

Bernd Nilius

List of Publications by Year in descending order

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Version: 2024-02-01

318
papers

36,366
citations

2091

103
h-index

4217

180
g-index

398
all docs

398
docs citations

398
times ranked

21898
citing authors

#	ARTICLE	IF	CITATIONS
1	TRPM4 inhibition by meclofenamate suppresses Ca ²⁺ -dependent triggered arrhythmias. <i>European Heart Journal</i> , 2022, 43, 4195-4207.	1.0	15
2	Development and characterization of a monoclonal antibody blocking human TRPM4 channel. <i>Scientific Reports</i> , 2021, 11, 10411.	1.6	9
3	Mammalian Transient Receptor Potential TRPA1 Channels: From Structure to Disease. <i>Physiological Reviews</i> , 2020, 100, 725-803.	13.1	236
4	Comparison of Anti-oncotic Effect of TRPM4 Blocking Antibody in Neuron, Astrocyte and Vascular Endothelial Cell Under Hypoxia. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 562584.	1.8	16
5	BH4 activates CaMKK2 and rescues the cardiomyopathic phenotype in rodent models of diabetes. <i>Life Science Alliance</i> , 2020, 3, e201900619.	1.3	10
6	Tetrahydrobiopterin enhances mitochondrial biogenesis and cardiac contractility via stimulation of PGC1 α signaling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 165524.	1.8	12
7	TRPM4-specific blocking antibody attenuates reperfusion injury in a rat model of stroke. <i>Pflügers Archiv European Journal of Physiology</i> , 2019, 471, 1455-1466.	1.3	25
8	Non-Invasive Multimodality Imaging Directly Shows TRPM4 Inhibition Ameliorates Stroke Reperfusion Injury. <i>Translational Stroke Research</i> , 2019, 10, 91-103.	2.3	31
9	Mouse TRPA1 function and membrane localization are modulated by direct interactions with cholesterol. <i>ELife</i> , 2019, 8, .	2.8	47
10	TRPV4 Stimulation Releases ATP via Pannexin Channels in Human Pulmonary Fibroblasts. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 87-95.	1.4	29
11	Gaseous Signaling Molecules in Cardiovascular Function: From Mechanisms to Clinical Translation. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2018, 174, 81-156.	0.9	24
12	Current and upcoming mitochondrial targets for cancer therapy. <i>Seminars in Cancer Biology</i> , 2017, 47, 154-167.	4.3	41
13	Treatment of hypertension by increasing impaired endothelial TRPV4-KC a2.3 interaction. <i>EMBO Molecular Medicine</i> , 2017, 9, 1491-1503.	3.3	30
14	REPLY TO THORNELOE ET AL.. <i>Physiological Reviews</i> , 2017, 97, 1233-1234.	13.1	0
15	The asparagine 533 residue in the outer pore loop region of the mouse PKD2L1 channel is essential for its voltage-dependent inactivation. <i>FEBS Open Bio</i> , 2017, 7, 1392-1401.	1.0	4
16	Cereblon in health and disease. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 1299-1309.	1.3	43
17	TRPV4 is associated with central rather than nephrogenic osmoregulation. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 1595-1607.	1.3	21
18	Electrophysiological characterization of voltage-dependent calcium currents and TRPV4 currents in human pulmonary fibroblasts. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L603-L614.	1.3	11

