Bernd Nilius

List of Publications by Year
in descending order

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317 papers	36,366 citations	1799 103 h-index	3650 180 g-index
398 all docs	398 docs citations	398 times ranked	20066 citing authors

#	Article	IF	Citations
1	TRPM4 inhibition by meclofenamate suppresses Ca2+-dependent triggered arrhythmias. European Heart Journal, 2022, 43, 4195-4207.	2.2	15
2	Development and characterization of a monoclonal antibody blocking human TRPM4 channel. Scientific Reports, 2021, 11, 10411.	3.3	9
3	Mammalian Transient Receptor Potential TRPA1 Channels: From Structure to Disease. Physiological Reviews, 2020, 100, 725-803.	28.8	236
4	Comparison of Anti-oncotic Effect of TRPM4 Blocking Antibody in Neuron, Astrocyte and Vascular Endothelial Cell Under Hypoxia. Frontiers in Cell and Developmental Biology, 2020, 8, 562584.	3.7	16
5	BH4 activates CaMKK2 and rescues the cardiomyopathic phenotype in rodent models of diabetes. Life Science Alliance, 2020, 3, e201900619.	2.8	10
6	Tetrahydrobiopterin enhances mitochondrial biogenesis and cardiac contractility via stimulation of PGC1Î± signaling. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 165524.	3.8	12
7	TRPM4-specific blocking antibody attenuates reperfusion injury in a rat model of stroke. Pflugers Archiv European Journal of Physiology, 2019, 471, 1455-1466.	2.8	25
8	Non-Invasive Multimodality Imaging Directly Shows TRPM4 Inhibition Ameliorates Stroke Reperfusion Injury. Translational Stroke Research, 2019, 10, 91-103.	4.2	31
9	Mouse TRPA1 function and membrane localization are modulated by direct interactions with cholesterol. ELife, 2019, 8, .	6.0	47
10	TRPV4 Stimulation Releases ATP via Pannexin Channels in Human Pulmonary Fibroblasts. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 87-95.	2.9	29
11	Gaseous Signaling Molecules in Cardiovascular Function: From Mechanisms to Clinical Translation. Reviews of Physiology, Biochemistry and Pharmacology, 2018, 174, 81-156.	1.6	24
12	Current and upcoming mitochondrial targets for cancer therapy. Seminars in Cancer Biology, 2017, 47, 154-167.	9.6	41
13	Treatment of hypertension by increasing impaired endothelial <scp>TRPV</scp> 4â€•<scp>KC</scp> a2.3 interaction. EMBO Molecular Medicine, 2017, 9, 1491-1503.	6.9	30
14	REPLY TO THORNELOE ET AL.. Physiological Reviews, 2017, 97, 1233-1234.	28.8	0
15	The asparagine 533 residue in the outer pore loop region of the mouse PKD2L1 channel is essential for its voltage-dependent inactivation. FEBS Open Bio, 2017, 7, 1392-1401.	2.3	4
16	Cereblon in health and disease. Pflugers Archiv European Journal of Physiology, 2016, 468, 1299-1309.	2.8	43
17	TRPV4 is associated with central rather than nephrogenic osmoregulation. Pflugers Archiv European Journal of Physiology, 2016, 468, 1595-1607.	2.8	21
18	Electrophysiological characterization of voltage-dependent calcium currents and TRPV4 currents in human pulmonary fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L603-L614.	2.9	11

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19	The Sur1-Trpm4 channel regulates NOS2 transcription in TLR4-activated microglia. Journal of Neuroinflammation, 2016, 13, 130.	7.2	75
20	TRPV4 participates in pressureâ€induced inhibition of renin secretion by juxtaglomerular cells. Journal of Physiology, 2016, 594, 7327-7340.	2.9	16
21	TRPV4: Molecular Conductor of a Diverse Orchestra. Physiological Reviews, 2016, 96, 911-973.	28.8	295
