

# Peter McIntyre

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2021</b> , 101, 851-864	5.9	2
77	Marine Bile Natural Products as Agonists of the TGR5 Receptor. <i>Journal of Natural Products</i> , <b>2021</b> , 84, 1507-1514	4.9	3
76	The transient receptor potential vanilloid 4 (TRPV4) ion channel mediates protease activated receptor 1 (PAR1)-induced vascular hyperpermeability. <i>Laboratory Investigation</i> , <b>2020</b> , 100, 1057-1067	5.9	5
75	CRISP3 expression drives prostate cancer invasion and progression. <i>Endocrine-Related Cancer</i> , <b>2020</b> , 27, 415-430	5.7	6
74	The TRPV4 Agonist GSK1016790A Regulates the Membrane Expression of TRPV4 Channels. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 6	5.6	37
73	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> , <b>2018</b> , 16, 15-26	2.1	2
72	Shear stress sensitizes TRPV4 in endothelium-dependent vasodilatation. <i>Pharmacological Research</i> , <b>2018</b> , 133, 152-159	10.2	16
71	Modulation of the TRPV4 ion channel as a therapeutic target for disease. <i>Pharmacology &amp; Therapeutics</i> , <b>2017</b> , 177, 9-22	13.9	50
70	Lateral trapezoid microfluidic platform for investigating mechanotransduction of cells to spatial shear stress gradients. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 251, 963-975	8.5	16
69	Molecular Sensors of Blood Flow in Endothelial Cells. <i>Trends in Molecular Medicine</i> , <b>2017</b> , 23, 850-868	11.5	93
68	Shear Stress Regulates TRPV4 Channel Clustering and Translocation from Adherens Junctions to the Basal Membrane. <i>Scientific Reports</i> , <b>2017</b> , 7, 15942	4.9	27
67	Shear stress mediates exocytosis of functional TRPV4 channels in endothelial cells. <i>Cellular and Molecular Life Sciences</i> , <b>2016</b> , 73, 649-66	10.3	48
66	Modulation of TRPV4 by diverse mechanisms. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2016</b> , 78, 217-228	5.6	45
65	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> , <b>2016</b> , 43, 777-86	3	19
64	Concurrent shear stress and chemical stimulation of mechano-sensitive cells by discontinuous dielectrophoresis. <i>Biomicrofluidics</i> , <b>2016</b> , 10, 024117	3.2	9
63	A dominant TRPV4 variant underlies osteochondrodysplasia in Scottish fold cats. <i>Osteoarthritis and Cartilage</i> , <b>2016</b> , 24, 1441-50	6.2	20
62	The G protein-coupled receptor-transient receptor potential channel axis: molecular insights for targeting disorders of sensation and inflammation. <i>Pharmacological Reviews</i> , <b>2015</b> , 67, 36-73	22.5	100

