Nathalie Vergnolle

List of Publications by Year in Descending Order

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	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
209	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
208	Towards a Large-Scale Assessment of the Relationship between Biological and Chronological Aging: The INSPIRE Mouse Cohort. *Journal of Frailty & Aging,the*, **2021**, 10, 121-131	2.6	6
207	PAR-1 Antagonism to Promote Gut Mucosa Healing in Crohn Disease Patients: A New Avenue for CVT120165. *Inflammatory Bowel Diseases*, **2021**, 27, S33-S37	4.5	1
206	Pain Management in a Model of Interstitial Cystitis/Bladder Pain Syndrome by a Vaccinal Strategy.. *Frontiers in Pain Research*, **2021**, 2, 642706	1.4	3
205	Epithelial production of elastase is increased in inflammatory bowel disease and causes mucosal inflammation. *Mucosal Immunology*, **2021**, 14, 667-678	9.2	4
204	Increased Mucosal Thrombin is Associated with Crohn Disease and Causes Inflammatory Damage through Protease-activated Receptors Activation. *Journal of Crohnls and Colitis*, **2021**, 15, 787-799	1.5	10
203	GSK3a Master Kinase in the Regulation of Adult Stem Cell Behavior. *Cells*, **2021**, 10,	7.9	2
202	Gut mucosa alterations and loss of segmented filamentous bacteria in type 1 diabetes are associated with inflammation rather than hyperglycaemia. *Gut*, **2021**,	19.2	6
201	Colitis Linked to Endoplasmic Reticulum Stress Induces Trypsin Activity Affecting Epithelial Functions. *Journal of Crohnls and Colitis*, **2021**, 15, 1528-1541	1.5	3
200	Adipose-Derived Stem Cells in the Treatment of Perianal Fistulas in Crohn Disease: Rationale, Clinical Results and Perspectives. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
199	Gastrointestinal biofilms in health and disease. *Nature Reviews Gastroenterology and Hepatology*, **2021**, 18, 314-334	24.2	42
198	Characterization of Human Colon Organoids From Inflammatory Bowel Disease Patients. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 363	5.7	30
197	The Interplay Between Genetic Risk Factors and Proteolytic Dysregulation in the Pathophysiology of Inflammatory Bowel Disease. *Journal of Crohnls and Colitis*, **2020**, 14, 1149-1161	1.5	5
196	Mucosal Thrombin Alters Gut Microbiota Biofilms Structure And Promote Dispersion Of Bacteria With Aggressive Behavior. *FASEB Journal*, **2020**, 34, 1-1	0.9	
195	Therapeutic Intervention Targeting Mucosal Thrombin Or Protease-Activated-Receptor 1 Are Protective Against Colitis. *FASEB Journal*, **2020**, 34, 1-1	0.9	
194	A gardian of gut epithelial barrier from inflammation: the elastase inhibitor ELAFIN. *FASEB Journal*, **2020**, 34, 1-1	0.9	