22	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.	2.8	139
23	Molecular physiology of anion channels: dual function proteins and new structural motifsâ€"a special issue. Pflugers Archiv European Journal of Physiology, 2016, 468, 369-370.	2.8	2
24	Cardiac Response to Oxidative Stress Induced by Mitochondrial Dysfunction. Reviews of Physiology, Biochemistry and Pharmacology, 2016, 170, 101-127.	1.6	21
25	TRPM4-dependent post-synaptic depolarization is essential for the induction of NMDA receptor-dependent LTP in CA1 hippocampal neurons. Pflugers Archiv European Journal of Physiology, 2016, 468, 593-607.	2.8	38
26	<scp>VRAC</scp> s swallow platinum drugs. EMBO Journal, 2015, 34, 2985-2987.	7.8	8
27	An Editorâ€™s farewell!. Pflugers Archiv European Journal of Physiology, 2015, 467, 2399-2400.	2.8	0
28	Examination of Single Nucleotide Polymorphisms (SNPs) in Transient Receptor Potential (TRP) Ion Channels in Chronic Fatigue Syndrome Patients. Immunology and Immunogenetics Insights, 2015, 7, III.S25147.	1.0	11
29	Echinochrome A regulates phosphorylation of phospholamban Ser16 and Thr17 suppressing cardiac SERCA2A Ca2+ reuptake. Pflugers Archiv European Journal of Physiology, 2015, 467, 2151-2163.	2.8	21
30	Different Ligands of the TRPV3 Cation Channel Cause Distinct Conformational Changes as Revealed by Intrinsic Tryptophan Fluorescence Quenching. Journal of Biological Chemistry, 2015, 290, 12964-12974.	3.4	7
31	Transient Receptor Potential Dysfunctions in Hereditary Diseases. , 2015, , 13-33.		3
32	Are Brain TRPs Viable Targets for Curing Neurodegenerative Disorders and Improving Mental Health?. , 2015, , 419-456.		6
33	Interaction of SiO2 nanoparticles with neuronal cells: Ionic mechanisms involved in the perturbation of calcium homeostasis. International Journal of Biochemistry and Cell Biology, 2015, 66, 101-111.	2.8	32
34	Transient Receptor Potential Vanilloid 1 Activation by Dietary Capsaicin Promotes Urinary Sodium Excretion by Inhibiting Epithelial Sodium Channel Î± Subunitâ€"Mediated Sodium Reabsorption. Hypertension, 2014, 64, 397-404.	2.7	42
35	Eduard Friedrich Wilhelm PflÃ¼ger and the Nobel Prize. Pflugers Archiv European Journal of Physiology, 2014, 466, 2019-2020.	2.8	2
36	TRPV3: time to decipher a poorly understood family member!. Journal of Physiology, 2014, 592, 295-304.	2.9	108

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37	Allyl isothiocyanate sensitizes TRPV1 to heat stimulation. Pflugers Archiv European Journal of Physiology, 2014, 466, 507-515.	2.8	43
38	Gating modulation by heat of the polycystin transient receptor potential channel PKD2L1 (TRPP3). Pflugers Archiv European Journal of Physiology, 2014, 466, 1933-1940.	2.8	14
39	Amazing T-type calcium channels: updating functional properties in health and disease. Pflugers Archiv European Journal of Physiology, 2014, 466, 623-626.	2.8	18
40	Cinnamaldehyde inhibits L-type calcium channels in mouse ventricular cardiomyocytes and vascular smooth muscle cells. Pflugers Archiv European Journal of Physiology, 2014, 466, 2089-2099.	2.8	30
41	Insulin downregulates the expression of the Ca2+-activated nonselective cation channel TRPM5 in pancreatic islets from leptin-deficient mouse models. Pflugers Archiv European Journal of Physiology, 2014, 466, 611-621.	2.8	22
42	TRPM4 inhibition promotes angiogenesis after ischemic stroke. Pflugers Archiv European Journal of Physiology, 2014, 466, 563-576.	2.8	68
