Peter McIntyre

List of Publications by Year
in descending order

82 papers	9,093 citations	87723 38 h-index	69108 77 g-index
83 all docs	83 docs citations	83 times ranked	7845 citing authors

#	Article	IF	Citations
1	ANKTM1, a TRP-like Channel Expressed in Nociceptive Neurons, Is Activated by Cold Temperatures. Cell, 2003, 112, 819-829.	13.5	2,180
2	A TRP Channel that Senses Cold Stimuli and Menthol. Cell, 2002, 108, 705-715.	13.5	1,972
3	A Heat-Sensitive TRP Channel Expressed in Keratinocytes. Science, 2002, 296, 2046-2049.	6.0	828
4	The VR1 Antagonist Capsazepine Reverses Mechanical Hyperalgesia in Models of Inflammatory and Neuropathic Pain. Journal of Pharmacology and Experimental Therapeutics, 2003, 304, 56-62.	1.3	321
5	Peripheral nerve injury induces cannabinoid receptor 2 protein expression in rat sensory neurons. Neuroscience, 2005, 135, 235-245.	1.1	227
6	The Bile Acid Receptor TGR5 Activates the TRPA1 Channel to Induce Itch in Mice. Gastroenterology, 2014, 147, 1417-1428.	0.6	188
7	Capsaicin sensitivity is associated with the expression of the vanilloid (capsaicin) receptor (VR1) mRNA in adult rat sensory ganglia. Neuroscience Letters, 1998, 250, 177-180.	1.0	180
8	Pharmacological differences between the human and rat vanilloid receptor 1 (VR1). British Journal of Pharmacology, 2001, 132, 1084-1094.	2.7	176
9	Cathepsin S Causes Inflammatory Pain via Biased Agonism of PAR2 and TRPV4. Journal of Biological Chemistry, 2014, 289, 27215-27234.	1.6	153
10	Protease-activated Receptor 2 (PAR2) Protein and Transient Receptor Potential Vanilloid 4 (TRPV4) Protein Coupling Is Required for Sustained Inflammatory Signaling*. Journal of Biological Chemistry, 2013, 288, 5790-5802.	1.6	140
11	Molecular Sensors of Blood Flow in Endothelial Cells. Trends in Molecular Medicine, 2017, 23, 850-868.	3.5	135
12	Mutations in TRPV4 cause an inherited arthropathy of hands and feet. Nature Genetics, 2011, 43, 1142-1146.	9.4	134
13	The G Proteinâ€“Coupled Receptorâ€“Transient Receptor Potential Channel Axis: Molecular Insights for Targeting Disorders of Sensation and Inflammation. Pharmacological Reviews, 2015, 67, 36-73.	7.1	131
14	Cloning and functional characterization of the guinea pig vanilloid receptor 1. Neuropharmacology, 2002, 43, 450-456.	2.0	97
15	Bradyzide, a potent non-peptide B2 bradykinin receptor antagonist with long-lasting oral activity in animal models of inflammatory hyperalgesia. British Journal of Pharmacology, 2000, 129, 77-86.	2.7	96
16	Cysteine-rich secretory protein 4 is an inhibitor of transient receptor potential M8 with a role in establishing sperm function. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7034-7039.	3.3	96
17	Identification of Species-specific Determinants of the Action of the Antagonist Capsazepine and the Agonist PPAHV on TRPV1. Journal of Biological Chemistry, 2004, 279, 17165-17172.	1.6	89
18	Modulation of the TRPV4 ion channel as a therapeutic target for disease. , 2017, 177, 9-22.		85