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19	The Sur1-Trpm4 channel regulates NOS2 transcription in TLR4-activated microglia. <i>Journal of Neuroinflammation</i> , 2016, 13, 130.	3.1	75
20	TRPV4 participates in pressure-induced inhibition of renin secretion by juxtaglomerular cells. <i>Journal of Physiology</i> , 2016, 594, 7327-7340.	1.3	16
21	TRPV4: Molecular Conductor of a Diverse Orchestra. <i>Physiological Reviews</i> , 2016, 96, 911-973.	13.1	295
22	Biophysics and Physiology of the Volume-Regulated Anion Channel (VRAC)/Volume-Sensitive Outwardly Rectifying Anion Channel (VSOR). <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 371-383.	1.3	139
23	Molecular physiology of anion channels: dual function proteins and new structural motifs—a special issue. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 369-370.	1.3	2
24	Cardiac Response to Oxidative Stress Induced by Mitochondrial Dysfunction. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2016, 170, 101-127.	0.9	21
25	TRPM4-dependent post-synaptic depolarization is essential for the induction of NMDA receptor-dependent LTP in CA1 hippocampal neurons. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 593-607.	1.3	38
26	<sc>VRAC</sc> s swallow platinum drugs. <i>EMBO Journal</i> , 2015, 34, 2985-2987.	3.5	8
27	An Editor's farewell!. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 2399-2400.	1.3	0
28	Examination of Single Nucleotide Polymorphisms (SNPs) in Transient Receptor Potential (TRP) Ion Channels in Chronic Fatigue Syndrome Patients. <i>Immunology and Immunogenetics Insights</i> , 2015, 7, III.S25147.	1.0	11
29	Echinochrome A regulates phosphorylation of phospholamban Ser16 and Thr17 suppressing cardiac SERCA2A Ca ²⁺ reuptake. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 2151-2163.	1.3	21
30	Different Ligands of the TRPV3 Cation Channel Cause Distinct Conformational Changes as Revealed by Intrinsic Tryptophan Fluorescence Quenching. <i>Journal of Biological Chemistry</i> , 2015, 290, 12964-12974.	1.6	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 SiO ₂ nanoparticles with neuronal cells: Ionic mechanisms involved in the perturbation of calcium homeostasis. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 66, 101-111.	1.2	32
34	Transient Receptor Potential Vanilloid 1 Activation by Dietary Capsaicin Promotes Urinary Sodium Excretion by Inhibiting Epithelial Sodium Channel β Subunit-Mediated Sodium Reabsorption. <i>Hypertension</i> , 2014, 64, 397-404.	1.3	42
35	Eduard Friedrich Wilhelm Pfliäger and the Nobel Prize. <i>Pflügers Archiv European Journal of Physiology</i> , 2014, 466, 2019-2020.	1.3	2
36	TRPV3: time to decipher a poorly understood family member!. <i>Journal of Physiology</i> , 2014, 592, 295-304.	1.3	108

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37	Allyl isothiocyanate sensitizes TRPV1 to heat stimulation. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 507-515.	1.3	43
38	Gating modulation by heat of the polycystin transient receptor potential channel PKD2L1 (TRPP3). <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 1933-1940.	1.3	14
39	Amazing T-type calcium channels: updating functional properties in health and disease. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 623-626.	1.3	18
40	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.	1.3	30
41	Insulin downregulates the expression of the Ca ²⁺ -activated nonselective cation channel TRPM5 in pancreatic islets from leptin-deficient mouse models. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 611-621.	1.3	22
42	TRPM4 inhibition promotes angiogenesis after ischemic stroke. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 563-576.	1.3	68
43	Opening of an alternative ion permeation pathway in a nociceptor TRP channel. <i>Nature Chemical Biology</i> , 2014, 10, 188-195.	3.9	86
44	Differential Effects of Bitter Compounds on the Taste Transduction Channels TRPM5 and IP3 Receptor Type 3. <i>Chemical Senses</i> , 2014, 39, 295-311.	1.1	29
45	Increased β -Adrenergic Inotropy in Ventricular Myocardium From <i>Trpm4</i> Mice. <i>Circulation Research</i> , 2014, 114, 283-294.	2.0	81
46	Peripheral thermosensation in mammals. <i>Nature Reviews Neuroscience</i> , 2014, 15, 573-589.	4.9	304
47	Transient Receptor Potential Channels as Drug Targets: From the Science of Basic Research to the Art of Medicine. <i>Pharmacological Reviews</i> , 2014, 66, 676-814.	7.1	440
48	Single point mutations of aromatic residues in transmembrane helices 5 and -6 differentially affect TRPV4 activation by 4 β -PDD and hypotonicity: Implications for the role of the pore region in regulating TRPV4 activity. <i>Cell Calcium</i> , 2014, 55, 38-47.	1.1	14
49	Molecular functions of anoctamin 6 (TMEM16F): a chloride channel, cation channel, or phospholipid scramblase?. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 407-414.	1.3	93
50	What Do We Really Know and What Do We Need to Know: Some Controversies, Perspectives, and Surprises. <i>Handbook of Experimental Pharmacology</i> , 2014, 223, 1239-1280.	0.9	16
51	TRPs: Truly Remarkable Proteins. <i>Handbook of Experimental Pharmacology</i> , 2014, 222, 1-12.	0.9	43
52	Dietary capsaicin prevents nonalcoholic fatty liver disease through transient receptor potential vanilloid 1-mediated peroxisome proliferator-activated receptor δ activation. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1303-1316.	1.3	68
53	Bimodal effects of cinnamaldehyde and camphor on mouse TRPA1. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 853-864.	1.3	61
54	Spices: The Savory and Beneficial Science of Pungency. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2013, 164, 1-76.	0.9	125