193	Daphnanes diterpenes from the latex of Hura crepitans L. And activity against human colorectal cancer cells Caco-2. *Bioorganic Chemistry*, **2020**, 103, 104132	5.1	1
192	Culture of rabbit caecum organoids by reconstituting the intestinal stem cell niche in vitro with pharmacological inhibitors or L-WRN conditioned medium. *Stem Cell Research*, **2020**, 48, 101980	1.6	4
191	Colon-specific immune microenvironment regulates cancer progression versus rejection. *OncoImmunology*, **2020**, 9, 1790125	7.2	3
190	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
189	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
188	Sexual dimorphism in PAR-dependent regulation of primitive colonic cells. *Biology of Sex Differences*, **2019**, 10, 47	9.3	3
187	Duodenal bacterial proteolytic activity determines sensitivity to dietary antigen through protease-activated receptor-2. *Nature Communications*, **2019**, 10, 1198	17.4	69
186	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
185	Active thrombin produced by the intestinal epithelium controls mucosal biofilms. *Nature Communications*, **2019**, 10, 3224	17.4	22
184	Sustainable Positive Response to Sirolimus in Juvenile Polyposis of Infancy. *Journal of Pediatric Gastroenterology and Nutrition*, **2019**, 68, e38-e40	2.8	4
183	Aluminum Ingestion Promotes Colorectal Hypersensitivity in Rodents. *Cellular and Molecular Gastroenterology and Hepatology*, **2019**, 7, 185-196	7.9	11
182	FAK alternative splice mRNA variants expression pattern in colorectal cancer. *International Journal of Cancer*, **2019**, 145, 494-502	7.5	13
181	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
180	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
179	Neurons and Glia in the Enteric Nervous System and Epithelial Barrier Function. *Physiology*, **2018**, 33, 269-280	9.8	33
178	Pharmacological characterization of Protease-Activated Receptor signaling in the human enteric nervous system. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO3-5-26	0	
177	Protease-Activated Receptor 1 is implicated in irritable bowel syndrome mediators-induced signalling to human sensory neurons. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, OR3-3	0	
176	Thrombin modifies growth, proliferation and apoptosis of human colon organoids: a PAR1- and PAR4-dependent mechanism. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, OR21-2	0	

175	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
174	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
173	Functional Proteomic Profiling of Secreted Serine Proteases in Health and Inflammatory Bowel Disease. *Scientific Reports*, **2018**, 8, 7834	4.9	42
172	Apelin targets gut contraction to control glucose metabolism via the brain. *Gut*, **2017**, 66, 258-269	19.2	58
171	Epithelial expression and function of trypsin-3 in irritable bowel syndrome. *Gut*, **2017**, 66, 1767-1778	19.2	66
170	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
169	Using murine colitis models to analyze probiotics-host interactions. *FEMS Microbiology Reviews*, **2017**, 41, S49-S70	15.1	23
168	Protease-activated receptor 2 contributes to Toxoplasma gondii-mediated gut inflammation. *Parasite Immunology*, **2017**, 39, e12489	2.2	9
167	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
166	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
165	Anti-inflammatory and anticancer effects of flavonol glycosides from Diplotaxis harra through GSK3□regulation in intestinal cells. *Pharmaceutical Biology*, **2017**, 55, 124-131	3.8	15
164	Bladder telemetry: A new approach to evaluate micturition behavior under physiological and inflammatory conditions. *Neurourology and Urodynamics*, **2017**, 36, 308-315	2.3	7
163	Proteases **2017**, 727-766		
162	Gender specific behavioral alterations are associated with gut dysbiosis in mice exposed to multifactorial early-life adversity. *European Neuropsychopharmacology*, **2017**, 27, S682-S683	1.2	
161	P100 Intestinal epithelial cells under endoplasmic reticulum stress boosts serine proteolytic activity and modulates barrier function. *Journal of Crohnls and Colitis*, **2017**, 11, S127-S127	1.5	2
160	PAR2-dependent activation of GSK3□regulates the survival of colon stem/progenitor cells. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G221-36	5.1	19
159	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
158	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

157	Su1949 Protease-Activated Receptors Are Expressed and Can Be Activated in Human Sensory Neurons. *Gastroenterology*, **2016**, 150, S596-S597	13.3	2
156	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
155	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
154	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
153	Endogenous analgesia mediated by CD4(+) T lymphocytes is dependent on enkephalins in mice. *Journal of Neuroinflammation*, **2016**, 13, 132	10.1	31
152	Protease inhibition as new therapeutic strategy for GI diseases. *Gut*, **2016**, 65, 1215-24	19.2	113
151	Reply. *Gastroenterology*, **2016**, 150, 777-8	13.3	
150	The Intestinal Microenvironment and Functional Gastrointestinal Disorders. *Gastroenterology*, **2016**,	13.3	164
149	Formyl Peptide Receptor 2 Plays a Deleterious Role During Influenza A Virus Infections. *Journal of Infectious Diseases*, **2016**, 214, 237-47	7	27
148	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
147	613 Epithelial Mesotrypsin in IBS: Expression and Function. *Gastroenterology*, **2015**, 148, S-120	13.3	2
146	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
145	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
144	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
143	TRPV1 sensitization mediates postinflammatory visceral pain following acute colitis. *American Journal of Physiology - Renal Physiology*, **2015**, 309, G87-99	5.1	66
142	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
141	TRPV4: new therapeutic target for inflammatory bowel diseases. *Biochemical Pharmacology*, **2014**, 89, 157-61	6	34
140	Novel role of the serine protease inhibitor elafin in gluten-related disorders. *American Journal of Gastroenterology*, **2014**, 109, 748-56	0.7	40

