

Thomas Voets

List of Publications by Year in descending order

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263
papers

24,387
citations

5896

81
h-index

7745

150
g-index

278
all docs

278
docs citations

278
times ranked

16202
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Receptor Potential Cation Channels in Disease. <i>Physiological Reviews</i> , 2007, 87, 165-217.	28.8	1,260
2	The principle of temperature-dependent gating in cold- and heat-sensitive TRP channels. <i>Nature</i> , 2004, 430, 748-754.	27.8	922
3	Anandamide and arachidonic acid use epoxyeicosatrienoic acids to activate TRPV4 channels. <i>Nature</i> , 2003, 424, 434-438.	27.8	895
4	Cell swelling, heat, and chemical agonists use distinct pathways for the activation of the cation channel TRPV4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 396-401.	7.1	561
5	TRPM6 Forms the Mg ²⁺ Influx Channel Involved in Intestinal and Renal Mg ²⁺ Absorption. <i>Journal of Biological Chemistry</i> , 2004, 279, 19-25.	3.4	552
6	PERMEATION AND SELECTIVITY OF TRP CHANNELS. <i>Annual Review of Physiology</i> , 2006, 68, 685-717.	13.1	505
7	TRPA1 acts as a cold sensor in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1273-1278.	7.1	503
8	TRPM3 Is a Nociceptor Channel Involved in the Detection of Noxious Heat. <i>Neuron</i> , 2011, 70, 482-494.	8.1	454
9	Bimodal Action of Menthol on the Transient Receptor Potential Channel TRPA1. <i>Journal of Neuroscience</i> , 2007, 27, 9874-9884.	3.6	438
10	Heat activation of TRPM5 underlies thermal sensitivity of sweet taste. <i>Nature</i> , 2005, 438, 1022-1025.	27.8	408
11	TRPV4 calcium entry channel: a paradigm for gating diversity. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 286, C195-C205.	4.6	401
12	TRPA1 channels mediate acute neurogenic inflammation and pain produced by bacterial endotoxins. <i>Nature Communications</i> , 2014, 5, 3125.	12.8	361
13	Inhibition of the cation channel TRPV4 improves bladder function in mice and rats with cyclophosphamide-induced cystitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19084-19089.	7.1	351
14	Modulation of the Ca ²⁺ Permeable Cation Channel TRPV4 by Cytochrome P450 Epoxygenases in Vascular Endothelium. <i>Circulation Research</i> , 2005, 97, 908-915.	4.5	334
15	Properties of volume-regulated anion channels in mammalian cells. <i>Progress in Biophysics and Molecular Biology</i> , 1997, 68, 69-119.	2.9	331
16	Munc18-1 Promotes Large Dense-Core Vesicle Docking. <i>Neuron</i> , 2001, 31, 581-592.	8.1	329
17	A TRP channel trio mediates acute noxious heat sensing. <i>Nature</i> , 2018, 555, 662-666.	27.8	329
18	Sensing with TRP channels. <i>Nature Chemical Biology</i> , 2005, 1, 85-92.	8.0	323