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55	Transient Receptor Potentials (TRPs) and Anaphylaxis. <i>Current Allergy and Asthma Reports</i> , 2013, 13, 93-100.	2.4	13
56	The puzzle of TRPV4 channelopathies. <i>EMBO Reports</i> , 2013, 14, 152-163.	2.0	252
57	Mechanisms of Transient Receptor Potential Vanilloid 1 Activation and Sensitization by Allyl Isothiocyanate. <i>Molecular Pharmacology</i> , 2013, 84, 325-334.	1.0	77
58	<sc>TRPV</sc>3: a "more than skinny" channel. <i>Experimental Dermatology</i> , 2013, 22, 447-452.	1.4	67
59	Introduction (Transient Receptor Potential TRP Channels as Therapeutic Drug Targets: Next Round!). <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 244-246.	1.0	14
60	TRPP2 and TRPV4 Form an EGF-Activated Calcium Permeable Channel at the Apical Membrane of Renal Collecting Duct Cells. <i>PLoS ONE</i> , 2013, 8, e73424.	1.1	48
61	Transient Receptor Potential (TRP) Cation Channels in Diabetes. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 258-269.	1.0	20
62	The "headache tree" via umbellulone and TRPA1 activates the trigeminovascular system. <i>Brain</i> , 2012, 135, 376-390.	3.7	163
63	Activation of the cold-sensing TRPM8 channel triggers UCP1-dependent thermogenesis and prevents obesity. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 88-96.	1.5	193
64	TRPV1 activation improves exercise endurance and energy metabolism through PGC-1 α upregulation in mice. <i>Cell Research</i> , 2012, 22, 551-564.	5.7	147
65	Transient receptor potential channel promiscuity frustrates constellation pharmacology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3338-E3338.	3.3	4
66	Transient Receptor Potential (TRP) Channels in the Brain: the Good and the Ugly. <i>European Review</i> , 2012, 20, 343-355.	0.4	8
67	Temperature-dependent calcium-induced calcium release via InsP3 receptors in mouse olfactory ensheathing glial cells. <i>Cell Calcium</i> , 2012, 52, 113-123.	1.1	18
68	<sc>TRP</sc> Channels. , 2012, 2, 563-608.		134
69	Sensing pressure with ion channels. <i>Trends in Neurosciences</i> , 2012, 35, 477-486.	4.2	134
70	The Use of Cystometry in Small Rodents: A Study of Bladder Chemosensation. <i>Journal of Visualized Experiments</i> , 2012, , e3869.	0.2	30
71	The transient receptor potential channel TRPA1: from gene to pathophysiology. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 464, 425-458.	1.3	287
72	Introduction to TRPs: A Quest for Novel Drug Targets. <i>Methods in Pharmacology and Toxicology</i> , 2012, , 3-12.	0.1	0

