Bernd Nilius

List of Publications by Year
in descending order

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318	36,366	2091	4217
papers	citations	103 h-index	180 g-index

398	398	398	21898
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transient Receptor Potential Cation Channels in Disease. Physiological Reviews, 2007, 87, 165-217.	13.1	1,260
2	The principle of temperature-dependent gating in cold- and heat-sensitive TRP channels. Nature, 2004, 430, 748-754.	13.7	922
3	Anandamide and arachidonic acid use epoxyeicosatrienoic acids to activate TRPV4 channels. Nature, 2003, 424, 434-438.	13.7	895
4	Ion Channels and Their Functional Role in Vascular Endothelium. Physiological Reviews, 2001, 81, 1415-1459.	13.1	792
5	Calcium Absorption Across Epithelia. Physiological Reviews, 2005, 85, 373-422.	13.1	746
6	The transient receptor potential family of ion channels. Genome Biology, 2011, 12, 218.	13.9	707
7	TRP channels: An overview. Cell Calcium, 2005, 38, 233-252.	1.1	688
8	Heat-evoked Activation of TRPV4 Channels in a HEK293 Cell Expression System and in Native Mouse Aorta Endothelial Cells. Journal of Biological Chemistry, 2002, 277, 47044-47051.	1.6	580
9	TRPM6 Forms the Mg2+ Influx Channel Involved in Intestinal and Renal Mg2+ Absorption. Journal of Biological Chemistry, 2004, 279, 19-25.	1.6	552
10	Lack of an endothelial store-operated Ca2+ current impairs agonist-dependent vasorelaxation in TRP4â^'/â^' mice. Nature Cell Biology, 2001, 3, 121-127.	4.6	533
11	Activation of TRPV4 Channels (hVRL-2/mTRP12) by Phorbol Derivatives. Journal of Biological Chemistry, 2002, 277, 13569-13577.	1.6	519
12	PERMEATION AND SELECTIVITY OF TRP CHANNELS. Annual Review of Physiology, 2006, 68, 685-717.	5.6	505
13	TRPA1 acts as a cold sensor in vitro and in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1273-1278.	3.3	503
14	TRPM3 Is a Nociceptor Channel Involved in the Detection of Noxious Heat. Neuron, 2011, 70, 482-494.	3.8	454
15	Transient Receptor Potential Channels as Drug Targets: From the Science of Basic Research to the Art of Medicine. Pharmacological Reviews, 2014, 66, 676-814.	7.1	440
16	Bimodal Action of Menthol on the Transient Receptor Potential Channel TRPA1. Journal of Neuroscience, 2007, 27, 9874-9884.	1.7	438
17	Heat activation of TRPM5 underlies thermal sensitivity of sweet taste. Nature, 2005, 438, 1022-1025.	13.7	408
18	TRPV4 calcium entry channel: a paradigm for gating diversity. American Journal of Physiology - Cell Physiology, 2004, 286, C195-C205.	2.1	401

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19	Pharmacology of Vanilloid Transient Receptor Potential Cation Channels. Molecular Pharmacology, 2009, 75, 1262-1279.	1.0	366
20	Inhibition of the cation channel TRPV4 improves bladder function in mice and rats with cyclophosphamide-induced cystitis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19084-19089.	3.3	351
21	TRPP2 and TRPV4 form a polymodal sensory channel complex. Journal of Cell Biology, 2008, 182, 437-447.	2.3	349
22	The Role of Transient Receptor Potential Cation Channels in Ca2+ Signaling. Cold Spring Harbor Perspectives in Biology, 2010, 2, a003962-a003962.	2.3	344
23	Properties of volume-regulated anion channels in mammalian cells. Progress in Biophysics and Molecular Biology, 1997, 68, 69-119.	1.4	331
24	Sensing with TRP channels. Nature Chemical Biology, 2005, 1, 85-92.	3.9	323
25	Gain-of-function mutations in TRPV4 cause autosomal dominant brachyolmia. Nature Genetics, 2008, 40, 999-1003.	9.4	320
26	Peripheral thermosensation in mammals. Nature Reviews Neuroscience, 2014, 15, 573-589.	4.9	304
27	Voltage Dependence of the Ca2+-activated Cation Channel TRPM4. Journal of Biological Chemistry, 2003, 278, 30813-30820.	1.6	302
