disease and Causes Inflammatory Damage through Protease-activated Receptors Activation. *Journal of Crohnls and Colitis*, **2021**, 15, 787-799	1.5	10
50	Protease-activated receptor 2 contributes to Toxoplasma gondii-mediated gut inflammation. *Parasite Immunology*, **2017**, 39, e12489	2.2	9

49	Targeting fatty acid amide hydrolase and transient receptor potential vanilloid-1 simultaneously to modulate colonic motility and visceral sensation in the mouse: A pharmacological intervention with N-arachidonoyl-serotonin (AA-5-HT). *Neurogastroenterology and Motility*, **2017**, 29, e13148	4	9
48	Inflammatory neutrophils secrete annexin 1 during experimentally induced colitis in rats. *Digestive Diseases and Sciences*, **1999**, 44, 1448-57	4	9
47	Protease-activated receptors and inflammatory hyperalgesia. *Memorias Do Instituto Oswaldo Cruz*, **2005**, 100 Suppl 1, 173-6	2.6	9
46	The C-terminus of murine S100A9 protein inhibits hyperalgesia induced by the agonist peptide of protease-activated receptor 2 (PAR2). *British Journal of Pharmacology*, **2006**, 149, 374-84	8.6	8
45	Bladder telemetry: A new approach to evaluate micturition behavior under physiological and inflammatory conditions. *Neurourology and Urodynamics*, **2017**, 36, 308-315	2.3	7
44	Visceral afferents: what role in post-inflammatory pain?. *Autonomic Neuroscience: Basic and Clinical*, **2010**, 153, 79-83	2.4	7
43	Effects of 1-week sacral nerve stimulation on the rectal intestinal epithelial barrier and neuromuscular transmission in a porcine model. *Neurogastroenterology and Motility*, **2015**, 27, 40-50	4	6
42	Annexin 1 is Overexpressed and Specifically Secreted During Experimentally Induced Colitis in Rats. *FEBS Journal*, **1995**, 232, 603-610		6
41	The INSPIRE Bio-Resource Research Platform for Healthy Aging and Geroscience: Focus on the Human Translational Research Cohort (The INSPIRE-T Cohort). *Journal of Frailty & Aging,the*, **2021**, 10, 110-120	2.6	6
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