139	Endogenous regulation of visceral pain via production of opioids by colitogenic CD4(+) T cells in mice. *Gastroenterology*, **2014**, 146, 166-75	13.3	68
138	Activated protein C based therapeutic strategies in chronic diseases. *Thrombosis and Haemostasis*, **2014**, 111, 610-7	7	18
137	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
136	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
135	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
134	Engineering lactococci and lactobacilli for human health. *Current Opinion in Microbiology*, **2013**, 16, 278-83	7.9	117
133	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
132	Mucosal targeting of therapeutic molecules using genetically modified lactic acid bacteria: an update. *FEMS Microbiology Letters*, **2013**, 344, 1-9	2.9	60
131	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
130	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
129	Modulation of protease activated receptor 1 influences human metapneumovirus disease severity in a mouse model. *PLoS ONE*, **2013**, 8, e72529	3.7	27
128	Polyunsaturated fatty acid metabolism signature in ischemia differs from reperfusion in mouse intestine. *PLoS ONE*, **2013**, 8, e75581	3.7	14
127	Immune conditions associated with CD4+ T effector-induced opioid release and analgesia. *Pain*, **2012**, 153, 485-493	8	38
126	Inhibition of sensory afferents activation and visceral pain by a brominated algal diterpene. *Neurogastroenterology and Motility*, **2012**, 24, e336-43	4	10
125	Serine protease inhibition reduces post-ischemic granulocyte recruitment in mouse intestine. *American Journal of Pathology*, **2012**, 180, 141-52	5.8	25
124	Food-grade bacteria expressing elafin protect against inflammation and restore colon homeostasis. *Science Translational Medicine*, **2012**, 4, 158ra144	17.5	150
123	New neostigmine-based behavioral mouse model of abdominal pain. *Pharmacological Reports*, **2012** , 64, 1146-54	3.9	10
122	Focal adhesion kinase splice variants maintain primitive acute myeloid leukemia cells through altered Wnt signaling. *Stem Cells*, **2012**, 30, 1597-610	5.8	35

121	Role of transient receptor potential vanilloid 4 in rat joint inflammation. *Arthritis and Rheumatism*, **2012**, 64, 1848-58		31
120	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
119	Sex differences in the GSK3-mediated survival of adherent leukemic progenitors. *Oncogene*, **2012**, 31, 694-705	9.2	16
118	Transient receptor potential vanilloid 4 activated inflammatory signals by intestinal epithelial cells and colitis in mice. *Gastroenterology*, **2011**, 140, 275-85	13.3	95
117	Modifying the protease, antiprotease pattern by elafin overexpression protects mice from colitis. *Gastroenterology*, **2011**, 140, 1272-82	13.3	83
116	Brain-gut interactions increase peripheral nociceptive signaling in mice with postinfectious irritable bowel syndrome. *Gastroenterology*, **2011**, 141, 2098-2108.e5	13.3	62
115	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
114	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
113	Proteases/Antiproteases in Inflammatory Bowel Diseases **2011**, 173-215		2
112	Endogenous opioid-mediated analgesia is dependent on adaptive T cell response in mice. *Journal of Immunology*, **2011**, 186, 5078-84	5.3	50
111	Mechanisms behind the anti-inflammatory actions of insulin. *Critical Reviews in Immunology*, **2011**, 31, 307-40	1.8	32
110	A role for transient receptor potential vanilloid 4 in tonicity-induced neurogenic inflammation. *British Journal of Pharmacology*, **2010**, 159, 1161-73	8.6	72
109	Protease-activated receptor-2 (PAR(2)) in human periodontitis. *Journal of Dental Research*, **2010**, 89, 948-53	8.1	34
108	Insulin modulates protease-activated receptor 2 signaling: implications for the innate immune response. *Journal of Immunology*, **2010**, 184, 2702-9	5.3	17
107	Potentiation of TRPV4 signalling by histamine and serotonin: an important mechanism for visceral hypersensitivity. *Gut*, **2010**, 59, 481-8	19.2	110
106	PAR(2) and temporomandibular joint inflammation in the rat. *Journal of Dental Research*, **2010**, 89, 1123-8	4.1	13
105	Visceral afferents: what role in post-inflammatory pain?. *Autonomic Neuroscience: Basic and Clinical*, **2010**, 153, 79-83	2.4	7
104	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