28	The vanilloid transient receptor potential channel TRPV4: From structure to disease. Progress in Biophysics and Molecular Biology, 2010, 103, 2-17.	1.4	295
29	TRPV4: Molecular Conductor of a Diverse Orchestra. Physiological Reviews, 2016, 96, 911-973.	13.1	295
30	Permeation and Gating Properties of the Novel Epithelial Ca2+ Channel. Journal of Biological Chemistry, 2000, 275, 3963-3969.	1.6	288
31	The transient receptor potential channel TRPA1: from gene to pathophysiology. Pflugers Archiv European Journal of Physiology, 2012, 464, 425-458.	1.3	287
32	Deletion of the transient receptor potential cation channel TRPV4 impairs murine bladder voiding. Journal of Clinical Investigation, 2007, 117, 3453-3462.	3.9	283
33	Molecular Determinants of Permeation through the Cation Channel TRPV4. Journal of Biological Chemistry, 2002, 277, 33704-33710.	1.6	270
34	The Ca2+-activated cation channel TRPM4 is regulated by phosphatidylinositol 4,5-biphosphate. EMBO Journal, 2006, 25, 467-478.	3.5	268
35	TRP channels in disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 805-812.	1.8	265
36	Oxaliplatin elicits mechanical and cold allodynia in rodents via TRPA1 receptor stimulation. Pain, 2011, 152, 1621-1631.	2.0	264

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37	TRPs in Our Senses. Current Biology, 2008, 18, R880-R889.	1.8	261
38	TRPV4-Mediated Calcium Influx Regulates Terminal Differentiation of Osteoclasts. Cell Metabolism, 2008, 8, 257-265.	7.2	260
39	ION CHANNELS IN VASCULAR ENDOTHELIUM. Annual Review of Physiology, 1997, 59, 145-170.	5.6	257
40	Functional expression of the epithelial Ca2+ channels (TRPV5 and TRPV6) requires association of the S100A10-annexin 2 complex. EMBO Journal, 2003, 22, 1478-1487.	3.5	253
41	Regulation of the Ca2+ Sensitivity of the Nonselective Cation Channel TRPM4. Journal of Biological Chemistry, 2005, 280, 6423-6433.	1.6	252
42	The puzzle of TRPV4 channelopathies. EMBO Reports, 2013, 14, 152-163.	2.0	252
43	TRPM8 voltage sensor mutants reveal a mechanism for integrating thermal and chemical stimuli. Nature Chemical Biology, 2007, 3, 174-182.	3.9	249
44	Increased IgE-dependent mast cell activation and anaphylactic responses in mice lacking the calcium-activated nonselective cation channel TRPM4. Nature Immunology, 2007, 8, 312-320.	7.0	245
45	Gating of TRP channels: a voltage connection?. Journal of Physiology, 2005, 567, 35-44.	1.3	244
46	Mammalian Transient Receptor Potential TRPA1 Channels: From Structure to Disease. Physiological Reviews, 2020, 100, 725-803.	13.1	236
47	Molecular Mechanism of Active Ca2+Reabsorption in the Distal Nephron. Annual Review of Physiology, 2002, 64, 529-549.	5.6	221
48	Comparison of functional properties of the Ca2+-activated cation channels TRPM4 and TRPM5 from mice. Cell Calcium, 2005, 37, 267-278.	1.1	215
49	Nicotine activates the chemosensory cation channel TRPA1. Nature Neuroscience, 2009, 12, 1293-1299.	7.1	214
50	CaT1 and the Calcium Release-activated Calcium Channel Manifest Distinct Pore Properties. Journal of Biological Chemistry, 2001, 276, 47767-47770.	1.6	212
51	TRP channels: a TR(I)P through a world of multifunctional cation channels. Pflugers Archiv European Journal of Physiology, 2005, 451, 1-10.	1.3	204
52	De novo expression of Trpm4 initiates secondary hemorrhage in spinal cord injury. Nature Medicine, 2009, 15, 185-191.	15.2	199
53	Activation of the cold-sensing TRPM8 channel triggers UCP1-dependent thermogenesis and prevents obesity. Journal of Molecular Cell Biology, 2012, 4, 88-96.	1.5	193
54	TRPA1 and TRPV4 mediate paclitaxel-induced peripheral neuropathy in mice via a glutathione-sensitive mechanism. Pflugers Archiv European Journal of Physiology, 2012, 463, 561-569.	1.3	190