43	Opening of an alternative ion permeation pathway in a nociceptor TRP channel. Nature Chemical Biology, 2014, 10, 188-195.	8.0	86
44	Differential Effects of Bitter Compounds on the Taste Transduction Channels TRPM5 and IP3 Receptor Type 3. Chemical Senses, 2014, 39, 295-311.	2.0	29
45	Increased Î²-Adrenergic Inotropy in Ventricular Myocardium From Trpm4 ^{â^'/â^'} Mice. Circulation Research, 2014, 114, 283-294.	4.5	81
46	Peripheral thermosensation in mammals. Nature Reviews Neuroscience, 2014, 15, 573-589.	10.2	304
47	Transient Receptor Potential Channels as Drug Targets: From the Science of Basic Research to the Art of Medicine. Pharmacological Reviews, 2014, 66, 676-814.	16.0	440
48	Single point mutations of aromatic residues in transmembrane helices 5 and -6 differentially affect TRPV4 activation by 4Î±-PDD and hypotonicity: Implications for the role of the pore region in regulating TRPV4 activity. Cell Calcium, 2014, 55, 38-47.	2.4	14
49	Molecular functions of anoctamin 6 (TMEM16F): a chloride channel, cation channel, or phospholipid scramblase?. Pflugers Archiv European Journal of Physiology, 2014, 466, 407-414.	2.8	93
50	What Do We Really Know and What Do We Need to Know: Some Controversies, Perspectives, and Surprises. Handbook of Experimental Pharmacology, 2014, 223, 1239-1280.	1.8	16
51	TRPs: Truly Remarkable Proteins. Handbook of Experimental Pharmacology, 2014, 222, 1-12.	1.8	43
52	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.	2.8	68
53	Bimodal effects of cinnamaldehyde and camphor on mouse TRPA1. Pflugers Archiv European Journal of Physiology, 2013, 465, 853-864.	2.8	61
54	Spices: The Savory and Beneficial Science of Pungency. Reviews of Physiology, Biochemistry and Pharmacology, 2013, 164, 1-76.	1.6	125

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55	Transient Receptor Potentials (TRPs) and Anaphylaxis. Current Allergy and Asthma Reports, 2013, 13, 93-100.	5.3	13
56	The puzzle of TRPV4 channelopathies. EMBO Reports, 2013, 14, 152-163.	4.5	252
57	Mechanisms of Transient Receptor Potential Vanilloid 1 Activation and Sensitization by Allyl Isothiocyanate. Molecular Pharmacology, 2013, 84, 325-334.	2.3	77
58	<scp>TRPV</scp>3: a â€˜more than skinnyâ€™ channel. Experimental Dermatology, 2013, 22, 447-452.	2.9	67
59	Introduction (Transient Receptor Potential TRP Channels as Therapeutic Drug Targets: Next Round!). Current Topics in Medicinal Chemistry, 2013, 13, 244-246.	2.1	14
60	TRPP2 and TRPV4 Form an EGF-Activated Calcium Permeable Channel at the Apical Membrane of Renal Collecting Duct Cells. PLoS ONE, 2013, 8, e73424.	2.5	48
61	Transient Receptor Potential (TRP) Cation Channels in Diabetes. Current Topics in Medicinal Chemistry, 2013, 13, 258-269.	2.1	20
62	The â€˜headache treeâ€™ via umbellulone and TRPA1 activates the trigeminovascular system. Brain, 2012, 135, 376-390.	7.6	163
63	Activation of the cold-sensing TRPM8 channel triggers UCP1-dependent thermogenesis and prevents obesity. Journal of Molecular Cell Biology, 2012, 4, 88-96.	3.3	193
64	TRPV1 activation improves exercise endurance and energy metabolism through PGC-1Î± upregulation in mice. Cell Research, 2012, 22, 551-564.	12.0	147
65	Transient receptor potential channel promiscuity frustrates constellation pharmacology. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3338-E3338.	7.1	4
66	Transient Receptor Potential (TRP) Channels in the Brain: the Good and the Ugly. European Review, 2012, 20, 343-355.	0.7	8