61	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> , <b>2015</b> , 467, 687-701	4.6	12
60	GPCR-mediated EGF receptor transactivation regulates TRPV4 action in the vasculature. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 2493-506	8.6	31
59	Analysing calcium signalling of cells under high shear flows using discontinuous dielectrophoresis. <i>Scientific Reports</i> , <b>2015</b> , 5, 11973	4.9	15
58	CHAPTER 4: Venoms-Based Drug Discovery: Bioassays, Electrophysiology, High-Throughput Screens and Target Identification. <i>RSC Drug Discovery Series</i> , <b>2015</b> , 97-128	0.6	2
57	Immunology on chip: promises and opportunities. <i>Biotechnology Advances</i> , <b>2014</b> , 32, 333-46	17.8	38
56	The tyrosine kinase inhibitor bafetinib inhibits PAR2-induced activation of TRPV4 channels in vitro and pain in vivo. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 3881-94	8.6	36
55	The bile acid receptor TGR5 activates the TRPA1 channel to induce itch in mice. <i>Gastroenterology</i> , <b>2014</b> , 147, 1417-28	13.3	157
54	Eukaryotic expression, purification and structure/function analysis of native, recombinant CRISP3 from human and mouse. <i>Scientific Reports</i> , <b>2014</b> , 4, 4217	4.9	10
53	Cathepsin S causes inflammatory pain via biased agonism of PAR2 and TRPV4. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 27215-27234	5.4	116
52	Examination of the role of transient receptor potential vanilloid type 4 in endothelial responses to shear forces. <i>Biomicrofluidics</i> , <b>2014</b> , 8, 044117	3.2	28
51	Ligand determinants of fatty acid activation of the pronociceptive ion channel TRPA1. <i>PeerJ</i> , <b>2014</b> , 2, e248	3.1	20
50	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> , <b>2013</b> , 288, 5790-802	5.4	108
49	Patents associated with high-cost drugs in Australia. <i>PLoS ONE</i> , <b>2013</b> , 8, e60812	3.7	9
48	Sites of action of ghrelin receptor ligands in cardiovascular control. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 303, H1011-21	5.2	32
47	N-glycosylation determines ionic permeability and desensitization of the TRPV1 capsaicin receptor. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 21765-72	5.4	41
46	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> , <b>2012</b> , 320, 800-809	4.7	36
45	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> , <b>2011</b> , 108, 7034-9	11.5	79
44	Mutations in TRPV4 cause an inherited arthropathy of hands and feet. <i>Nature Genetics</i> , <b>2011</b> , 43, 1142-6	36.3	112

43	Painful toxins acting at TRPV1. <i>Toxicon</i> , <b>2008</b> , 51, 163-73	2.8	39
42	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> , <b>2007</b> , 25, 3319-31	3.5	12
41	The cold and menthol receptor TRPM8 contains a functionally important double cysteine motif. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 37353-60	5.4	47
40	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> , <b>2006</b> , 49, 471-4	8.3	56
39	Peripheral nerve injury induces cannabinoid receptor 2 protein expression in rat sensory neurons. <i>Neuroscience</i> , <b>2005</b> , 135, 235-45	3.9	198
38	Antihyperalgesic activity of a novel nonpeptide bradykinin B1 receptor antagonist in transgenic mice expressing the human B1 receptor. <i>British Journal of Pharmacology</i> , <b>2005</b> , 144, 889-99	8.6	32
37	Identification of species-specific determinants of the action of the antagonist capsazepine and the agonist PPAHV on TRPV1. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 17165-72	5.4	81
36	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> , <b>2004</b> , 47, 4642-4	8.3	28
35	ANKTM1, a TRP-like channel expressed in nociceptive neurons, is activated by cold temperatures. <i>Cell</i> , <b>2003</b> , 112, 819-29	56.2	1880
34	The VR1 antagonist capsazepine reverses mechanical hyperalgesia in models of inflammatory and neuropathic pain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2003</b> , 304, 56-62	4.7	294
33	Influence of epitopes CD44v3 and CD44v6 in the invasive behavior of fibroblast-like synoviocytes derived from rheumatoid arthritic joints. <i>Arthritis and Rheumatism</i> , <b>2002</b> , 46, 2059-64		31
32	A heat-sensitive TRP channel expressed in keratinocytes. <i>Science</i> , <b>2002</b> , 296, 2046-9	33.3	697
31	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> , <b>2002</b> , 45, 2160-72	8.3	18
30	A TRP channel that senses cold stimuli and menthol. <i>Cell</i> , <b>2002</b> , 108, 705-15	56.2	1677
29	Cloning and functional characterization of the guinea pig vanilloid receptor 1. <i>Neuropharmacology</i> , <b>2002</b> , 43, 450-6	5.5	86
28	Pharmacological differences between the human and rat vanilloid receptor 1 (VR1). <i>British Journal of Pharmacology</i> , <b>2001</b> , 132, 1084-94	8.6	160
27	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> , <b>2000</b> , 129, 77-86	8.6	88
26	Regulation of bradykinin receptor gene expression in human lung fibroblasts. <i>European Journal of Pharmacology</i> , <b>2000</b> , 397, 237-46	5.3	30