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55	The Capsaicin Receptor TRPV1 Is a Crucial Mediator of the Noxious Effects of Mustard Oil. Current Biology, 2011, 21, 316-321.	1.8	189
56	The epithelial calcium channels, TRPV5 & TRPV6: from identification towards regulation. Cell Calcium, 2003, 33, 497-507.	1.1	187
57	Loss of high-frequency glucose-induced Ca ²⁺ oscillations in pancreatic islets correlates with impaired glucose tolerance in Trpm5 ^{â^'/â^'} mice. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5208-5213.	3.3	187
58	Vanilloid Transient Receptor Potential Cation Channels: An Overview. Current Pharmaceutical Design, 2008, 14, 18-31.	0.9	180
59	Transient Receptor Potential Channels in Endothelium: Solving the Calcium Entry Puzzle?. Endothelium: Journal of Endothelial Cell Research, 2003, 10, 5-15.	1.7	174
60	Mutations in the Gene Encoding the Calcium-Permeable Ion Channel TRPV4 Produce Spondylometaphyseal Dysplasia, Kozlowski Type and Metatropic Dysplasia. American Journal of Human Genetics, 2009, 84, 307-315.	2.6	173
61	PACSINs Bind to the TRPV4 Cation Channel. Journal of Biological Chemistry, 2006, 281, 18753-18762.	1.6	166
62	Volume-activated Clâ^' channels. General Pharmacology, 1996, 27, 1131-1140.	0.7	165
63	Properties of heterologously expressed hTRP3 channels in bovine pulmonary artery endothelial cells. Journal of Physiology, 1999, 518, 345-358.	1.3	165
64	Role of cytochrome P450-dependent transient receptor potential V4 activation in flow-induced vasodilatation. Cardiovascular Research, 2008, 80, 445-452.	1.8	165
65	The â€˜headache treeâ€™ via umbellulone and TRPA1 activates the trigeminovascular system. Brain, 2012, 135, 376-390.	3.7	163
66	DCPIB is a novel selective blocker of I Cl,swell and prevents swelling-induced shortening of guinea-pig atrial action potential duration. British Journal of Pharmacology, 2001, 134, 1467-1479.	2.7	161
67	The Single Pore Residue Asp542 Determines Ca2+ Permeation and Mg2+ Block of the Epithelial Ca2+ Channel. Journal of Biological Chemistry, 2001, 276, 1020-1025.	1.6	161
68	Differential expression of volumeâ€•regulated anion channels during cell cycle progression of human cervical cancer cells. Journal of Physiology, 2000, 529, 385-394.	1.3	156
69	Herbal Compounds and Toxins Modulating TRP Channels. Current Neuropharmacology, 2008, 6, 79-96.	1.4	155
70	Neuronal TRP channels: thermometers, pathfinders and life-savers. Trends in Neurosciences, 2008, 31, 287-295.	4.2	152
71	Transient receptor potential channels meet phosphoinositides. EMBO Journal, 2008, 27, 2809-2816.	3.5	147
72	TRPV1 activation improves exercise endurance and energy metabolism through PGC-1Î± upregulation in mice. Cell Research, 2012, 22, 551-564.	5.7	147

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73	Regulation of a swelling-activated chloride current in bovine endothelium by protein tyrosine phosphorylation and G proteins. Journal of Physiology, 1998, 506, 341-352.	1.3	145
74	Wholeâ€cell and single channel monovalent cation currents through the novel rabbit epithelial Ca 2+ channel ECaC. Journal of Physiology, 2000, 527, 239-248.	1.3	145
75	Mg2+-dependent Gating and Strong Inward Rectification of the Cation Channel TRPV6. Journal of General Physiology, 2003, 121, 245-260.	0.9	143
76	Biophysics and Physiology of the Volume-Regulated Anion Channel (VRAC)/Volume-Sensitive Outwardly Rectifying Anion Channel (VSOR). Pflugers Archiv European Journal of Physiology, 2016, 468, 371-383.	1.3	139
77	Transient receptor potential channelopathies. Pflugers Archiv European Journal of Physiology, 2010, 460, 437-450.	1.3	137