67	Temperature-dependent calcium-induced calcium release via InsP3 receptors in mouse olfactory ensheathing glial cells. Cell Calcium, 2012, 52, 113-123.	2.4	18
68	<scp>TRP</scp> Channels. , 2012, 2, 563-608.		134
69	Sensing pressure with ion channels. Trends in Neurosciences, 2012, 35, 477-486.	8.6	134
70	The Use of Cystometry in Small Rodents: A Study of Bladder Chemosensation. Journal of Visualized Experiments, 2012, , e3869.	0.3	30
71	The transient receptor potential channel TRPA1: from gene to pathophysiology. Pflugers Archiv European Journal of Physiology, 2012, 464, 425-458.	2.8	287
72	Introduction to TRPs: A Quest for Novel Drug Targets. Methods in Pharmacology and Toxicology, 2012, , 3-12.	0.2	0

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73	TRPs in the Brain. , 2012, 163, 27-64.		59
74	The angiotensin receptor blocker and PPAR-Î³ agonist, telmisartan, delays inactivation of voltage-gated sodium channel in rat heart: novel mechanism of drug action. Pflugers Archiv European Journal of Physiology, 2012, 464, 631-643.	2.8	16
75	Vascular Hypoxic Preconditioning Relies on TRPV4-Dependent Calcium Influx and Proper Intercellular Gap Junctions Communication. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2241-2249.	2.4	49
76	TRPV1 activation prevents nonalcoholic fatty liver through UCP2 upregulation in mice. Pflugers Archiv European Journal of Physiology, 2012, 463, 727-732.	2.8	59
77	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.	2.8	190
78	Ano6 functions as a positive modulator of volumeâ€regulated anion channels. FASEB Journal, 2012, 26, 695.2.	0.5	0
79	The transient receptor potential family of ion channels. Genome Biology, 2011, 12, 218.	9.6	707
80	Tasty and healthy TR(i)Ps. EMBO Reports, 2011, 12, 1094-1101.	4.5	28
81	Electrophysiological properties of heteromeric TRPV4â€“C1 channels. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2789-2797.	2.6	49
82	TRPM3 Is a Nociceptor Channel Involved in the Detection of Noxious Heat. Neuron, 2011, 70, 482-494.	8.1	454
83	Activation of TRPV4 channels reduces migration of immortalized neuroendocrine cells. Journal of Neurochemistry, 2011, 116, 606-615.	3.9	28
84	Irritating channels: the case of TRPA1. Journal of Physiology, 2011, 589, 1543-1549.	2.9	115
85	Oxaliplatin elicits mechanical and cold allodynia in rodents via TRPA1 receptor stimulation. Pain, 2011, 152, 1621-1631.	4.2	264
86	The Capsaicin Receptor TRPV1 Is a Crucial Mediator of the Noxious Effects of Mustard Oil. Current Biology, 2011, 21, 316-321.	3.9	189
87	TRPC channels are involved in calcium-dependent migration and proliferation in immortalized GnRH neurons. Cell Calcium, 2011, 49, 387-394.	2.4	30
88	Bimodal effect of alkalization on the polycystin transient receptor potential channel, PKD2L1. Pflugers Archiv European Journal of Physiology, 2011, 461, 507-513.	2.8	22
89	Ligustilide: a novel TRPA1 modulator. Pflugers Archiv European Journal of Physiology, 2011, 462, 841-849.	2.8	51
90	Umbellulone modulates TRP channels. Pflugers Archiv European Journal of Physiology, 2011, 462, 861-870.	2.8	40

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91	Fetal akinesia in metatropic dysplasia: The combined phenotype of chondrodysplasia and neuropathy?. American Journal of Medical Genetics, Part A, 2011, 155, 2860-2864.	1.2	30
92	Transient Receptor Potential Cation Channels in Pancreatic Î² Cells. Reviews of Physiology, Biochemistry and Pharmacology, 2011, 161, 87-110.	1.6	61
93	Transient receptor potential channelopathies. Pflugers Archiv European Journal of Physiology, 2010, 460, 437-450.	2.8	137