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19	The Wellcome Trust Lecture: Genes for antigens ofPlasmodium falciparum. Parasitology, 1986, 92, S83-S108.	0.7	83
20	Glial cell line derived neurotrophic factor (GDNF) regulates VR1 and substance P in cultured sensory neurons. NeuroReport, 1999, 10, 2107-2111.	0.6	74
21	Modulation of TRPV4 by diverse mechanisms. International Journal of Biochemistry and Cell Biology, 2016, 78, 217-228.	1.2	74
22	Shear stress mediates exocytosis of functional TRPV4 channels in endothelial cells. Cellular and Molecular Life Sciences, 2016, 73, 649-666.	2.4	70
23	Cloned murine bradykinin receptor exhibits a mixed B1 and B2 pharmacological selectivity. Molecular Pharmacology, 1993, 44, 346-55.	1.0	66
24	Post-transcriptional regulation of bradykinin B1 and B2 receptor gene expression in human lung fibroblasts by tumor necrosis factor-alpha: modulation by dexamethasone. Molecular Pharmacology, 2000, 57, 1123-31.	1.0	65
25	Identification and Biological Characterization of 6-Aryl-7-isopropylquinazolinones as Novel TRPV1 Antagonists that Are Effective in Models of Chronic Pain. Journal of Medicinal Chemistry, 2006, 49, 471-474.	2.9	61
26	The TRPV4 Agonist GSK1016790A Regulates the Membrane Expression of TRPV4 Channels. Frontiers in Pharmacology, 2019, 10, 6.	1.6	59
27	Mutagenesis of the regulatory domain of rat protein kinase C-eta. A molecular basis for restricted histone kinase activity.. Journal of Biological Chemistry, 1993, 268, 19498-19504.	1.6	58
28	The Cold and Menthol Receptor TRPM8 Contains a Functionally Important Double Cysteine Motif*. Journal of Biological Chemistry, 2006, 281, 37353-37360.	1.6	53
29	Shear Stress Regulates TRPV4 Channel Clustering and Translocation from Adherens Junctions to the Basal Membrane. Scientific Reports, 2017, 7, 15942.	1.6	52
30	<scp>GPCR</scp>â€mediated <scp>EGF</scp> receptor transactivation regulates <scp>TRPV</scp>4 action in the vasculature. British Journal of Pharmacology, 2015, 172, 2493-2506.	2.7	49
31	Painful toxins acting at TRPV1. Toxicon, 2008, 51, 163-173.	0.8	47
32	N-Glycosylation Determines Ionic Permeability and Desensitization of the TRPV1 Capsaicin Receptor. Journal of Biological Chemistry, 2012, 287, 21765-21772.	1.6	44
33	The tyrosine kinase inhibitor bafetinib inhibits <scp>PAR</scp>2â€induced activation of <scp>TRPV</scp>4 channels in vitro and pain in vivo. British Journal of Pharmacology, 2014, 171, 3881-3894.	2.7	44
34	Molecular characterisation of cloned bradykinin B1 receptors from rat and human. European Journal of Pharmacology, 1999, 374, 423-433.	1.7	43
35	Sustained Elevated Levels of VCAM-1 in Cultured Fibroblast-like Synoviocytes Can Be Achieved by TNF-Î± in Combination with Either IL-4 or IL-13 through Increased mRNA Stability. American Journal of Pathology, 1999, 154, 1149-1158.	1.9	41
36	Sites of action of ghrelin receptor ligands in cardiovascular control. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H1011-H1021.	1.5	41

