

Michael Poteser

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,828
citations

279701

23
h-index

265120

42
g-index

52
all docs

52
docs citations

52
times ranked

2477
citing authors

#	ARTICLE	IF	CITATIONS
1	TRPC3 and TRPC4 Associate to Form a Redox-sensitive Cation Channel. <i>Journal of Biological Chemistry</i> , 2006, 281, 13588-13595.	1.6	198
2	Motion detection in insect orientation and navigation. <i>Vision Research</i> , 1999, 39, 2749-2766.	0.7	161
3	Functional Consequences of P/Q-type Ca ²⁺ Channel Cav2.1 Missense Mutations Associated with Episodic Ataxia Type 2 and Progressive Ataxia. <i>Journal of Biological Chemistry</i> , 2002, 277, 6960-6966.	1.6	94
4	Phospholipase C-dependent control of cardiac calcium homeostasis involves a TRPC3-NCX1 signaling complex. <i>Cardiovascular Research</i> , 2007, 73, 111-119.	1.8	84
5	Motion parallax as a source of distance information in locusts and mantids. <i>Journal of Insect Behavior</i> , 1997, 10, 145-163.	0.4	82
6	Cholesterol modulates Orai1 channel function. <i>Science Signaling</i> , 2016, 9, ra10.	1.6	80
7	PKC-dependent coupling of calcium permeation through transient receptor potential canonical 3 (TRPC3) to calcineurin signaling in HL-1 myocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10556-10561.	3.3	79
8	Mitochondrial Ca ²⁺ uptake and not mitochondrial motility is required for STIM1-Orai1-dependent store-operated Ca ²⁺ entry. <i>Journal of Cell Science</i> , 2010, 123, 2553-2564.	1.2	76
9	Targeting Cardiac Hypertrophy. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 64, 293-305.	0.8	70
10	TRPC3 contributes to regulation of cardiac contractility and arrhythmogenesis by dynamic interaction with NCX1. <i>Cardiovascular Research</i> , 2015, 106, 163-173.	1.8	69
11	GPR55-dependent and -independent ion signalling in response to lysophosphatidylinositol in endothelial cells. <i>British Journal of Pharmacology</i> , 2010, 161, 308-320.	2.7	59
12	Live-cell imaging of ER-PM contact architecture by a novel TIRFM approach reveals extension of junctions in response to store-operated Ca ²⁺ -entry. <i>Scientific Reports</i> , 2016, 6, 35656.	1.6	58
13	S-Nitrosation Controls Gating and Conductance of the $\hat{I}_{\pm 1}$ Subunit of Class C L-type Ca ²⁺ Channels. <i>Journal of Biological Chemistry</i> , 2001, 276, 14797-14803.	1.6	57
14	Na ⁺ entry and modulation of Na ⁺ /Ca ²⁺ exchange as a key mechanism of TRPC signaling. <i>Pflugers Archiv European Journal of Physiology</i> , 2005, 451, 99-104.	1.3	53
15	Cellular cholesterol controls TRPC3 function: evidence from a novel dominant-negative knockdown strategy. <i>Biochemical Journal</i> , 2006, 396, 147-155.	1.7	52
16	Modulation of the smooth-muscle L-type Ca ²⁺ channel $\hat{I}_{\pm 1}$ subunit ($\hat{I}_{\pm 1C-b}$) by the $\hat{I}_{\pm 2a}$ subunit: a peptide which inhibits binding of $\hat{I}_{\pm 2}$ to the $\hat{I}_{\pm 1}$ linker of $\hat{I}_{\pm 1}$ induces functional uncoupling. <i>Biochemical Journal</i> , 2000, 348, 657-665.	1.7	47
17	Cell-Cell Contact Formation Governs Ca ²⁺ Signaling by TRPC4 in the Vascular Endothelium. <i>Journal of Biological Chemistry</i> , 2010, 285, 4213-4223.	1.6	45
18	Intracellular pH as a Determinant of Vascular Smooth Muscle Function. <i>Journal of Vascular Research</i> , 2006, 43, 238-250.	0.6	40