78	TRP Channels in Disease. Science Signaling, 2005, 2005, re8-re8.	1.6	135
79	Functional characterization of transient receptor potential channels in mouse urothelial cells. American Journal of Physiology - Renal Physiology, 2010, 298, F692-F701.	1.3	135
80	<scp>TRP</scp> Channels. , 2012, 2, 563-608.		134
81	Sensing pressure with ion channels. Trends in Neurosciences, 2012, 35, 477-486.	4.2	134
82	Increased catecholamine secretion contributes to hypertension in TRPM4-deficient mice. Journal of Clinical Investigation, 2010, 120, 3267-3279.	3.9	134
83	The TRPV4 channel: structure-function relationship and promiscuous gating behaviour. Pflugers Archiv European Journal of Physiology, 2003, 446, 298-303.	1.3	132
84	Role of Rho and Rho kinase in the activation of volume-regulated anion channels in bovine endothelial cells. Journal of Physiology, 1999, 516, 67-74.	1.3	128
85	Regulation of the Mouse Epithelial Ca2+ Channel TRPV6 by the Ca2+-sensor Calmodulin. Journal of Biological Chemistry, 2004, 279, 28855-28861.	1.6	126
86	Intracellular nucleotides and polyamines inhibit the Ca 2+ -activated cation channel TRPM4b. Pflugers Archiv European Journal of Physiology, 2004, 448, 70-75.	1.3	125
87	Calbindin-D28K dynamically controls TRPV5-mediated Ca2+ transport. EMBO Journal, 2006, 25, 2978-2988.	3.5	125
88	Spices: The Savory and Beneficial Science of Pungency. Reviews of Physiology, Biochemistry and Pharmacology, 2013, 164, 1-76.	0.9	125
89	Blockers of volume-activated Cl? currents inhibit endothelial cell proliferation. Pflugers Archiv European Journal of Physiology, 1995, 431, 132-134.	1.3	124
90	Differential activation of the volume-sensitive cation channel TRP12 (OTRPC4) and volume-regulated anion currents in HEK-293 cells. Pflugers Archiv European Journal of Physiology, 2001, 443, 227-233.	1.3	120

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91	The Selectivity Filter of the Cation Channel TRPM4. Journal of Biological Chemistry, 2005, 280, 22899-22906.	1.6	120
92	Determinants of 4Î±-Phorbol Sensitivity in Transmembrane Domains 3 and 4 of the Cation Channel TRPV4. Journal of Biological Chemistry, 2007, 282, 12796-12803.	1.6	119
93	Transient Receptor Potential Channels in Mechanosensing and Cell Volume Regulation. Methods in Enzymology, 2007, 428, 183-207.	0.4	119
94	Modulation of TRPV4 gating by intra- and extracellular Ca2+. Cell Calcium, 2003, 33, 489-495.	1.1	118
95	On the origin of bladder sensing: Tr(i)ps in urology. Neurourology and Urodynamics, 2008, 27, 264-273.	0.8	117
96	Inhibition by mibefradil, a novel calcium channel antagonist, of Ca2+ - and volume-activated Clâ^' channels in macrovascular endothelial cells. British Journal of Pharmacology, 1997, 121, 547-555.	2.7	115
97	Outer Pore Architecture of a Ca2+-selective TRP Channel. Journal of Biological Chemistry, 2004, 279, 15223-15230.	1.6	115
98	Irritating channels: the case of TRPA1. Journal of Physiology, 2011, 589, 1543-1549.	1.3	115
99	TRPM8-independent Menthol-induced Ca2+ Release from Endoplasmic Reticulum and Golgi. Journal of Biological Chemistry, 2007, 282, 3325-3336.	1.6	112
100	Modulation of the transient receptor potential channel TRPA1 by phosphatidylinositol 4,5-biphosphate manipulators. Pflugers Archiv European Journal of Physiology, 2008, 457, 77-89.	1.3	111
101	Stimulus-specific Modulation of the Cation Channel TRPV4 by PACSIN 3. Journal of Biological Chemistry, 2008, 283, 6272-6280.	1.6	110
102	Activation of volume-regulated chloride currents by reduction of intracellular ionic strength in bovine endothelial cells. Journal of Physiology, 1998, 506, 353-361.	1.3	109
103	TRPV3: time to decipher a poorly understood family member!. Journal of Physiology, 2014, 592, 295-304.	1.3	108