25	The CD44v7/8 epitope as a target to restrain proliferation of fibroblast-like synoviocytes in rheumatoid arthritis. <i>American Journal of Pathology</i> , <b>2000</b> , 157, 2037-44	5.8	16
24	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> , <b>2000</b> , 57, 1123-31	4.3	59
23	Molecular characterisation of cloned bradykinin B1 receptors from rat and human. <i>European Journal of Pharmacology</i> , <b>1999</b> , 374, 423-33	5.3	38
22	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> , <b>1999</b> , 154, 1149-58	5.8	40
21	Glial cell line derived neurotrophic factor (GDNF) regulates VR1 and substance P in cultured sensory neurons. <i>NeuroReport</i> , <b>1999</b> , 10, 2107-11	1.7	73
20	Comparative, general pharmacology of SDZ NKT 343, a novel, selective NK1 receptor antagonist. <i>British Journal of Pharmacology</i> , <b>1998</b> , 124, 83-92	8.6	18
19	Capsaicin sensitivity is associated with the expression of the vanilloid (capsaicin) receptor (VR1) mRNA in adult rat sensory ganglia. <i>Neuroscience Letters</i> , <b>1998</b> , 250, 177-80	3.3	158
18	Cytokines increase B1 bradykinin receptor mRNA and protein levels in human lung fibroblasts. <i>Biochemical Society Transactions</i> , <b>1997</b> , 25, 43S	5.1	8
17	Complex CD44 splicing combinations in synovial fibroblasts from arthritic joints. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 1680-4	6.1	26
16	Molecular studies on kinin receptors. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>1995</b> , 73, 780-6	2.4	6
15	B1 and B2 bradykinin receptors encoded by distinct mRNAs. <i>Journal of Neurochemistry</i> , <b>1994</b> , 62, 1247-58		27
14	Altered substrate selectivity of PKC-eta pseudosubstrate site mutants. <i>FEBS Letters</i> , <b>1993</b> , 329, 129-33	3.8	18
13	Cloned murine bradykinin receptor exhibits a mixed B1 and B2 pharmacological selectivity. <i>Molecular Pharmacology</i> , <b>1993</b> , 44, 346-55	4.3	64
12	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> , <b>1993</b> , 268, 19498-19504	5.4	46
11	The cDNA cloning and immunological characterization of hamster p53. <i>Gene</i> , <b>1992</b> , 112, 247-50	3.8	22
10	Biochemical properties of rat protein kinase C-eta expressed in COS cells. <i>FEBS Letters</i> , <b>1992</b> , 312, 195-9	3.8	36
9	Expression of functional bradykinin receptors in <i>Xenopus</i> oocytes. <i>Journal of Neurochemistry</i> , <b>1992</b> , 58, 243-9	6	15
8	Induction of gene amplification by 5-aza-2'deoxyctidine. <i>Mutation Research - Reviews in Genetic Toxicology</i> , <b>1992</b> , 276, 189-97		22

7	Putative glycoprotein-binding protein is secreted from schizonts of <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1987</b> , 23, 91-102	1.9	33
6	The Wellcome Trust lecture. Genes for antigens of <i>Plasmodium falciparum</i> . <i>Parasitology</i> , <b>1986</b> , 92 Suppl, S83-108	2.7	66
5	The primary structure of the imported mitochondrial protein, ornithine transcarbamylase from rat liver: mRNA levels during ontogeny. <i>DNA and Cell Biology</i> , <b>1985</b> , 4, 147-56		28
4	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> , <b>1984</b> , 143, 183-7		11
3	A carbamylphosphate synthetase deficiency with no detectable immunoreactive enzyme and no translatable mRNA. <i>Journal of Inherited Metabolic Disease</i> , <b>1984</b> , 7, 104-6	5.4	4
2	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> , <b>1983</b> , 6, 365-73		2
1	Isolation of an immunologically pure preparation of carbamylphosphate synthetase (ammonia) using chromatofocusing. <i>FEBS Letters</i> , <b>1981</b> , 135, 65-9	3.8	10