94	The endothelial saga: the past, the present, the future. Pflugers Archiv European Journal of Physiology, 2010, 459, 787-792.	2.8	20
95	A Special Issue on channelopathies. Pflugers Archiv European Journal of Physiology, 2010, 460, 221-222.	2.8	9
96	The vanilloid transient receptor potential channel TRPV4: From structure to disease. Progress in Biophysics and Molecular Biology, 2010, 103, 2-17.	2.9	295
97	Dominant TRPV4 mutations in nonlethal and lethal metatropic dysplasia. American Journal of Medical Genetics, Part A, 2010, 152A, 1169-1177.	1.2	93
98	Pressing and squeezing with Piezos. EMBO Reports, 2010, 11, 902-903.	4.5	21
99	Modulation of the cold-activated cation channel TRPM8 by surface charge screening. Journal of Physiology, 2010, 588, 315-324.	2.9	22
100	Channelopathies converge on TRPV4. Nature Genetics, 2010, 42, 98-100.	21.4	71
101	TRP Channels in Human Prostate. Scientific World Journal, The, 2010, 10, 1597-1611.	2.1	36
102	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.	7.1	187
103	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.	7.1	351
104	Functional characterization of transient receptor potential channels in mouse urothelial cells. American Journal of Physiology - Renal Physiology, 2010, 298, F692-F701.	2.7	135
105	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.	2.4	71
106	Agonist-Induced Changes in Ca2+ Permeation through the Nociceptor Cation Channel TRPA1. Biophysical Journal, 2010, 98, 773-783.	0.5	107
107	The Role of Transient Receptor Potential Cation Channels in Ca2+ Signaling. Cold Spring Harbor Perspectives in Biology, 2010, 2, a003962-a003962.	5.5	344
108	Increased catecholamine secretion contributes to hypertension in TRPM4-deficient mice. Journal of Clinical Investigation, 2010, 120, 3267-3279.	8.2	134

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109	Functional characterization of TMEM16 anion channels. FASEB Journal, 2010, 24, 608.12.	0.5	0
110	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.	7.1	503
111	TRPM4 regulates migration of mast cells in mice. Cell Calcium, 2009, 45, 226-232.	2.4	99
112	Regulation of the murine TRPP3 channel by voltage, pH, and changes in cell volume. Pflugers Archiv European Journal of Physiology, 2009, 457, 795-807.	2.8	70
113	Where is TRPV1 expressed in the bladder, do we see the real channel?. Naunyn-Schmiedeberg's Archives of Pharmacology, 2009, 379, 421-425.	3.0	80
114	TRPCs, GPCRs and the Bayliss effect. EMBO Journal, 2009, 28, 4-5.	7.8	26
115	De novo expression of Trpm4 initiates secondary hemorrhage in spinal cord injury. Nature Medicine, 2009, 15, 185-191.	30.7	199
116	Nicotine activates the chemosensory cation channel TRPA1. Nature Neuroscience, 2009, 12, 1293-1299.	14.8	214
117	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.	6.2	173
118	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.	6.4	66
119	Polycystins under Pressure. Cell, 2009, 139, 466-467.	28.9	8
120	Pharmacology of Vanilloid Transient Receptor Potential Cation Channels. Molecular Pharmacology, 2009, 75, 1262-1279.	2.3	366
121	Lipid and protein interactions at the Câ€terminal part of TRPM4. FASEB Journal, 2009, 23, 1000.6.	0.5	0
122	EGFR augments cell proliferation in polycystic kidney disease through activation of a novel ion channel. FASEB Journal, 2009, 23, 604.6.	0.5	0
123	TRP channels and mechanosensory transduction: insights into the arterial myogenic response. Pflugers Archiv European Journal of Physiology, 2008, 456, 529-540.	2.8	86