104	Biophysics and structureâ€“function relationship of T-type Ca2+ channels. Cell Calcium, 2006, 40, 97-114.	1.1	107
105	Agonist-Induced Changes in Ca2+ Permeation through the Nociceptor Cation Channel TRPA1. Biophysical Journal, 2010, 98, 773-783.	0.2	107
106	Pharmacological modulation of monovalent cation currents through the epithelial Ca2+ channel ECaC1. British Journal of Pharmacology, 2001, 134, 453-462.	2.7	106
107	Regulation of transient receptor potential (TRP) channels by phosphoinositides. Pflugers Archiv European Journal of Physiology, 2007, 455, 157-168.	1.3	104
108	TRPV channels and modulation by hepatocyte growth factor/scatter factor in human hepatoblastoma (HepG2) cells. Cell Calcium, 2004, 36, 19-28.	1.1	103

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109	Transient Receptor Potential Channels in Sensory Neurons Are Targets of the Antimycotic Agent Clotrimazole. Journal of Neuroscience, 2008, 28, 576-586.	1.7	103
110	HGF/SF and menthol increase human glioblastoma cell calcium and migration. Biochemical and Biophysical Research Communications, 2008, 372, 210-215.	1.0	102
111	Mibefradil (Ro 40m5967) blocks multiple types of voltage-gated calcium channels in cultured rat spinal motoneurones. Cell Calcium, 1997, 22, 299-311.	1.1	100
112	Decavanadate modulates gating of TRPM4 cation channels. Journal of Physiology, 2004, 560, 753-765.	1.3	99
113	TRPM4 regulates migration of mast cells in mice. Cell Calcium, 2009, 45, 226-232.	1.1	99
114	Cellular Function and Control of Volume-Regulated Anion Channels. Cell Biochemistry and Biophysics, 2001, 35, 263-274.	0.9	96
115	Volume-activated Clâ˜ currents in different mammalian non-excitable cell types. Pflugers Archiv European Journal of Physiology, 1994, 428, 364-371.	1.3	94
116	Dominant TRPV4 mutations in nonlethal and lethal metatropic dysplasia. American Journal of Medical Genetics, Part A, 2010, 152A, 1169-1177.	0.7	93
117	Molecular functions of anoctamin 6 (TMEM16F): a chloride channel, cation channel, or phospholipid scramblase?. Pflugers Archiv European Journal of Physiology, 2014, 466, 407-414.	1.3	93
118	Fast and Slow Inactivation Kinetics of the Ca2+Channels ECaC1 and ECaC2 (TRPV5 and TRPV6). Journal of Biological Chemistry, 2002, 277, 30852-30858.	1.6	92
119	Store depletion triggers the calcium release-activated calcium current (I CRAC) in macrovascular endothelial cells: a comparison with Jurkat and embryonic kidney cell lines. Pflugers Archiv European Journal of Physiology, 1998, 436, 69-74.	1.3	90
120	Epithelial calcium channels: from identification to function and regulation. Pflugers Archiv European Journal of Physiology, 2003, 446, 304-308.	1.3	90
121	Thapsigargin discharges intracellular calcium stores and induces transmembrane currents in human endothelial cells. Pflugers Archiv European Journal of Physiology, 1993, 422, 552-557.	1.3	86
122	TRP channels and mechanosensory transduction: insights into the arterial myogenic response. Pflugers Archiv European Journal of Physiology, 2008, 456, 529-540.	1.3	86
123	Opening of an alternative ion permeation pathway in a nociceptor TRP channel. Nature Chemical Biology, 2014, 10, 188-195.	3.9	86
124	Expression of Human pICln and ClC-6 in Xenopus Oocytes Induces an Identical Endogenous Chloride Conductance. Journal of Biological Chemistry, 1997, 272, 3615-3621.	1.6	84
125	Caveolin-1 modulates the activity of the volume-regulated chloride channel. Journal of Physiology, 1999, 520, 113-119.	1.3	83
126	From TRPs to SOCs, CCEs, and CRACs: consensus and controversies. Cell Calcium, 2003, 33, 293-298.	1.1	83