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37	Immunology on chip: Promises and opportunities. Biotechnology Advances, 2014, 32, 333-346.	6.0	40
38	Biochemical properties of rat protein kinase C-Î· expressed in COS cells. FEBS Letters, 1992, 312, 195-199.	1.3	39
39	7-tert-Butyl-6-(4-Chloro-Phenyl)-2-Thioxo-2,3-Dihydro-1H-Pyrido[2,3-d]Pyrimidin-4-One, a Classic Polymodal Inhibitor of Transient Receptor Potential Vanilloid Type 1 with a Reduced Liability for Hyperthermia, Is Analgesic and Ameliorates Visceral Hypersensitivity. Journal of Pharmacology and Experimental Therapeutics, 2012, 342, 389-398.	1.3	38
40	Antihyperalgesic activity of a novel nonpeptide bradykinin B1 receptor antagonist in transgenic mice expressing the human B1 receptor. British Journal of Pharmacology, 2005, 144, 889-899.	2.7	36
41	Examination of the role of transient receptor potential vanilloid type 4 in endothelial responses to shear forces. Biomicrofluidics, 2014, 8, 044117.	1.2	36
42	Complex CD44 splicing combinations in synovial fibroblasts from arthritic joints. European Journal of Immunology, 1997, 27, 1680-1684.	1.6	35
43	Putative glycophorin-binding protein is secreted from schizonts of Plasmodium falciparum. Molecular and Biochemical Parasitology, 1987, 23, 91-102.	0.5	34
44	Regulation of bradykinin receptor gene expression in human lung fibroblasts. European Journal of Pharmacology, 2000, 397, 237-246.	1.7	33
45	Influence of epitopes CD44v3 and CD44v6 in the invasive behavior of fibroblast-like synoviocytes derived from rheumatoid arthritic joints. Arthritis and Rheumatism, 2002, 46, 2059-2064.	6.7	33
46	A dominant TRPV4 variant underlies osteochondrodysplasia in Scottish fold cats. Osteoarthritis and Cartilage, 2016, 24, 1441-1450.	0.6	32
47	The Primary Structure of the Imported Mitochondrial Protein, Ornithine Transcarbamylase From Rat Liver: mRNA Levels During Ontogeny. DNA and Cell Biology, 1985, 4, 147-156.	5.1	29
48	Shear stress sensitizes TRPV4 in endothelium-dependent vasodilatation. Pharmacological Research, 2018, 133, 152-159.	3.1	29
49	Ligand determinants of fatty acid activation of the pronociceptive ion channel TRPA1. PeerJ, 2014, 2, e248.	0.9	29
50	Potent and Orally Bioavailable Non-Peptide Antagonists at the Human Bradykinin B1Receptor Based on a 2-Alkylamino-5-sulfamoylbenzamide Core. Journal of Medicinal Chemistry, 2004, 47, 4642-4644.	2.9	28
51	B₁ and B₂ Bradykinin Receptors Encoded by Distinct mRNAs. Journal of Neurochemistry, 1994, 62, 1247-1253.	2.1	28
52	The cDNA cloning and immunological characterization of hamster p53. Gene, 1992, 112, 247-250.	1.0	24
53	Induction of gene amplification by 5-aza-2â€²-deoxycytidine. Mutation Research - Reviews in Genetic Toxicology, 1992, 276, 189-197.	3.0	23
54	Altered substrate selectivity of PKC-Î· pseudosubstrate site mutants. FEBS Letters, 1993, 329, 129-133.	1.3	21