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19	Gain-of-function mutations in TRPV4 cause autosomal dominant brachyolmia. <i>Nature Genetics</i> , 2008, 40, 999-1003.	21.4	320
20	Calcium Dependence of Exocytosis and Endocytosis at the Cochlear Inner Hair Cell Afferent Synapse. <i>Neuron</i> , 2001, 29, 681-690.	8.1	310
21	Peripheral thermosensation in mammals. <i>Nature Reviews Neuroscience</i> , 2014, 15, 573-589.	10.2	304
22	Voltage Dependence of the Ca ²⁺ -activated Cation Channel TRPM4. <i>Journal of Biological Chemistry</i> , 2003, 278, 30813-30820.	3.4	302
23	Homo- and heterotetrameric architecture of the epithelial Ca ²⁺ channels TRPV5 and TRPV6. <i>EMBO Journal</i> , 2003, 22, 776-785.	7.8	292
24	Deletion of the transient receptor potential cation channel TRPV4 impairs murine bladder voiding. <i>Journal of Clinical Investigation</i> , 2007, 117, 3453-3462.	8.2	283
25	Molecular Determinants of Permeation through the Cation Channel TRPV4. <i>Journal of Biological Chemistry</i> , 2002, 277, 33704-33710.	3.4	270
26	The Ca ²⁺ -activated cation channel TRPM4 is regulated by phosphatidylinositol 4,5-biphosphate. <i>EMBO Journal</i> , 2006, 25, 467-478.	7.8	268
27	TRPs in Our Senses. <i>Current Biology</i> , 2008, 18, R880-R889.	3.9	261
28	TRPV4-Mediated Calcium Influx Regulates Terminal Differentiation of Osteoclasts. <i>Cell Metabolism</i> , 2008, 8, 257-265.	16.2	260
29	Regulation of the Ca ²⁺ Sensitivity of the Nonselective Cation Channel TRPM4. <i>Journal of Biological Chemistry</i> , 2005, 280, 6423-6433.	3.4	252
30	The puzzle of TRPV4 channelopathies. <i>EMBO Reports</i> , 2013, 14, 152-163.	4.5	252
31	TRPM8 voltage sensor mutants reveal a mechanism for integrating thermal and chemical stimuli. <i>Nature Chemical Biology</i> , 2007, 3, 174-182.	8.0	249
32	Gating of TRP channels: a voltage connection?. <i>Journal of Physiology</i> , 2005, 567, 35-44.	2.9	244
33	Mechanisms Underlying Phasic and Sustained Secretion in Chromaffin Cells from Mouse Adrenal Slices. <i>Neuron</i> , 1999, 23, 607-615.	8.1	231
34	Dissection of Three Ca ²⁺ -Dependent Steps Leading to Secretion in Chromaffin Cells from Mouse Adrenal Slices. <i>Neuron</i> , 2000, 28, 537-545.	8.1	218
35	Comparison of functional properties of the Ca ²⁺ -activated cation channels TRPM4 and TRPM5 from mice. <i>Cell Calcium</i> , 2005, 37, 267-278.	2.4	215
36	Nicotine activates the chemosensory cation channel TRPA1. <i>Nature Neuroscience</i> , 2009, 12, 1293-1299.	14.8	214

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37	CaT1 and the Calcium Release-activated Calcium Channel Manifest Distinct Pore Properties. <i>Journal of Biological Chemistry</i> , 2001, 276, 47767-47770.	3.4	212
38	TRP channels: a TR(I)P through a world of multifunctional cation channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2005, 451, 1-10.	2.8	204
39	Munc13-1 acts as a priming factor for large dense-core vesicles in bovine chromaffin cells. <i>EMBO Journal</i> , 2000, 19, 3586-3596.	7.8	200
40	Cannabidiol exerts sebostatic and antiinflammatory effects on human sebocytes. <i>Journal of Clinical Investigation</i> , 2014, 124, 3713-3724.	8.2	199
41	The Capsaicin Receptor TRPV1 Is a Crucial Mediator of the Noxious Effects of Mustard Oil. <i>Current Biology</i> , 2011, 21, 316-321.	3.9	189
42	Loss of high-frequency glucose-induced Ca ²⁺ oscillations in pancreatic islets correlates with impaired glucose tolerance in <i>Trpm5</i> mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5208-5213.	7.1	187
43	Intracellular calcium dependence of large dense-core vesicle exocytosis in the absence of synaptotagmin I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11680-11685.	7.1	175
44	Mutations in the Gene Encoding the Calcium-Permeable Ion Channel TRPV4 Produce Spondylometaphyseal Dysplasia, Kozlowski Type and Metatropic Dysplasia. <i>American Journal of Human Genetics</i> , 2009, 84, 307-315.	6.2	173
45	Volume-activated Cl ⁻ channels. <i>General Pharmacology</i> , 1996, 27, 1131-1140.	0.7	165
46	Differential expression of volume-regulated anion channels during cell cycle progression of human cervical cancer cells. <i>Journal of Physiology</i> , 2000, 529, 385-394.	2.9	156
47	The SNARE protein SNAP-25 is linked to fast calcium triggering of exocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1627-1632.	7.1	156
48	Current understanding of mammalian TRP homologues. <i>Cell Calcium</i> , 2002, 31, 253-264.	2.4	156
49	Neuronal TRP channels: thermometers, pathfinders and life-savers. <i>Trends in Neurosciences</i> , 2008, 31, 287-295.	8.6	152
50	Transient receptor potential channels meet phosphoinositides. <i>EMBO Journal</i> , 2008, 27, 2809-2816.	7.8	147
51	Regulation of a swelling-activated chloride current in bovine endothelium by protein tyrosine phosphorylation and G proteins. <i>Journal of Physiology</i> , 1998, 506, 341-352.	2.9	145
52	Mg ²⁺ -dependent Gating and Strong Inward Rectification of the Cation Channel TRPV6. <i>Journal of General Physiology</i> , 2003, 121, 245-260.	1.9	143
53	Steviol glycosides enhance pancreatic beta-cell function and taste sensation by potentiation of TRPM5 channel activity. <i>Nature Communications</i> , 2017, 8, 14733.	12.8	136
54	TRP Channels in Disease. <i>Science Signaling</i> , 2005, 2005, re8.	3.6	135