103	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
102	Thrombin receptor: An endogenous inhibitor of inflammatory pain, activating opioid pathways. *Pain* , **2009**, 146, 121-9	8	37
101	Protease-activated receptors as drug targets in inflammation and pain. *Pharmacology & Therapeutics*, **2009**, 123, 292-309	13.9	101
100	Development, plasticity and modulation of visceral afferents. *Brain Research Reviews*, **2009**, 60, 171-86		67
99	Triggering of proteinase-activated receptor 4 leads to joint pain and inflammation in mice. *Arthritis and Rheumatism*, **2009**, 60, 728-37		60
98	Protease-activated receptor-4 (PAR 4): a role as inhibitor of visceral pain and hypersensitivity. *Neurogastroenterology and Motility*, **2009**, 21, 1189-e107	4	84
97	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
96	Postinflammatory visceral sensitivity and pain mechanisms. *Neurogastroenterology and Motility*, **2008**, 20 Suppl 1, 73-80	4	45
95	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
94	Transient receptor potential vanilloid-4 has a major role in visceral hypersensitivity symptoms. *Gastroenterology*, **2008**, 135, 937-46, 946.e1-2	13.3	135
93	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
92	Protease-activated receptor-2 activation: a major actor in intestinal inflammation. *Gut*, **2008**, 57, 1222-9	19.2	78
91	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
90	T1456 Histamine and Serotonin Sensitizes the Transient Receptor Potential Vanilloid Receptor 4 to Induce Visceral Allodynia and Hyperalgesia. *Gastroenterology*, **2008**, 134, A-559-A-560	13.3	3
89	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
88	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
87	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
86	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

85	Modulation of neuroimmune axis and treatment of gastrointestinal diseases. *Drug Discovery Today: Therapeutic Strategies*, **2007**, 4, 177-182		
84	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
83	Proteinase-activated receptor-2 (PAR2): a tumor suppressor in skin carcinogenesis. *Journal of Investigative Dermatology*, **2007**, 127, 2245-52	4.3	39
82	Protease-activated receptor-4: a novel mechanism of inflammatory pain modulation. *British Journal of Pharmacology*, **2007**, 150, 176-85	8.6	91
81	Agonists of proteinase-activated receptor-2 affect transendothelial migration and apoptosis of human neutrophils. *Experimental Dermatology*, **2007**, 16, 799-806	4	24
80	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
79	Differential role of N-type calcium channel splice isoforms in pain. *Journal of Neuroscience*, **2007**, 27, 6363-73	6.6	128
78	Combined challenge of mice with Citrobacter rodentium and ionizing radiation promotes bacterial translocation. *International Journal of Radiation Biology*, **2007**, 83, 375-82	2.9	2
77	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
76	Kallikrein-mediated activation of PARs in inflammation and nociception. *Inflammation Research*, **2007**, 56, S499-S502	7.2	5
75	Role for protease activity in visceral pain in irritable bowel syndrome. *Journal of Clinical Investigation*, **2007**, 117, 636-47	15.9	408
74	Proteinase-activated receptor 2 modulates neuroinflammation in experimental autoimmune encephalomyelitis and multiple sclerosis. *Journal of Experimental Medicine*, **2006**, 203, 425-35	16.6	130
73	Proteinase-mediated cell signalling: targeting proteinase-activated receptors (PARs) by kallikreins and more. *Biological Chemistry*, **2006**, 387, 677-85	4.5	59
72	Kallikrein-mediated cell signalling: targeting proteinase-activated receptors (PARs). *Biological Chemistry*, **2006**, 387, 817-24	4.5	82
71	Citrobacter rodentium infection causes iNOS-independent intestinal epithelial dysfunction in mice. *Canadian Journal of Physiology and Pharmacology*, **2006**, 84, 1301-12	2.4	12
70	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
69	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
68	Proteinase-activated receptors (PARs): crossroads between innate immunity and coagulation. *Current Opinion in Pharmacology*, **2006**, 6, 428-34	5.1	24

