

Peter McIntyre

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78
papers

7,680
citations

36
h-index

83
g-index

83
ext. papers

8,469
ext. citations

7.8
avg, IF

5.09
L-index

#	Paper	IF	Citations
78	ANKTM1, a TRP-like channel expressed in nociceptive neurons, is activated by cold temperatures. <i>Cell</i> , 2003 , 112, 819-29	56.2	1880
77	A TRP channel that senses cold stimuli and menthol. <i>Cell</i> , 2002 , 108, 705-15	56.2	1677
76	A heat-sensitive TRP channel expressed in keratinocytes. <i>Science</i> , 2002 , 296, 2046-9	33.3	697
75	The VR1 antagonist capsazepine reverses mechanical hyperalgesia in models of inflammatory and neuropathic pain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 304, 56-62	4.7	294
74	Peripheral nerve injury induces cannabinoid receptor 2 protein expression in rat sensory neurons. <i>Neuroscience</i> , 2005 , 135, 235-45	3.9	198
73	Pharmacological differences between the human and rat vanilloid receptor 1 (VR1). <i>British Journal of Pharmacology</i> , 2001 , 132, 1084-94	8.6	160
72	Capsaicin sensitivity is associated with the expression of the vanilloid (capsaicin) receptor (VR1) mRNA in adult rat sensory ganglia. <i>Neuroscience Letters</i> , 1998 , 250, 177-80	3.3	158
71	The bile acid receptor TGR5 activates the TRPA1 channel to induce itch in mice. <i>Gastroenterology</i> , 2014 , 147, 1417-28	13.3	157
70	Cathepsin S causes inflammatory pain via biased agonism of PAR2 and TRPV4. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27215-27234	5.4	116
69	Mutations in TRPV4 cause an inherited arthropathy of hands and feet. <i>Nature Genetics</i> , 2011 , 43, 1142-6	36.3	112
68	Protease-activated receptor 2 (PAR2) protein and transient receptor potential vanilloid 4 (TRPV4) protein coupling is required for sustained inflammatory signaling. <i>Journal of Biological Chemistry</i> , 2013 , 288, 5790-802	5.4	108
67	The G protein-coupled receptor-transient receptor potential channel axis: molecular insights for targeting disorders of sensation and inflammation. <i>Pharmacological Reviews</i> , 2015 , 67, 36-73	22.5	100
66	Molecular Sensors of Blood Flow in Endothelial Cells. <i>Trends in Molecular Medicine</i> , 2017 , 23, 850-868	11.5	93
65	Bradyzide, a potent non-peptide B(2) bradykinin receptor antagonist with long-lasting oral activity in animal models of inflammatory hyperalgesia. <i>British Journal of Pharmacology</i> , 2000 , 129, 77-86	8.6	88
64	Cloning and functional characterization of the guinea pig vanilloid receptor 1. <i>Neuropharmacology</i> , 2002 , 43, 450-6	5.5	86
63	Identification of species-specific determinants of the action of the antagonist capsazepine and the agonist PPAHV on TRPV1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 17165-72	5.4	81
62	Cysteine-rich secretory protein 4 is an inhibitor of transient receptor potential M8 with a role in establishing sperm function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7034-9	11.5	79

61	Glial cell line derived neurotrophic factor (GDNF) regulates VR1 and substance P in cultured sensory neurons. <i>NeuroReport</i> , 1999 , 10, 2107-11	1.7	73
60	The Wellcome Trust lecture. Genes for antigens of Plasmodium falciparum. <i>Parasitology</i> , 1986 , 92 Suppl, S83-108	2.7	66
59	Cloned murine bradykinin receptor exhibits a mixed B1 and B2 pharmacological selectivity. <i>Molecular Pharmacology</i> , 1993 , 44, 346-55	4.3	64
58	Post-transcriptional regulation of bradykinin B1 and B2 receptor gene expression in human lung fibroblasts by tumor necrosis factor-alpha: modulation by dexamethasone. <i>Molecular Pharmacology</i> , 2000 , 57, 1123-31	4.3	59
57	Identification and biological characterization of 6-aryl-7-isopropylquinazolinones as novel TRPV1 antagonists that are effective in models of chronic pain. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 471-4	8.3	56
56	Modulation of the TRPV4 ion channel as a therapeutic target for disease. <i>Pharmacology & Therapeutics</i> , 2017 , 177, 9-22	13.9	50
55	Shear stress mediates exocytosis of functional TRPV4 channels in endothelial cells. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 649-66	10.3	48
54	The cold and menthol receptor TRPM8 contains a functionally important double cysteine motif. <i>Journal of Biological Chemistry</i> , 2006 , 281, 37353-60	5.4	47
53	Mutagenesis of the regulatory domain of rat protein kinase C-eta. A molecular basis for restricted histone kinase activity.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 19498-19504	5.4	46
52	Modulation of TRPV4 by diverse mechanisms. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 78, 217-228	5.6	45
51	N-glycosylation determines ionic permeability and desensitization of the TRPV1 capsaicin receptor. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21765-72	5.4	41
50	Sustained elevated levels of VCAM-1 in cultured fibroblast-like synoviocytes can be achieved by TNF-alpha in combination with either IL-4 or IL-13 through increased mRNA stability. <i>American Journal of Pathology</i> , 1999 , 154, 1149-58	5.8	40
49	Painful toxins acting at TRPV1. <i>Toxicon</i> , 2008 , 51, 163-73	2.8	39
48	Immunology on chip: promises and opportunities. <i>Biotechnology Advances</i> , 2014 , 32, 333-46	17.8	38
47	Molecular characterisation of cloned bradykinin B1 receptors from rat and human. <i>European Journal of Pharmacology</i> , 1999 , 374, 423-33	5.3	38
46	The TRPV4 Agonist GSK1016790A Regulates the Membrane Expression of TRPV4 Channels. <i>Frontiers in Pharmacology</i> , 2019 , 10, 6	5.6	37
45	The tyrosine kinase inhibitor bafetinib inhibits PAR2-induced activation of TRPV4 channels in vitro and pain in vivo. <i>British Journal of Pharmacology</i> , 2014 , 171, 3881-94	8.6	36
44	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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012 , 342, 388-98	4.7	36