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55	Functional characterization of transient receptor potential channels in mouse urothelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F692-F701.	2.7	135
56	<sc>TRP</sc> Channels. , 2012, 2, 563-608.		134
57	Increased catecholamine secretion contributes to hypertension in TRPM4-deficient mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 3267-3279.	8.2	134
58	Reduced intracellular ionic strength as the initial trigger for activation of endothelial volume-regulated anion channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 5298-5303.	7.1	130
59	Role of Rho and Rho kinase in the activation of volume-regulated anion channels in bovine endothelial cells. <i>Journal of Physiology</i> , 1999, 516, 67-74.	2.9	128
60	Intracellular nucleotides and polyamines inhibit the Ca ²⁺ -activated cation channel TRPM4b. <i>Pflügers Archiv European Journal of Physiology</i> , 2004, 448, 70-75.	2.8	125
61	Calbindin-D28K dynamically controls TRPV5-mediated Ca ²⁺ transport. <i>EMBO Journal</i> , 2006, 25, 2978-2988.	7.8	125
62	Blockers of volume-activated Cl ⁻ currents inhibit endothelial cell proliferation. <i>Pflügers Archiv European Journal of Physiology</i> , 1995, 431, 132-134.	2.8	124
63	The Selectivity Filter of the Cation Channel TRPM4. <i>Journal of Biological Chemistry</i> , 2005, 280, 22899-22906.	3.4	120
64	Determinants of 4β -Phorbol Sensitivity in Transmembrane Domains 3 and 4 of the Cation Channel TRPV4. <i>Journal of Biological Chemistry</i> , 2007, 282, 12796-12803.	3.4	119
65	The Sensory Coding of Warm Perception. <i>Neuron</i> , 2020, 106, 830-841.e3.	8.1	119
66	Inhibition by mibefradil, a novel calcium channel antagonist, of Ca ²⁺ - and volume-activated Cl ⁻ channels in macrovascular endothelial cells. <i>British Journal of Pharmacology</i> , 1997, 121, 547-555.	5.4	115
67	Outer Pore Architecture of a Ca ²⁺ -selective TRP Channel. <i>Journal of Biological Chemistry</i> , 2004, 279, 15223-15230.	3.4	115
68	Systematic and quantitative mRNA expression analysis of TRP channel genes at the single trigeminal and dorsal root ganglion level in mouse. <i>BMC Neuroscience</i> , 2013, 14, 21.	1.9	115
69	TRPM8-independent Menthol-induced Ca ²⁺ Release from Endoplasmic Reticulum and Golgi. <i>Journal of Biological Chemistry</i> , 2007, 282, 3325-3336.	3.4	112
70	Modulation of the transient receptor potential channel TRPA1 by phosphatidylinositol 4,5-bisphosphate manipulators. <i>Pflügers Archiv European Journal of Physiology</i> , 2008, 457, 77-89.	2.8	111
71	Stimulus-specific Modulation of the Cation Channel TRPV4 by PACSIN 3. <i>Journal of Biological Chemistry</i> , 2008, 283, 6272-6280.	3.4	110
72	Activation of volume-regulated chloride currents by reduction of intracellular ionic strength in bovine endothelial cells. <i>Journal of Physiology</i> , 1998, 506, 353-361.	2.9	109