67	Endogenous opioid-mediated antinociception in cholestatic mice is peripherally, not centrally, mediated. *Journal of Hepatology*, **2006**, 44, 1141-9	13.4	41
66	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
65	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
64	Neuroimmune signalling in the gut - mediators linked to disorders?. *Neurogastroenterology and Motility*, **2006**, 18, 497-8	4	1
63	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
62	A role for proteinase-activated receptor-1 in inflammatory bowel diseases. *Journal of Clinical Investigation*, **2006**, 116, 2056	15.9	4
61	Neutrophil-epithelial contact disrupts epithelial barrier function and is dependent on protease-activated receptors (PAR)-1 and -4. *FASEB Journal*, **2006**, 20, A199	0.9	
60	Proteinase-activated receptor-2 (PAR2) agonist causes periodontitis in rats. *Journal of Dental Research*, **2005**, 84, 154-9	8.1	43
59	Neonatal immune challenge alters nociception in the adult rat. *Pain*, **2005**, 119, 133-141	8	65
58	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
57	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
56	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
55	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
54	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
53	Clinical relevance of proteinase activated receptors (pars) in the gut. *Gut*, **2005**, 54, 867-74	19.2	115
52	Proteases and protease-activated receptors (PARs): novel signals for pain. *Current Topics in Medicinal Chemistry*, **2005**, 5, 569-76	3	11
51	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
50	Proteinase-activated receptors: transducers of proteinase-mediated signaling in inflammation and immune response. *Endocrine Reviews*, **2005**, 26, 1-43	27.2	419

49	Proteinase-activated receptor-2 induction by neuroinflammation prevents neuronal death during HIV infection. *Journal of Immunology*, **2005**, 174, 7320-9	5.3	82
48	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
47	Protease-activated receptors and inflammatory hyperalgesia. *Memorias Do Instituto Oswaldo Cruz*, **2005**, 100 Suppl 1, 173-6	2.6	9
46	Evidence for the presence of functional protease activated receptor 4 (PAR4) in the rat colon. *Gut*, **2004**, 53, 229-34	19.2	45
45	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
44	Modulation of visceral pain and inflammation by protease-activated receptors. *British Journal of Pharmacology*, **2004**, 141, 1264-74	8.6	68
43	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
42	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
41	Annexin 1 is secreted in situ during ulcerative colitis in humans. *Inflammatory Bowel Diseases*, **2004**, 10, 584-92	4.5	33
40	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
39	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
38	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
37	A role for proteinase-activated receptor-1 in inflammatory bowel diseases. *Journal of Clinical Investigation*, **2004**, 114, 1444-56	15.9	65
36	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
35	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
34	Up-regulation of proteinase-activated receptor 1 expression in astrocytes during HIV encephalitis. *Journal of Immunology*, **2003**, 170, 2638-46	5.3	101
33	The enteric nervous system in inflammation and pain: the role of proteinase-activated receptors. *Canadian Journal of Gastroenterology & Hepatology*, **2003**, 17, 589-92		19
32	The inflammatory response. *Drug Development Research*, **2003**, 59, 375-381	5.1	11