43	Biochemical properties of rat protein kinase C-eta expressed in COS cells. <i>FEBS Letters</i> , 1992 , 312, 195-93.8	3.8	36
42	Putative glycoprotein-binding protein is secreted from schizonts of <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 1987 , 23, 91-102	1.9	33
41	Sites of action of ghrelin receptor ligands in cardiovascular control. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 303, H1011-21	5.2	32
40	Antihyperalgesic activity of a novel nonpeptide bradykinin B1 receptor antagonist in transgenic mice expressing the human B1 receptor. <i>British Journal of Pharmacology</i> , 2005 , 144, 889-99	8.6	32
39	GPCR-mediated EGF receptor transactivation regulates TRPV4 action in the vasculature. <i>British Journal of Pharmacology</i> , 2015 , 172, 2493-506	8.6	31
38	Influence of epitopes CD44v3 and CD44v6 in the invasive behavior of fibroblast-like synoviocytes derived from rheumatoid arthritic joints. <i>Arthritis and Rheumatism</i> , 2002 , 46, 2059-64		31
37	Regulation of bradykinin receptor gene expression in human lung fibroblasts. <i>European Journal of Pharmacology</i> , 2000 , 397, 237-46	5.3	30
36	Examination of the role of transient receptor potential vanilloid type 4 in endothelial responses to shear forces. <i>Biomicrofluidics</i> , 2014 , 8, 044117	3.2	28
35	Potent and orally bioavailable non-peptide antagonists at the human bradykinin B(1) receptor based on a 2-alkylamino-5-sulfamoylbenzamide core. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 4642-4	8.3	28
34	The primary structure of the imported mitochondrial protein, ornithine transcarbamylase from rat liver: mRNA levels during ontogeny. <i>DNA and Cell Biology</i> , 1985 , 4, 147-56		28
33	Shear Stress Regulates TRPV4 Channel Clustering and Translocation from Adherens Junctions to the Basal Membrane. <i>Scientific Reports</i> , 2017 , 7, 15942	4.9	27
32	B1 and B2 bradykinin receptors encoded by distinct mRNAs. <i>Journal of Neurochemistry</i> , 1994 , 62, 1247-58		27
31	Complex CD44 splicing combinations in synovial fibroblasts from arthritic joints. <i>European Journal of Immunology</i> , 1997 , 27, 1680-4	6.1	26
30	The cDNA cloning and immunological characterization of hamster p53. <i>Gene</i> , 1992 , 112, 247-50	3.8	22
29	Induction of gene amplification by 5-aza-2'deoxyctidine. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1992 , 276, 189-97		22
28	Ligand determinants of fatty acid activation of the pronociceptive ion channel TRPA1. <i>PeerJ</i> , 2014 , 2, e248	3.1	20
27	A dominant TRPV4 variant underlies osteochondrodysplasia in Scottish fold cats. <i>Osteoarthritis and Cartilage</i> , 2016 , 24, 1441-50	6.2	20
26	Characterisation of a mouse cerebral microvascular endothelial cell line (bEnd.3) after oxygen glucose deprivation and reoxygenation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016 , 43, 777-86	3	19