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127	Shear stress induced membrane currents and calcium transients in human vascular endothelial cells. Pflugers Archiv European Journal of Physiology, 1992, 421, 394-396.	1.3	81
128	Increased Î²-Adrenergic Inotropy in Ventricular Myocardium From Trpm4 ^{â^'/â^'} Mice. Circulation Research, 2014, 114, 283-294.	2.0	81
129	Where is TRPV1 expressed in the bladder, do we see the real channel?. Naunyn-Schmiedeberg's Archives of Pharmacology, 2009, 379, 421-425.	1.4	80
130	Modulation of TRPs by PIPs. Journal of Physiology, 2007, 582, 939-944.	1.3	79
131	Mechanisms of Transient Receptor Potential Vanilloid 1 Activation and Sensitization by Allyl Isothiocyanate. Molecular Pharmacology, 2013, 84, 325-334.	1.0	77
132	The Sur1-Trpm4 channel regulates NOS2 transcription in TLR4-activated microglia. Journal of Neuroinflammation, 2016, 13, 130.	3.1	75
133	The taste transduction channel TRPM5 is a locus for bitterâ€sweet taste interactions. FASEB Journal, 2008, 22, 1343-1355.	0.2	74
134	Pore properties and ionic block of the rabbit epithelial calcium channel expressed in HEK 293 cells. Journal of Physiology, 2001, 530, 183-191.	1.3	73
135	Channelopathies converge on TRPV4. Nature Genetics, 2010, 42, 98-100.	9.4	71
136	Depletion of Intracellular Ca ²⁺ Stores Stimulates the Translocation of Vanilloid Transient Receptor Potential 4-C1 Heteromeric Channels to the Plasma Membrane. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2249-2255.	1.1	71
137	Annexin II Modulates Volume-activated Chloride Currents in Vascular Endothelial Cells. Journal of Biological Chemistry, 1996, 271, 30631-30636.	1.6	70
138	(Patho)physiological implications of the novel epithelial Ca2+ channels TRPV5 and TRPV6. Pflugers Archiv European Journal of Physiology, 2003, 446, 401-409.	1.3	70
139	Regulation of the murine TRPP3 channel by voltage, pH, and changes in cell volume. Pflugers Archiv European Journal of Physiology, 2009, 457, 795-807.	1.3	70
140	The Annexin II-p11 Complex Is Involved in Regulated Exocytosis in Bovine Pulmonary Artery Endothelial Cells. Journal of Biological Chemistry, 1998, 273, 19679-19684.	1.6	68
141	A Natural Dominant Negative P2X1 Receptor Due to Deletion of a Single Amino Acid Residue. Journal of Biological Chemistry, 2000, 275, 22611-22614.	1.6	68
142	Dietary capsaicin prevents nonalcoholic fatty liver disease through transient receptor potential vanilloid 1-mediated peroxisome proliferator-activated receptor Î´ activation. Pflugers Archiv European Journal of Physiology, 2013, 465, 1303-1316.	1.3	68
143	TRPM4 inhibition promotes angiogenesis after ischemic stroke. Pflugers Archiv European Journal of Physiology, 2014, 466, 563-576.	1.3	68
144	<scp>TRPV</scp>3: a â€˜more than skinnyâ€™ channel. Experimental Dermatology, 2013, 22, 447-452.	1.4	67

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145	Permeation properties and modulation of volumeâ€activated Cl^{â^'}â€currents in human endothelial cells. British Journal of Pharmacology, 1994, 112, 1049-1056.	2.7	66
146	Kinetic and pharmacological properties of the calciumm-activated chloride-current in macrovascular endothelial cells. Cell Calcium, 1997, 22, 53-63.	1.1	66
147	Use of a bicistronic GFP-expression vector to characterise ion channels after transfection in mammalian cells. Pflugers Archiv European Journal of Physiology, 1997, 434, 632-638.	1.3	66
148	Modulation of the Transient Receptor Potential Vanilloid Channel TRPV4 by 4Î±-Phorbol Esters: A Structureâ^'Activity Study. Journal of Medicinal Chemistry, 2009, 52, 2933-2939.	2.9	66
149	Sodium current in single myocardial mouse cells. Pflugers Archiv European Journal of Physiology, 1985, 404, 190-196.	1.3	65