31	Proteinase-activated receptors and nociceptive pathways. *Drug Development Research*, **2003**, 59, 382-385	5.1	3
30	Proteinase-activated receptors in the nervous system. *Nature Reviews Neuroscience*, **2003**, 4, 981-90	13.5	110
29	Proteinase-activated receptor-1 agonists attenuate visceral pain. *Gastroenterology*, **2003**, 124, A252	13.3	3
28	Activation of protease-activated receptor-1 (PAR-1) inhibits neurally evoked chloride secretion in the mouse colon. *Gastroenterology*, **2003**, 124, A23	13.3	2
27	Proteinase-activated receptors: novel signals for peripheral nerves. *Trends in Neurosciences*, **2003**, 26, 496-500	13.3	97
26	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
25	Proteinase-Activated Receptor-4 is implicated in the pathogenesis of Dextran Sodium Sulfate colitis. *Gastroenterology*, **2003**, 124, A487	13.3	5
24	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
23	Proteinase-activated receptor-1 agonists attenuate nociception in response to noxious stimuli. *British Journal of Pharmacology*, **2002**, 135, 1101-6	8.6	85
22	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
21	Induction of intestinal inflammation in mouse by activation of proteinase-activated receptor-2. *American Journal of Pathology*, **2002**, 161, 1903-15	5.8	311
20	Proteinases and proteinase-activated receptor 2: a possible role to promote visceral hyperalgesia in rats. *Gastroenterology*, **2002**, 122, 1035-47	13.3	179
19	Inhibition of neurogenic inflammation by the Amazonian herbal medicine sangre de grado. *Journal of Investigative Dermatology*, **2001**, 117, 725-30	4.3	24
18	Proteinase-activated receptor-2 and hyperalgesia: A novel pain pathway. *Nature Medicine*, **2001**, 7, 821-6	50.5	397
17	Agonists of proteinase-activated receptor 1 induce plasma extravasation by a neurogenic mechanism. *British Journal of Pharmacology*, **2001**, 133, 975-87	8.6	108
16	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
15	Protease-activated receptors in inflammation, neuronal signaling and pain. *Trends in Pharmacological Sciences*, **2001**, 22, 146-52	13.2	327
14	Review article: proteinase-activated receptors - novel signals for gastrointestinal pathophysiology. *Alimentary Pharmacology and Therapeutics*, **2000**, 14, 257-66	6.1	102

13	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
12	Agonists of proteinase-activated receptor 2 induce inflammation by a neurogenic mechanism. *Nature Medicine*, **2000**, 6, 151-8	50.5	788
11	NSAID-induced gastric damage in rats: requirement for inhibition of both cyclooxygenase 1 and 2. *Gastroenterology*, **2000**, 119, 706-14	13.3	555
10	Inhibition of both cyclooxygenase (COX)-1 and COX-2 is required for NSAID-induced erosion formation. *Gastroenterology*, **2000**, 118, A194	13.3	3
9	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
8	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
7	Inflammatory neutrophils secrete annexin 1 during experimentally induced colitis in rats. *Digestive Diseases and Sciences*, **1999**, 44, 1448-57	4	9
6	Enhanced anti-inflammatory effects of a nitric oxide-releasing derivative of mesalamine in rats. *Gastroenterology*, **1999**, 117, 557-66	13.3	79
5	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
4	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
3	Annexin 1 is Overexpressed and Specifically Secreted During Experimentally Induced Colitis in Rats. *FEBS Journal*, **1995**, 232, 603-610		6
2	Annexin 1 is overexpressed and specifically secreted during experimentally induced colitis in rats. *FEBS Journal*, **1995**, 232, 603-10		43
1	Colon-specific immune microenvironment regulates cancer progression versus rejection		2