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55	Comparative, general pharmacology of SDZ NKT 343, a novel, selective NK1 receptor antagonist. British Journal of Pharmacology, 1998, 124, 83-92.	2.7	20
56	Nonpeptide Bradykinin B2Receptor Antagonists:Â Conversion of Rodent-Selective Bradyzide Analogues into Potent, Orally-Active Human Bradykinin B2Receptor Antagonists1. Journal of Medicinal Chemistry, 2002, 45, 2160-2172.	2.9	20
57	Characterisation of a mouse cerebral microvascular endothelial cell line (bEnd.3) after oxygen glucose deprivation and reoxygenation. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 777-786.	0.9	19
58	Analysing calcium signalling of cells under high shear flows using discontinuous dielectrophoresis. Scientific Reports, 2015, 5, 11973.	1.6	18
59	Expression of Functional Bradykinin Receptors in Xenopus Oocytes. Journal of Neurochemistry, 1992, 58, 243-249.	2.1	16
60	The CD44v7/8 Epitope as a Target to Restrain Proliferation of Fibroblast-Like Synoviocytes in Rheumatoid Arthritis. American Journal of Pathology, 2000, 157, 2037-2044.	1.9	16
61	Lateral trapezoid microfluidic platform for investigating mechanotransduction of cells to spatial shear stress gradients. Sensors and Actuators B: Chemical, 2017, 251, 963-975.	4.0	16
62	Sensitisation of TRPV4 by PAR2 is independent of intracellular calcium signalling and can be mediated by the biased agonist neutrophil elastase. Pflugers Archiv European Journal of Physiology, 2015, 467, 687-701.	1.3	14
63	CRISP3 expression drives prostate cancer invasion and progression. Endocrine-Related Cancer, 2020, 27, 415-430.	1.6	14
64	Expression and localization of P2 nucleotide receptor subtypes during development of the lateral ventricular choroid plexus of the rat. European Journal of Neuroscience, 2007, 25, 3319-3331.	1.2	13
65	Patents Associated with High-Cost Drugs in Australia. PLoS ONE, 2013, 8, e60812.	1.1	13
66	Isolation of an immunologically pure preparation of carbamylphosphate synthetase (ammonia) using chromatofocusing. FEBS Letters, 1981, 135, 65-69.	1.3	11
67	Selection of a cDNA clone which contains the complete coding sequence for the mature form of ornithine transcarbamylase from rat liver: expression of the cloned protein in Escherichia coli Molecular cloning of rat ornithine transcarbamylase. Molecular cloning of rat ornithine transcarbamylase. FEBS Journal, 1984, 143, 183-187.	0.2	11
68	The transient receptor potential vanilloid 4 (TRPV4) ion channel mediates protease activated receptor 1 (PAR1)-induced vascular hyperpermeability. Laboratory Investigation, 2020, 100, 1057-1067.	1.7	11
69	Eukaryotic expression, purification and structure/function analysis of native, recombinant CRISP3 from human and mouse. Scientific Reports, 2014, 4, 4217.	1.6	10
70	Cytokines increase B1 bradykinin receptor mRNA and protein levels in human lung fibroblasts. Biochemical Society Transactions, 1997, 25, 43S-43S.	1.6	9
71	Concurrent shear stress and chemical stimulation of mechano-sensitive cells by discontinuous dielectrophoresis. Biomicrofluidics, 2016, 10, 024117.	1.2	9
72	Serotonin-induced vascular permeability is mediated by transient receptor potential vanilloid 4 in the airways and upper gastrointestinal tract of mice. Laboratory Investigation, 2021, 101, 851-864.	1.7	8

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73	Marine Bile Natural Products as Agonists of the TGR5 Receptor. Journal of Natural Products, 2021, 84, 1507-1514.	1.5	8
74	A carbamylphosphate synthetase deficiency with no detectable immunoreactive enzyme and no translatablemRNA. Journal of Inherited Metabolic Disease, 1984, 7, 104-106.	1.7	6
75	Molecular studies on kinin receptors. Canadian Journal of Physiology and Pharmacology, 1995, 73, 780-786.	0.7	6
76	CHAPTER 4. Venoms-Based Drug Discovery: Bioassays, Electrophysiology, High-Throughput Screens andÂTarget Identification. RSC Drug Discovery Series, 2015, , 97-128.	0.2	2
77	A Functional Kinase Short Interfering Ribonucleic Acid Screen Using Protease-Activated Receptor 2-Dependent Opening of Transient Receptor Potential Vanilloid-4. Assay and Drug Development Technologies, 2018, 16, 15-26.	0.6	2
78	Changes in carbamyl phosphate synthetase and ornithine transcarbamylase levels during development and in response to changes in diet. Application of the electrophoretic transfer technique. Biochemistry International, 1983, 6, 365-73.	0.2	2
79	A microfluidic platform to study the mechano sensational properties of ion channels. Proceedings of SPIE, 2013, , .	0.8	0
80	Tu1963 The Bile Acid Receptor TGR5 Sensitizes the TRPA1 Channel to Induce Cholestatic Itch. Gastroenterology, 2014, 146, S-882.	0.6	0
81	TRPV1 Receptor, Species Variability. , 2013, , 4104-4109.		0
82	TRPV1 Receptor, Species Variability. , 2007, , 2570-2574.		0