124	Modulation of the transient receptor potential channel TRPA1 by phosphatidylinositol 4,5-biphosphate manipulators. Pflugers Archiv European Journal of Physiology, 2008, 457, 77-89.	2.8	111
125	On the origin of bladder sensing: Tr(i)ps in urology. Neurourology and Urodynamics, 2008, 27, 264-273.	1.5	117
126	Transient receptor potential channels meet phosphoinositides. EMBO Journal, 2008, 27, 2809-2816.	7.8	147

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127	A TRP channel-steroid marriage. Nature Cell Biology, 2008, 10, 1383-1384.	10.3	26
128	Gain-of-function mutations in TRPV4 cause autosomal dominant brachyolmia. Nature Genetics, 2008, 40, 999-1003.	21.4	320
129	TRPs in Our Senses. Current Biology, 2008, 18, R880-R889.	3.9	261
130	Neuronal TRP channels: thermometers, pathfinders and life-savers. Trends in Neurosciences, 2008, 31, 287-295.	8.6	152
131	HGF/SF and menthol increase human glioblastoma cell calcium and migration. Biochemical and Biophysical Research Communications, 2008, 372, 210-215.	2.1	102
132	TRPV4-Mediated Calcium Influx Regulates Terminal Differentiation of Osteoclasts. Cell Metabolism, 2008, 8, 257-265.	16.2	260
133	Stimulus-specific Modulation of the Cation Channel TRPV4 by PACSIN 3. Journal of Biological Chemistry, 2008, 283, 6272-6280.	3.4	110
134	TRPP2 and TRPV4 form a polymodal sensory channel complex. Journal of Cell Biology, 2008, 182, 437-447.	5.2	349
135	Transient Receptor Potential Channels in Sensory Neurons Are Targets of the Antimycotic Agent Clotrimazole. Journal of Neuroscience, 2008, 28, 576-586.	3.6	103
136	Role of cytochrome P450-dependent transient receptor potential V4 activation in flow-induced vasodilatation. Cardiovascular Research, 2008, 80, 445-452.	3.8	165
137	The taste transduction channel TRPM5 is a locus for bitterâ€sweet taste interactions. FASEB Journal, 2008, 22, 1343-1355.	0.5	74
138	Vanilloid Transient Receptor Potential Cation Channels: An Overview. Current Pharmaceutical Design, 2008, 14, 18-31.	1.9	180
139	Herbal Compounds and Toxins Modulating TRP Channels. Current Neuropharmacology, 2008, 6, 79-96.	2.9	155
140	Mechanisms of Thermosensation in TRP Channels. Springer Series in Biophysics, 2008, , 101-120.	0.4	5
141	TRPP2 and TRPV4 form a polymodal sensory channel complex. Journal of General Physiology, 2008, 132, i2-i2.	1.9	2
142	Parallel Selection on TRPV6 in Human Populations. PLoS ONE, 2008, 3, e1686.	2.5	42
143	Bimodal Action of Menthol on the Transient Receptor Potential Channel TRPA1. Journal of Neuroscience, 2007, 27, 9874-9884.	3.6	438
144	TRPM8-independent Menthol-induced Ca2+ Release from Endoplasmic Reticulum and Golgi. Journal of Biological Chemistry, 2007, 282, 3325-3336.	3.4	112

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145	Determinants of 4Î±-Phorbol Sensitivity in Transmembrane Domains 3 and 4 of the Cation Channel TRPV4. Journal of Biological Chemistry, 2007, 282, 12796-12803.	3.4	119
146	TRP channels in disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 805-812.	3.8	265
147	Transient Receptor Potential Channels in Mechanosensing and Cell Volume Regulation. Methods in Enzymology, 2007, 428, 183-207.	1.0	119
148	Transient Receptor Potential Cation Channels in Disease. Physiological Reviews, 2007, 87, 165-217.	28.8	1,260
149	TRPV1 is involved in stretch-evoked contractile changes in the rat autonomous bladder model: a study with piperine, a new TRPV1 agonist. Neurourology and Urodynamics, 2007, 26, 440-450.	1.5	37
