

Peter M Zygmunt

List of Publications by Year in descending order

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39
papers

7,940
citations

172386

29
h-index

302012

39
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42
all docs

42
docs citations

42
times ranked

6142
citing authors

#	ARTICLE	IF	CITATIONS
1	Vanilloid receptors on sensory nerves mediate the vasodilator action of anandamide. <i>Nature</i> , 1999, 400, 452-457.	13.7	2,022
2	Mustard oils and cannabinoids excite sensory nerve fibres through the TRP channel ANKTM1. <i>Nature</i> , 2004, 427, 260-265.	13.7	1,706
3	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> , 2005, 102, 12248-12252.	3.3	740
4	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> , 2005, 280, 31405-31412.	1.6	347
5	H2S and NO cooperatively regulate vascular tone by activating a neuroendocrine HNO ² -TRPA1-CGRP signalling pathway. <i>Nature Communications</i> , 2014, 5, 4381.	5.8	324
6	Distribution and Function of the Hydrogen Sulfide-Sensitive TRPA1 Ion Channel in Rat Urinary Bladder. <i>European Urology</i> , 2008, 53, 391-400.	0.9	263
7	The anandamide transport inhibitor AM404 activates vanilloid receptors. <i>European Journal of Pharmacology</i> , 2000, 396, 39-42.	1.7	239
8	TRPA1 mediates spinal antinociception induced by acetaminophen and the cannabinoid δ^9 -tetrahydrocannabinol. <i>Nature Communications</i> , 2011, 2, 551.	5.8	236
9	Role of potassium channels in endothelium-dependent relaxation resistant to nitroarginine in the rat hepatic artery. <i>British Journal of Pharmacology</i> , 1996, 117, 1600-1606.	2.7	193
10	TRPA1. <i>Handbook of Experimental Pharmacology</i> , 2014, 222, 583-630.	0.9	184
11	Endogenous Unsaturated C18 N-Acylethanolamines Are Vanilloid Receptor (TRPV1) Agonists. <i>Journal of Biological Chemistry</i> , 2005, 280, 38496-38504.	1.6	156
12	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> , 2014, 111, 16901-16906.	3.3	130
13	Monoacylglycerols Activate TRPV1 - A Link between Phospholipase C and TRPV1. <i>PLoS ONE</i> , 2013, 8, e81618.	1.1	125
14	TRPV1 in Brain Is Involved in Acetaminophen-Induced Antinociception. <i>PLoS ONE</i> , 2010, 5, e12748.	1.1	120
15	Characterization of the potassium channels involved in EDHF-mediated relaxation in cerebral arteries. <i>British Journal of Pharmacology</i> , 1997, 120, 1344-1350.	2.7	118
16	δ^9 -Tetrahydrocannabinol and Cannabinol Activate Capsaicin-Sensitive Sensory Nerves via a CB1 and CB2 Cannabinoid Receptor-Independent Mechanism. <i>Journal of Neuroscience</i> , 2002, 22, 4720-4727.	1.7	113
17	Human TRPA1 is a heat sensor displaying intrinsic U-shaped thermosensitivity. <i>Scientific Reports</i> , 2016, 6, 28763.	1.6	103
18	Effects of cytochrome P450 inhibitors on EDHF-mediated relaxation in the rat hepatic artery. <i>British Journal of Pharmacology</i> , 1996, 118, 1147-1152.	2.7	79

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19	TRPA1 Contributes to the Acute Inflammatory Response and Mediates Carrageenan-Induced Paw Edema in the Mouse. <i>Scientific Reports</i> , 2012, 2, 380.	1.6	76
20	Photosensitization in Porphyrins and Photodynamic Therapy Involves TRPA1 and TRPV1. <i>Journal of Neuroscience</i> , 2016, 36, 5264-5278.	1.7	66
21	Substance P-induced relaxation and hyperpolarization in human cerebral arteries. <i>British Journal of Pharmacology</i> , 1995, 115, 889-894.	2.7	56
22	TRPA1-FGFR2 binding event is a regulatory oncogenic driver modulated by miRNA-142-3p. <i>Nature Communications</i> , 2017, 8, 947.	5.8	56
23	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> , 2000, 129, 1490-1496.	2.7	51
24	Interactions between endothelium-derived relaxing factors in the rat hepatic artery: focus on regulation of EDHF. <i>British Journal of Pharmacology</i> , 1998, 124, 992-1000.	2.7	49
25	Mechanisms Underlying Tissue Selectivity of Anandamide and Other Vanilloid Receptor Agonists. <i>Molecular Pharmacology</i> , 2002, 62, 705-713.	1.0	49
26	Fatty Acid Amide Hydrolase-Dependent Generation of Antinociceptive Drug Metabolites Acting on TRPV1 in the Brain. <i>PLoS ONE</i> , 2013, 8, e70690.	1.1	47
27	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> , 2019, 116, 24359-24365.	3.3	44
28	Characterization of Endothelium-Dependent Relaxation in Guinea Pig Basilar Artery - Effect of Hypoxia and Role of Cytochrome P ₄₅₀ Mono-Oxygenase. <i>Journal of Vascular Research</i> , 1998, 35, 285-294.	0.6	43
29	Vascular effects of anandamide and N-acylvanyllamines in the human forearm and skin microcirculation. <i>British Journal of Pharmacology</i> , 2005, 146, 171-179.	2.7	38
30	Human TRPA1 is an inherently mechanosensitive bilayer-gated ion channel. <i>Cell Calcium</i> , 2020, 91, 102255.	1.1	38
31	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> , 2018, 32, 5751-5759.	0.2	29
32	TRPV1 and TRPA1 stimulation induces MUC5B secretion in the human nasal airway in vivo. <i>Clinical Physiology and Functional Imaging</i> , 2011, 31, 435-444.	0.5	23
33	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> , 1991, 69, 173-177.	0.0	18
34	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> , 2016, 291, 26899-26912.	1.6	16
35	Calcium activates purified human TRPA1 with and without its N-terminal ankyrin repeat domain in the absence of calmodulin. <i>Cell Calcium</i> , 2020, 90, 102228.	1.1	12
36	Involvement of sensory nerves in vasodilator responses to acetylcholine and potassium ions in rat hepatic artery. <i>British Journal of Pharmacology</i> , 2000, 130, 27-32.	2.7	11

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37	Electrophile-Induced Conformational Switch of the Human TRPA1 Ion Channel Detected by Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6667.	1.8	6
38	A TR(i)P in the air. <i>Nature Chemical Biology</i> , 2011, 7, 661-663.	3.9	5
39	Paracetamol analogues conjugated by FAAH induce TRPV1-mediated antinociception without causing acute liver toxicity. <i>European Journal of Medicinal Chemistry</i> , 2021, 213, 113042.	2.6	5