25	Comparative, general pharmacology of SDZ NKT 343, a novel, selective NK1 receptor antagonist. <i>British Journal of Pharmacology</i> , 1998 , 124, 83-92	8.6	18
24	Nonpeptide bradykinin B2 receptor antagonists: conversion of rodent-selective bradyzide analogues into potent, orally-active human bradykinin B2 receptor antagonists. <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 2160-72	8.3	18
23	Altered substrate selectivity of PKC-eta pseudosubstrate site mutants. <i>FEBS Letters</i> , 1993 , 329, 129-33	3.8	18
22	Lateral trapezoid microfluidic platform for investigating mechanotransduction of cells to spatial shear stress gradients. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 963-975	8.5	16
21	The CD44v7/8 epitope as a target to restrain proliferation of fibroblast-like synoviocytes in rheumatoid arthritis. <i>American Journal of Pathology</i> , 2000 , 157, 2037-44	5.8	16
20	Shear stress sensitizes TRPV4 in endothelium-dependent vasodilatation. <i>Pharmacological Research</i> , 2018 , 133, 152-159	10.2	16
19	Analysing calcium signalling of cells under high shear flows using discontinuous dielectrophoresis. <i>Scientific Reports</i> , 2015 , 5, 11973	4.9	15
18	Expression of functional bradykinin receptors in <i>Xenopus</i> oocytes. <i>Journal of Neurochemistry</i> , 1992 , 58, 243-9	6	15
17	Sensitisation of TRPV4 by PAR2 is independent of intracellular calcium signalling and can be mediated by the biased agonist neutrophil elastase. <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 687-701	4.6	12
16	Expression and localization of P2 nucleotide receptor subtypes during development of the lateral ventricular choroid plexus of the rat. <i>European Journal of Neuroscience</i> , 2007 , 25, 3319-31	3.5	12
15	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 <i>Escherichia coli</i> . Molecular cloning of rat ornithine transcarbamylase. <i>FEBS Journal</i> , 1984 , 143, 183-7		11
14	Eukaryotic expression, purification and structure/function analysis of native, recombinant CRISP3 from human and mouse. <i>Scientific Reports</i> , 2014 , 4, 4217	4.9	10
13	Isolation of an immunologically pure preparation of carbamylphosphate synthetase (ammonia) using chromatofocusing. <i>FEBS Letters</i> , 1981 , 135, 65-9	3.8	10
12	Patents associated with high-cost drugs in Australia. <i>PLoS ONE</i> , 2013 , 8, e60812	3.7	9
11	Concurrent shear stress and chemical stimulation of mechano-sensitive cells by discontinuous dielectrophoresis. <i>Biomicrofluidics</i> , 2016 , 10, 024117	3.2	9
10	Cytokines increase B1 bradykinin receptor mRNA and protein levels in human lung fibroblasts. <i>Biochemical Society Transactions</i> , 1997 , 25, 43S	5.1	8
9	Molecular studies on kinin receptors. <i>Canadian Journal of Physiology and Pharmacology</i> , 1995 , 73, 780-6	2.4	6
8	CRISP3 expression drives prostate cancer invasion and progression. <i>Endocrine-Related Cancer</i> , 2020 , 27, 415-430	5.7	6

7	The transient receptor potential vanilloid 4 (TRPV4) ion channel mediates protease activated receptor 1 (PAR1)-induced vascular hyperpermeability. <i>Laboratory Investigation</i> , 2020 , 100, 1057-1067	5.9	5
6	A carbamylphosphate synthetase deficiency with no detectable immunoreactive enzyme and no translatable mRNA. <i>Journal of Inherited Metabolic Disease</i> , 1984 , 7, 104-6	5.4	4
5	Marine Bile Natural Products as Agonists of the TGR5 Receptor. <i>Journal of Natural Products</i> , 2021 , 84, 1507-1514	4.9	3
4	CHAPTER 4:Venoms-Based Drug Discovery: Bioassays, Electrophysiology, High-Throughput Screens and Target Identification. <i>RSC Drug Discovery Series</i> , 2015 , 97-128	0.6	2
3	Changes in carbamyl phosphate synthetase and ornithine transcarbamylase levels during development and in response to changes in diet. Application of the electrophoretic transfer technique. <i>Biochemistry International</i> , 1983 , 6, 365-73		2
2	Serotonin-induced vascular permeability is mediated by transient receptor potential vanilloid 4 in the airways and upper gastrointestinal tract of mice. <i>Laboratory Investigation</i> , 2021 , 101, 851-864	5.9	2
1	A Functional Kinase Short Interfering Ribonucleic Acid Screen Using Protease-Activated Receptor 2-Dependent Opening of Transient Receptor Potential Vanilloid-4. <i>Assay and Drug Development Technologies</i> , 2018 , 16, 15-26	2.1	2