150	80K-H as a New Ca2+ Sensor Regulating the Activity of the Epithelial Ca2+ Channel Transient Receptor Potential Cation Channel V5 (TRPV5). Journal of Biological Chemistry, 2004, 279, 26351-26357.	1.6	65
151	Molecular determinants of permeation through the cation channel TRPM6. Cell Calcium, 2007, 41, 513-523.	1.1	62
152	Histamine-activated, non-selective cation currents and Ca2+ transients in endothelial cells from human umbilical vein. Pflugers Archiv European Journal of Physiology, 1993, 424, 285-293.	1.3	61
153	Mechanical stress induces release of ATP from Ehrlich ascites tumor cells. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1416, 271-284.	1.4	61
154	Aspartate Residues of the Glu-Glu-Asp-Asp (EEDD) Pore Locus Control Selectivity and Permeation of the T-type Ca2+Channel Î±1G. Journal of Biological Chemistry, 2001, 276, 45628-45635.	1.6	61
155	RhoA exerts a permissive effect on volume-regulated anion channels in vascular endothelial cells. American Journal of Physiology - Cell Physiology, 2002, 283, C115-C125.	2.1	61
156	Transient Receptor Potential Cation Channels in Pancreatic Î² Cells. Reviews of Physiology, Biochemistry and Pharmacology, 2011, 161, 87-110.	0.9	61
157	Bimodal effects of cinnamaldehyde and camphor on mouse TRPA1. Pflugers Archiv European Journal of Physiology, 2013, 465, 853-864.	1.3	61
158	Inhibition of Volume-Regulated Anion Channels by Dominant-Negative Caveolin-1. Biochemical and Biophysical Research Communications, 2001, 284, 461-465.	1.0	60
159	Block by fluoxetine of volume-regulated anion channels. British Journal of Pharmacology, 1999, 126, 508-514.	2.7	59
160	TRPs in the Brain. , 2012, 163, 27-64.		59
161	TRPV1 activation prevents nonalcoholic fatty liver through UCP2 upregulation in mice. Pflugers Archiv European Journal of Physiology, 2012, 463, 727-732.	1.3	59
162	ECaC: the gatekeeper of transepithelial Ca2+ transport. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2002, 1600, 6-11.	1.1	58

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163	Modulation of Voltage-dependent Properties of a Swelling-activated Clâ^' Current. Journal of General Physiology, 1997, 110, 313-325.	0.9	56
164	Sulphonic acid derivatives as probes of pore properties of volume-regulated anion channels in endothelial cells. British Journal of Pharmacology, 1999, 128, 35-40.	2.7	56
165	The carboxyl terminus of the epithelial Ca2+ channel ECaC1 is involved in Ca2+-dependent inactivation. Pflugers Archiv European Journal of Physiology, 2003, 445, 584-588.	1.3	56
166	Evidence for the intracellular location of chloride channel (ClC)-type proteins: co-localization of ClC-6a and ClC-6c with the sarco/endoplasmic-reticulum Ca2+ pump SERCA2b. Biochemical Journal, 1998, 330, 1015-1021.	1.7	54
167	Inhibition of volume-regulated anion channels by expression of the cystic fibrosis transmembrane conductance regulator. Journal of Physiology, 1999, 515, 75-85.	1.3	53
168	The amino side of the Câ€terminus determines fast inactivation of the Tâ€type calcium channel Î± 1G. Journal of Physiology, 2001, 530, 35-45.	1.3	53
169	Mechanism of Arachidonic Acid Modulation of the T-type Ca2+ Channel Îą1G. Journal of General Physiology, 2004, 124, 225-238.	0.9	52
170	Modulation of the epithelial Ca 2+ channel ECaC by extracellular pH. Pflugers Archiv European Journal of Physiology, 2001, 442, 237-242.	1.3	51
171	Ligustilide: a novel TRPA1 modulator. Pflugers Archiv European Journal of Physiology, 2011, 462, 841-849.	1.3	51
172	Chloride channels go cell cycling. Journal of Physiology, 2001, 532, 581-581.	1.3	49
173	Invertebrate TRP proteins as functional models for mammalian channels. Pflugers Archiv European Journal of Physiology, 2004, 449, 213-26.	1.3	49
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