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19	Serum albumin induces iNOS expression and NO production in RAW 267.4 macrophages. <i>British Journal of Pharmacology</i> , 2004, 143, 143-151.	2.7	36
20	Air Pollution Is Associated with COVID-19 Incidence and Mortality in Vienna, Austria. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9275.	1.2	30
21	Crosstalk Between Voltage-Independent Ca ²⁺ Channels and L-Type Ca ²⁺ Channels in A7r5 Vascular Smooth Muscle Cells at Elevated Intracellular pH. <i>Circulation Research</i> , 2003, 92, 888-896.	2.0	29
22	Expression of Trp3 Determines Sensitivity of Capacitative Ca ²⁺ Entry to Nitric Oxide and Mitochondrial Ca ²⁺ Handling. <i>Journal of Biological Chemistry</i> , 2001, 276, 48149-48158.	1.6	28
23	Identification of a rare subset of adipose tissue-resident progenitor cells, which express CD133 and TRPC3 as a VEGF-regulated Ca ²⁺ entry channel. <i>FEBS Letters</i> , 2008, 582, 2696-2702.	1.3	28
24	Time Course of COVID-19 Cases in Austria. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3270.	1.2	26
25	A novel homology model of TRPC3 reveals allosteric coupling between gate and selectivity filter. <i>Cell Calcium</i> , 2013, 54, 175-185.	1.1	25
26	Correlative SEM-Raman microscopy to reveal nanoplastics in complex environments. <i>Micron</i> , 2021, 144, 103034.	1.1	24
27	Glycanogenomics: A qPCR-approach to investigate biological glycan function. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 297-302.	1.0	23
28	Nitrogen-Dioxide Remains a Valid Air Quality Indicator. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3733.	1.2	20
29	Inhibition of Orai1-mediated Ca ²⁺ entry is a key mechanism of the antiproliferative action of sirolimus in human arterial smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1646-H1657.	1.5	17
30	Modulation of the smooth-muscle L-type Ca ²⁺ channel α_1 subunit (α_1C-b) by the α_2a subunit: a peptide which inhibits binding of β_2 to the α_1 linker of α_1 induces functional uncoupling. <i>Biochemical Journal</i> , 2000, 348, 657.	1.7	16
31	Daylight Saving Time Transitions: Impact on Total Mortality. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1611.	1.2	15
32	Relationship between Body Size and Spatial Vision in the Praying Mantis - An Ontogenetic Study. <i>Journal of Orthoptera Research</i> , 2009, 18, 153-158.	0.4	14
33	Indicators of Genotoxicity in Farmers and Laborers of Ecological and Conventional Banana Plantations in Ecuador. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1435.	1.2	14
34	Health Symptoms Related to Pesticide Use in Farmers and Laborers of Ecological and Conventional Banana Plantations in Ecuador. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1126.	1.2	14
35	Subjective Symptoms of Male Workers Linked to Occupational Pesticide Exposure on Coffee Plantations in the Jarabacoa Region, Dominican Republic. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2099.	1.2	13
36	Perfluorooctanoic acid (PFOA) enhances NOTCH-signaling in an angiogenesis model of placental trophoblast cells. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 229, 113566.	2.1	13

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37	Anti-Inflammatory Effects of Melatonin in Rats with Induced Type 2 Diabetes Mellitus. <i>Life</i> , 2022, 12, 574.	1.1	11
38	TRPC4 expression determines sensitivity of the platelet-type capacitative Ca ²⁺ -entry channel to intracellular alkalosis. <i>Platelets</i> , 2006, 17, 454-461.	1.1	10
39	COVID-19 and air pollution in Vienna – a time series approach. <i>Wiener Klinische Wochenschrift</i> , 2021, 133, 951-957.	1.0	6
40	Validity of reported indicators of pesticide exposure and relevance for cytotoxic and genotoxic effects on buccal cells. <i>Mutagenesis</i> , 2019, 34, 147-152.	1.0	4
41	COVID-19: Regional Differences in Austria. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1644.	1.2	3
42	More pesticides – less children?. <i>Wiener Klinische Wochenschrift</i> , 2020, 132, 197-204.	1.0	2
43	Effects of Cadmium in Vitro on Contractile and Relaxant Responses of Isolated Rat Aortas. <i>Environmental Health and Preventive Medicine</i> , 2004, 9, 251-256.	1.4	2
44	Reduction of lipopolysaccharide-induced cyclooxygenase-2 expression in diabetic arteries. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 369, 358-362.	1.4	1
45	Role of TRP channels in endothelial pathophysiology – evidence for vascular TRPs as a potential target for drug therapy. <i>International Congress Series</i> , 2004, 1262, 137-140.	0.2	0
46	Comment on Zheng et al. Association between Promoter Methylation of Gene ERCC3 and Benzene Hematotoxicity. <i>Int. J. Environ. Res. Public Health</i> 2017, 14, 921. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1393.	1.2	0
47	Basic Principles of Molecular Pathophysiology and Etiology of Cardiovascular Disorders. , 2013, , 1-23.		0
48	Gene Polymorphisms and Signaling Defects. , 2013, , 53-102.		0
49	Role of TRPC and Orai Channels in Vascular Remodeling. , 2014, , 463-490.		0
50	Die Klimamahnwoche: Information des Gesundheitspersonals über das Thema auf wissenschaftlicher Basis. <i>Public Health Forum</i> , 2020, 28, 72-74.	0.1	0