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73	Agonist-Induced Changes in Ca ²⁺ Permeation through the Nociceptor Cation Channel TRPA1. <i>Biophysical Journal</i> , 2010, 98, 773-783.	0.5	107
74	Activation of TRPM3 by a potent synthetic ligand reveals a role in peptide release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1363-72.	7.1	105
75	Transient Receptor Potential Channels in Sensory Neurons Are Targets of the Antimycotic Agent Clotrimazole. <i>Journal of Neuroscience</i> , 2008, 28, 576-586.	3.6	103
76	CAPS1 Regulates Catecholamine Loading of Large Dense-Core Vesicles. <i>Neuron</i> , 2005, 46, 75-88.	8.1	101
77	Decavanadate modulates gating of TRPM4 cation channels. <i>Journal of Physiology</i> , 2004, 560, 753-765.	2.9	99
78	Gustatory-mediated avoidance of bacterial lipopolysaccharides via TRPA1 activation in <i>Drosophila</i> . <i>ELife</i> , 2016, 5, .	6.0	88
79	Opening of an alternative ion permeation pathway in a nociceptor TRP channel. <i>Nature Chemical Biology</i> , 2014, 10, 188-195.	8.0	86
80	TRPV4 activation triggers protective responses to bacterial lipopolysaccharides in airway epithelial cells. <i>Nature Communications</i> , 2017, 8, 1059.	12.8	86
81	Crucial Role of Transient Receptor Potential Ankyrin 1 and Mast Cells in Induction of Nonallergic Airway Hyperreactivity in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 486-493.	5.6	85
82	Expression of Human pICln and ClC-6 in <i>Xenopus</i> Oocytes Induces an Identical Endogenous Chloride Conductance. <i>Journal of Biological Chemistry</i> , 1997, 272, 3615-3621.	3.4	84
83	Cholesterol loss during glutamate-mediated excitotoxicity. <i>EMBO Journal</i> , 2012, 31, 1764-1773.	7.8	83
84	Increased β^2 -Adrenergic Inotropy in Ventricular Myocardium From <i>Trpm4</i> ^{−/−} Mice. <i>Circulation Research</i> , 2014, 114, 283-294.	4.5	81
85	TRPs Make Sense. <i>Journal of Membrane Biology</i> , 2003, 192, 1-8.	2.1	79
86	Modulation of TRPs by PIPs. <i>Journal of Physiology</i> , 2007, 582, 939-944.	2.9	79
87	TRP channels in neurogastroenterology: opportunities for therapeutic intervention. <i>British Journal of Pharmacology</i> , 2011, 162, 18-37.	5.4	77
88	Mechanisms of Transient Receptor Potential Vanilloid 1 Activation and Sensitization by Allyl Isothiocyanate. <i>Molecular Pharmacology</i> , 2013, 84, 325-334.	2.3	77
89	Deletion or Inhibition of the Oxygen Sensor PHD1 Protects against Ischemic Stroke via Reprogramming of Neuronal Metabolism. <i>Cell Metabolism</i> , 2016, 23, 280-291.	16.2	77
90	The taste transduction channel TRPM5 is a locus for bitter–sweet taste interactions. <i>FASEB Journal</i> , 2008, 22, 1343-1355.	0.5	74

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91	Functional characterization of a chronic cyclophosphamide-induced overactive bladder model in mice. <i>Neurourology and Urodynamics</i> , 2011, 30, 1659-1665.	1.5	73
92	Influence of temperature on taste perception. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 377-381.	5.4	71
93	TRPM8. , 2007, , 329-344.		70
94	Regulation of the murine TRPP3 channel by voltage, pH, and changes in cell volume. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 457, 795-807.	2.8	70
95	Kinetic and pharmacological properties of the calcium-activated chloride-current in macrovascular endothelial cells. <i>Cell Calcium</i> , 1997, 22, 53-63.	2.4	66
96	Use of a bicistronic GFP-expression vector to characterise ion channels after transfection in mammalian cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 434, 632-638.	2.8	66
97	Transient Receptor Potential Channels and Calcium Signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a035048.	5.5	66
98	Molecular actions of smoking cessation drugs at $\alpha 5 \beta 2$ nicotinic receptors defined in crystal structures of a homologous binding protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9173-9178.	7.1	65
99	The Readily Releasable Pool of Vesicles in Chromaffin Cells Is Replenished in a Temperature-Dependent Manner and Transiently Overfills at 37°C. <i>Journal of Neuroscience</i> , 2000, 20, 8377-8383.	3.6	62
100	Restoration of Progranulin Expression Rescues Cortical Neuron Generation in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia. <i>Stem Cell Reports</i> , 2015, 4, 16-24.	4.8	62
101	Regulation of the transient receptor potential channel TRPM3 by phosphoinositides. <i>Journal of General Physiology</i> , 2015, 146, 51-63.	1.9	62
102	Bimodal effects of cinnamaldehyde and camphor on mouse TRPA1. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 853-864.	2.8	61
103	Differential effects of lipopolysaccharide on mouse sensory TRP channels. <i>Cell Calcium</i> , 2018, 73, 72-81.	2.4	61
104	Regulation of TRP channels: a voltage-lipid connection. <i>Biochemical Society Transactions</i> , 2007, 35, 105-108.	3.4	60
105	Block by fluoxetine of volume-regulated anion channels. <i>British Journal of Pharmacology</i> , 1999, 126, 508-514.	5.4	59
106	TRPM3 in temperature sensing and beyond. <i>Temperature</i> , 2015, 2, 201-213.	3.0	58
107	Trpv5/6 is vital for epithelial calcium uptake and bone formation. <i>FASEB Journal</i> , 2011, 25, 3197-3207.	0.5	57
108	Modulation of Voltage-dependent Properties of a Swelling-activated Cl^{-} Current. <i>Journal of General Physiology</i> , 1997, 110, 313-325.	1.9	56