150	Modulation of TRPs by PIPs. Journal of Physiology, 2007, 582, 939-944.	2.9	79
151	Channelling cold reception. Nature, 2007, 448, 147-148.	27.8	21
152	TRPM8 voltage sensor mutants reveal a mechanism for integrating thermal and chemical stimuli. Nature Chemical Biology, 2007, 3, 174-182.	8.0	249
153	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.	14.5	245
154	Molecular determinants of permeation through the cation channel TRPM6. Cell Calcium, 2007, 41, 513-523.	2.4	62
155	Regulation of transient receptor potential (TRP) channels by phosphoinositides. Pflugers Archiv European Journal of Physiology, 2007, 455, 157-168.	2.8	104
156	TRP Channels. , 2007, , 399-423.		2
157	Deletion of the transient receptor potential cation channel TRPV4 impairs murine bladder voiding. Journal of Clinical Investigation, 2007, 117, 3453-3462.	8.2	283
158	Transient receptor potential (TRP) cation channels: rewarding unique proteins. Bulletin Et MÃ©moires De L'AcadÃ©mie Royale De MÃ©decine De Belgique, 2007, 162, 244-53.	0.1	35
159	PERMEATION AND SELECTIVITY OF TRP CHANNELS. Annual Review of Physiology, 2006, 68, 685-717.	13.1	505
160	The Ca2+-activated cation channel TRPM4 is regulated by phosphatidylinositol 4,5-biphosphate. EMBO Journal, 2006, 25, 467-478.	7.8	268
161	Calbindin-D28K dynamically controls TRPV5-mediated Ca2+ transport. EMBO Journal, 2006, 25, 2978-2988.	7.8	125
162	From cardiac cation channels to the molecular dissection of the transient receptor potential channel TRPM4. Pflugers Archiv European Journal of Physiology, 2006, 453, 313-321.	2.8	46

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163	Evidence for common structural determinants of activation and inactivation in T-type Ca2+ channels. Pflugers Archiv European Journal of Physiology, 2006, 453, 189-201.	2.8	21
164	T-type calcium channels: The never ending story. Cell Calcium, 2006, 40, 81-88.	2.4	48
165	Biophysics and structureâ€"function relationship of T-type Ca2+ channels. Cell Calcium, 2006, 40, 97-114.	2.4	107
166	Stimulation by caveolin-1 of the hypotonicity-induced release of taurine and ATP at basolateral, but not apical, membrane of Caco-2 cells. American Journal of Physiology - Cell Physiology, 2006, 290, C1287-C1296.	4.6	29
167	PACSINs Bind to the TRPV4 Cation Channel. Journal of Biological Chemistry, 2006, 281, 18753-18762.	3.4	166
168	TRP Channels in Disease. Science Signaling, 2005, 2005, re8.	3.6	135
169	Sensing with TRP channels. Nature Chemical Biology, 2005, 1, 85-92.	8.0	323
170	TRP channels: novel gating properties and physiological functions. Journal of Physiology, 2005, 567, 33-34.	2.9	19
171	Heat activation of TRPM5 underlies thermal sensitivity of sweet taste. Nature, 2005, 438, 1022-1025.	27.8	408
172	Comparison of functional properties of the Ca2+-activated cation channels TRPM4 and TRPM5 from mice. Cell Calcium, 2005, 37, 267-278.	2.4	215
173	TRP channels: An overview. Cell Calcium, 2005, 38, 233-252.	2.4	688
174	TRP channels: a TR(I)P through a world of multifunctional cation channels. Pflugers Archiv European Journal of Physiology, 2005, 451, 1-10.	2.8	204
175	Regulation of the Ca2+ Sensitivity of the Nonselective Cation Channel TRPM4. Journal of Biological Chemistry, 2005, 280, 6423-6433.	3.4	252
176	The Selectivity Filter of the Cation Channel TRPM4. Journal of Biological Chemistry, 2005, 280, 22899-22906.	3.4	120
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