

# Peter M Zygmunt

## List of Publications by Citations

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40  
papers

6,879  
citations

27  
h-index

42  
g-index

42  
ext. papers

7,430  
ext. citations

9.3  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
40	Vanilloid receptors on sensory nerves mediate the vasodilator action of anandamide. <i>Nature</i> , <b>1999</b> , 400, 452-7	50.4	1815
39	Mustard oils and cannabinoids excite sensory nerve fibres through the TRP channel ANKTM1. <i>Nature</i> , <b>2004</b> , 427, 260-5	50.4	1514
38	Pungent products from garlic activate the sensory ion channel TRPA1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 12248-52	11.5	645
37	Conversion of acetaminophen to the bioactive N-acylphenolamine AM404 via fatty acid amide hydrolase-dependent arachidonic acid conjugation in the nervous system. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 31405-12	5.4	284
36	H2S and NO cooperatively regulate vascular tone by activating a neuroendocrine HNO-TRPA1-CGRP signalling pathway. <i>Nature Communications</i> , <b>2014</b> , 5, 4381	17.4	267
35	Distribution and function of the hydrogen sulfide-sensitive TRPA1 ion channel in rat urinary bladder. <i>European Urology</i> , <b>2008</b> , 53, 391-9	10.2	230
34	The anandamide transport inhibitor AM404 activates vanilloid receptors. <i>European Journal of Pharmacology</i> , <b>2000</b> , 396, 39-42	5.3	207
33	TRPA1 mediates spinal antinociception induced by acetaminophen and the cannabinoid (9)-tetrahydrocannabinol. <i>Nature Communications</i> , <b>2011</b> , 2, 551	17.4	206
32	Role of potassium channels in endothelium-dependent relaxation resistant to nitroarginine in the rat hepatic artery. <i>British Journal of Pharmacology</i> , <b>1996</b> , 117, 1600-6	8.6	176
31	TRPA1. <i>Handbook of Experimental Pharmacology</i> , <b>2014</b> , 222, 583-630	3.2	153
30	Endogenous unsaturated C18 N-acylethanolamines are vanilloid receptor (TRPV1) agonists. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 38496-504	5.4	143
29	Human TRPA1 is intrinsically cold- and chemosensitive with and without its N-terminal ankyrin repeat domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16901-6	11.5	108
28	TRPV1 in brain is involved in acetaminophen-induced antinociception. <i>PLoS ONE</i> , <b>2010</b> , 5, e12748	3.7	105
27	Monoacylglycerols activate TRPV1--a link between phospholipase C and TRPV1. <i>PLoS ONE</i> , <b>2013</b> , 8, e81638	3.8	104
26	Characterization of the potassium channels involved in EDHF-mediated relaxation in cerebral arteries. <i>British Journal of Pharmacology</i> , <b>1997</b> , 120, 1344-50	8.6	104
25	Delta 9-tetrahydrocannabinol and cannabinol activate capsaicin-sensitive sensory nerves via a CB1 and CB2 cannabinoid receptor-independent mechanism. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 4720-7	6.6	99
24	Human TRPA1 is a heat sensor displaying intrinsic U-shaped thermosensitivity. <i>Scientific Reports</i> , <b>2016</b> , 6, 28763	4.9	76

23	Effects of cytochrome P450 inhibitors on EDHF-mediated relaxation in the rat hepatic artery. <i>British Journal of Pharmacology</i> , <b>1996</b> , 118, 1147-52	8.6	73
22	TRPA1 contributes to the acute inflammatory response and mediates carrageenan-induced paw edema in the mouse. <i>Scientific Reports</i> , <b>2012</b> , 2, 380	4.9	63
21	Photosensitization in Porphyrins and Photodynamic Therapy Involves TRPA1 and TRPV1. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 5264-78	6.6	52
20	Effects of inhibitors of small- and intermediate-conductance calcium-activated potassium channels, inwardly-rectifying potassium channels and Na(+)/K(+) ATPase on EDHF relaxations in the rat hepatic artery. <i>British Journal of Pharmacology</i> , <b>2000</b> , 129, 1490-6	8.6	46
19	Substance P-induced relaxation and hyperpolarization in human cerebral arteries. <i>British Journal of Pharmacology</i> , <b>1995</b> , 115, 889-94	8.6	46
18	Mechanisms underlying tissue selectivity of anandamide and other vanilloid receptor agonists. <i>Molecular Pharmacology</i> , <b>2002</b> , 62, 705-13	4.3	45
17	Fatty acid amide hydrolase-dependent generation of antinociceptive drug metabolites acting on TRPV1 in the brain. <i>PLoS ONE</i> , <b>2013</b> , 8, e70690	3.7	44
16	Interactions between endothelium-derived relaxing factors in the rat hepatic artery: focus on regulation of EDHF. <i>British Journal of Pharmacology</i> , <b>1998</b> , 124, 992-1000	8.6	39
15	Characterization of endothelium- dependent relaxation in guinea pig basilar artery - effect of hypoxia and role of cytochrome P450 mono-oxygenase. <i>Journal of Vascular Research</i> , <b>1998</b> , 35, 285-94	1.9	39
14	Vascular effects of anandamide and N-acylvanillylamines in the human forearm and skin microcirculation. <i>British Journal of Pharmacology</i> , <b>2005</b> , 146, 171-9	8.6	34
13	TRPA1-FGFR2 binding event is a regulatory oncogenic driver modulated by miRNA-142-3p. <i>Nature Communications</i> , <b>2017</b> , 8, 947	17.4	26
12	Oxidation of methionine residues activates the high-threshold heat-sensitive ion channel TRPV2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 24359-24365	11.5	21
11	The antipyretic effect of paracetamol occurs independent of transient receptor potential ankyrin 1-mediated hypothermia and is associated with prostaglandin inhibition in the brain. <i>FASEB Journal</i> , <b>2018</b> , 32, 5751-5759	0.9	20
10	TRPV1 and TRPA1 stimulation induces MUC5B secretion in the human nasal airway in vivo. <i>Clinical Physiology and Functional Imaging</i> , <b>2011</b> , 31, 435-44	2.4	20
9	Human TRPA1 is an inherently mechanosensitive bilayer-gated ion channel. <i>Cell Calcium</i> , <b>2020</b> , 91, 102255		16
8	Calcium antagonistic properties of the sesquiterpene T-cadinol: a comparison with nimodipine in the isolated rat aorta. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1991</b> , 69, 173-7		15
7	The N-terminal Ankyrin Repeat Domain Is Not Required for Electrophile and Heat Activation of the Purified Mosquito TRPA1 Receptor. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 26899-26912	5.4	13
6	Involvement of sensory nerves in vasodilator responses to acetylcholine and potassium ions in rat hepatic artery. <i>British Journal of Pharmacology</i> , <b>2000</b> , 130, 27-32	8.6	10

5	Calcium activates purified human TRPA1 with and without its N-terminal ankyrin repeat domain in the absence of calmodulin. <i>Cell Calcium</i> , <b>2020</b> , 90, 102228	4	7
4	Electrophile-Induced Conformational Switch of the Human TRPA1 Ion Channel Detected by Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
3	Human TRPA1 is an inherently mechanosensitive bilayer-gated ion channel		3
2	Paracetamol analogues conjugated by FAAH induce TRPV1-mediated antinociception without causing acute liver toxicity. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 213, 113042	6.8	2
1	Calcium activates purified human TRPA1 with and without its N-terminal ankyrin repeat domain in the absence of calmodulin		1