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109	The Ca ²⁺ -activated cation channel TRPM4 is a negative regulator of angiotensin II-induced cardiac hypertrophy. <i>Basic Research in Cardiology</i> , 2015, 110, 43.	5.9	55
110	Evidence for the intracellular location of chloride channel (ClC)-type proteins: co-localization of ClC-6a and ClC-6c with the sarco/endoplasmic-reticulum Ca ²⁺ pump SERCA2b. <i>Biochemical Journal</i> , 1998, 330, 1015-1021.	3.7	54
111	<scp>TRP</scp> channels in lower urinary tract dysfunction. <i>British Journal of Pharmacology</i> , 2014, 171, 2537-2551.	5.4	54
112	TRP Channel Cooperation for Nociception: Therapeutic Opportunities. <i>Annual Review of Pharmacology and Toxicology</i> , 2021, 61, 655-677.	9.4	54
113	Inhibition of volume-regulated anion channels by expression of the cystic fibrosis transmembrane conductance regulator. <i>Journal of Physiology</i> , 1999, 515, 75-85.	2.9	53
114	Cav3.2 calcium channels: The key protagonist in the supraspinal effect of paracetamol. <i>Pain</i> , 2014, 155, 764-772.	4.2	52
115	Quantifying and Modeling the Temperature-Dependent Gating of TRP Channels. , 2012, 162, 91-119.		50
116	Bladder dysfunction in a transgenic mouse model of multiple system atrophy. <i>Movement Disorders</i> , 2013, 28, 347-355.	3.9	50
117	Invertebrate TRP proteins as functional models for mammalian channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 449, 213-26.	2.8	49
118	Activation of TRPC1 Channel by Metabotropic Glutamate Receptor mGluR5 Modulates Synaptic Plasticity and Spatial Working Memory. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 318.	3.7	48
119	Mouse TRPA1 function and membrane localization are modulated by direct interactions with cholesterol. <i>ELife</i> , 2019, 8, .	6.0	47
120	Voltage-dependent block of endothelial volume-regulated anion channels by calix[4]arenes. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C646-C652.	4.6	45
121	Essential Role of Transient Receptor Potential M8 (TRPM8) in a Model of Acute Cold-induced Urinary Urgency. <i>European Urology</i> , 2015, 68, 655-661.	1.9	45
122	VAMP7 regulates constitutive membrane incorporation of the cold-activated channel TRPM8. <i>Nature Communications</i> , 2016, 7, 10489.	12.8	44
123	Allyl isothiocyanate sensitizes TRPV1 to heat stimulation. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 507-515.	2.8	43
124	Inhibition of angiogenesis by blockers of volume-regulated anion channels. <i>General Pharmacology</i> , 2000, 34, 107-116.	0.7	42
125	TRP channel pores and local calcium signals. <i>Cell Calcium</i> , 2017, 66, 19-24.	2.4	42
126	Intravesical Activation of the Cation Channel TRPV4 Improves Bladder Function in a Rat Model for Detrusor Underactivity. <i>European Urology</i> , 2018, 74, 336-345.	1.9	42

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127	The pore of TRP channels: trivial or neglected?. <i>Cell Calcium</i> , 2003, 33, 299-302.	2.4	41
128	VEGF modulates NMDA receptors activity in cerebellar granule cells through Src-family kinases before synapse formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13782-13787.	7.1	41
129	Modulation of synaptic plasticity and Tau phosphorylation by wild-type and mutant presenilin1. <i>Neurobiology of Aging</i> , 2008, 29, 639-652.	3.1	40
130	TRP Channels and Thermosensation. <i>Handbook of Experimental Pharmacology</i> , 2014, 223, 729-741.	1.8	40
131	TRPM4-dependent post-synaptic depolarization is essential for the induction of NMDA receptor-dependent LTP in CA1 hippocampal neurons. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 593-607.	2.8	38
132	Functional expression of transient receptor potential channels in human endometrial stromal cells during the luteal phase of the menstrual cycle. <i>Human Reproduction</i> , 2015, 30, 1421-1436.	0.9	37
133	Ligand stoichiometry of the cold- and menthol-activated channel TRPM8. <i>Journal of Physiology</i> , 2011, 589, 4827-4835.	2.9	36
134	Functional expression of the mechanosensitive PIEZO1 channel in primary endometrial epithelial cells and endometrial organoids. <i>Scientific Reports</i> , 2019, 9, 1779.	3.3	36
135	Transient receptor potential channels in sensory mechanisms of the lower urinary tract. <i>Nature Reviews Urology</i> , 2021, 18, 139-159.	3.8	34
136	Sensing the heat with TRPM3. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 799-807.	2.8	33
137	Functional expression and pharmacological modulation of TRPM3 in human sensory neurons. <i>British Journal of Pharmacology</i> , 2020, 177, 2683-2695.	5.4	32
138	Gain of channel function and modified gating properties in TRPM3 mutants causing intellectual disability and epilepsy. <i>ELife</i> , 2020, 9, .	6.0	32
139	TRPV4 participates in the establishment of trailing adhesions and directional persistence of migrating cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 2107-2119.	2.8	31
140	Transient receptor potential channel modulators as pharmacological treatments for lower urinary tract symptoms (<sc>LUTS</sc>): myth or reality?. <i>BJU International</i> , 2015, 115, 686-697.	2.5	31
141	Structure of the SthK Carboxy-Terminal Region Reveals a Gating Mechanism for Cyclic Nucleotide-Modulated Ion Channels. <i>PLoS ONE</i> , 2015, 10, e0116369.	2.5	31
142	The Use of Cystometry in Small Rodents: A Study of Bladder Chemosensation. <i>Journal of Visualized Experiments</i> , 2012, , e3869.	0.3	30
143	Cinnamaldehyde inhibits L-type calcium channels in mouse ventricular cardiomyocytes and vascular smooth muscle cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 2089-2099.	2.8	30
144	Differential interactions of bacterial lipopolysaccharides with lipid membranes: implications for TRPA1-mediated chemosensation. <i>Scientific Reports</i> , 2018, 8, 12010.	3.3	30

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145	Multiple Types of Chloride Channels in Bovine Pulmonary Artery Endothelial Cells. <i>Journal of Vascular Research</i> , 1997, 34, 220-228.	1.4	29
146	Differential Effects of Bitter Compounds on the Taste Transduction Channels TRPM5 and IP3 Receptor Type 3. <i>Chemical Senses</i> , 2014, 39, 295-311.	2.0	29
147	Mutations in the voltage-sensing domain affect the alternative ion permeation pathway in the TRPM3 channel. <i>Journal of Physiology</i> , 2018, 596, 2413-2432.	2.9	29
148	Potent block of volume-activated chloride currents in endothelial cells by the uncharged form of quinine and quinidine. <i>British Journal of Pharmacology</i> , 1996, 118, 1869-1871.	5.4	28
149	Inhibition by inositoltetrakisphosphates of calcium- and volume-activated Cl ⁻ currents in macrovascular endothelial cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 435, 637-644.	2.8	27
150	A TRP channel-steroid marriage. <i>Nature Cell Biology</i> , 2008, 10, 1383-1384.	10.3	26
151	TRPCs, GPCRs and the Bayliss effect. <i>EMBO Journal</i> , 2009, 28, 4-5.	7.8	26
152	GIS-based assessment of the biomass potential from phytoremediation of contaminated agricultural land in the Campine region in Belgium. <i>Biomass and Bioenergy</i> , 2011, 35, 4469-4480.	5.7	26
153	Definition of two agonist types at the mammalian cold-activated channel TRPM8. <i>ELife</i> , 2016, 5, .	6.0	25
154	Alternative splicing of CIC-6 (a member of the CIC chloride-channel family) transcripts generates three truncated isoforms one of which, CIC-6c, is kidney-specific. <i>Biochemical Journal</i> , 1997, 325, 269-276.	3.7	24
155	Crucial Role of TRPC1 and TRPC4 in Cystitis-Induced Neuronal Sprouting and Bladder Overactivity. <i>PLoS ONE</i> , 2013, 8, e69550.	2.5	24
156	Store-independent coupling between the Secretory Pathway Ca ²⁺ transport ATPase SPCA1 and Orai1 in Golgi stress and Hailey-Hailey disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 855-862.	4.1	23
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