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73	TRPs in the Brain. , 2012, 163, 27-64.		59
74	The angiotensin receptor blocker and PPAR- γ 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.	1.3	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.	1.1	49
76	TRPV1 activation prevents nonalcoholic fatty liver through UCP2 upregulation in mice. Pflugers Archiv European Journal of Physiology, 2012, 463, 727-732.	1.3	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.	1.3	190
78	Ano6 functions as a positive modulator of volume-regulated anion channels. FASEB Journal, 2012, 26, 695.2.	0.2	0
79	The transient receptor potential family of ion channels. Genome Biology, 2011, 12, 218.	13.9	707
80	Tasty and healthy TR(i)Ps. EMBO Reports, 2011, 12, 1094-1101.	2.0	28
81	Electrophysiological properties of heteromeric TRPV4-C1 channels. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2789-2797.	1.4	49
82	TRPM3 Is a Nociceptor Channel Involved in the Detection of Noxious Heat. Neuron, 2011, 70, 482-494.	3.8	454
83	Activation of TRPV4 channels reduces migration of immortalized neuroendocrine cells. Journal of Neurochemistry, 2011, 116, 606-615.	2.1	28
84	Irritating channels: the case of TRPA1. Journal of Physiology, 2011, 589, 1543-1549.	1.3	115
85	Oxaliplatin elicits mechanical and cold allodynia in rodents via TRPA1 receptor stimulation. Pain, 2011, 152, 1621-1631.	2.0	264
86	The Capsaicin Receptor TRPV1 Is a Crucial Mediator of the Noxious Effects of Mustard Oil. Current Biology, 2011, 21, 316-321.	1.8	189
87	TRPC channels are involved in calcium-dependent migration and proliferation in immortalized GnRH neurons. Cell Calcium, 2011, 49, 387-394.	1.1	30
88	Bimodal effect of alkalization on the polycystin transient receptor potential channel, PKD2L1. Pflugers Archiv European Journal of Physiology, 2011, 461, 507-513.	1.3	22
89	Ligustilide: a novel TRPA1 modulator. Pflugers Archiv European Journal of Physiology, 2011, 462, 841-849.	1.3	51
90	Umbellulone modulates TRP channels. Pflugers Archiv European Journal of Physiology, 2011, 462, 861-870.	1.3	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.	0.7	30
92	Transient Receptor Potential Cation Channels in Pancreatic \hat{I}^2 Cells. Reviews of Physiology, Biochemistry and Pharmacology, 2011, 161, 87-110.	0.9	61
93	Transient receptor potential channelopathies. Pflugers Archiv European Journal of Physiology, 2010, 460, 437-450.	1.3	137
94	The endothelial saga: the past, the present, the future. Pflugers Archiv European Journal of Physiology, 2010, 459, 787-792.	1.3	20
95	A Special Issue on channelopathies. Pflugers Archiv European Journal of Physiology, 2010, 460, 221-222.	1.3	9
96	The vanilloid transient receptor potential channel TRPV4: From structure to disease. Progress in Biophysics and Molecular Biology, 2010, 103, 2-17.	1.4	295
97	Dominant <i>TRPV4</i> mutations in nonlethal and lethal metatropic dysplasia. American Journal of Medical Genetics, Part A, 2010, 152A, 1169-1177.	0.7	93
98	Pressing and squeezing with Piezos. EMBO Reports, 2010, 11, 902-903.	2.0	21
99	Modulation of the cold-activated cation channel TRPM8 by surface charge screening. Journal of Physiology, 2010, 588, 315-324.	1.3	22
100	Channelopathies converge on TRPV4. Nature Genetics, 2010, 42, 98-100.	9.4	71
101	TRP Channels in Human Prostate. Scientific World Journal, The, 2010, 10, 1597-1611.	0.8	36
102	Loss of high-frequency glucose-induced Ca^{2+} oscillations in pancreatic islets correlates with impaired glucose tolerance in <i>Trpm5</i> mice. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5208-5213.	3.3	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.	3.3	351
104	Functional characterization of transient receptor potential channels in mouse urothelial cells. American Journal of Physiology - Renal Physiology, 2010, 298, F692-F701.	1.3	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.	1.1	71
106	Agonist-Induced Changes in Ca^{2+} Permeation through the Nociceptor Cation Channel TRPA1. Biophysical Journal, 2010, 98, 773-783.	0.2	107
107	The Role of Transient Receptor Potential Cation Channels in Ca^{2+} Signaling. Cold Spring Harbor Perspectives in Biology, 2010, 2, a003962-a003962.	2.3	344
108	Increased catecholamine secretion contributes to hypertension in TRPM4-deficient mice. Journal of Clinical Investigation, 2010, 120, 3267-3279.	3.9	134

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109	Functional characterization of TMEM16 anion channels. <i>FASEB Journal</i> , 2010, 24, 608.12.	0.2	0
110	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.	3.3	503
111	TRPM4 regulates migration of mast cells in mice. <i>Cell Calcium</i> , 2009, 45, 226-232.	1.1	99
112	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.	1.3	70
113	Where is TRPV1 expressed in the bladder, do we see the real channel?. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 379, 421-425.	1.4	80
114	TRPCs, GPCRs and the Bayliss effect. <i>EMBO Journal</i> , 2009, 28, 4-5.	3.5	26
115	De novo expression of Trpm4 initiates secondary hemorrhage in spinal cord injury. <i>Nature Medicine</i> , 2009, 15, 185-191.	15.2	199
116	Nicotine activates the chemosensory cation channel TRPA1. <i>Nature Neuroscience</i> , 2009, 12, 1293-1299.	7.1	214
117	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.	2.6	173
118	Modulation of the Transient Receptor Potential Vanilloid Channel TRPV4 by 4 β -Phorbol Esters: A Structure-Activity Study. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 2933-2939.	2.9	66
119	Polycystins under Pressure. <i>Cell</i> , 2009, 139, 466-467.	13.5	8
120	Pharmacology of Vanilloid Transient Receptor Potential Cation Channels. <i>Molecular Pharmacology</i> , 2009, 75, 1262-1279.	1.0	366
121	Lipid and protein interactions at the C-terminal part of TRPM4. <i>FASEB Journal</i> , 2009, 23, 1000.6.	0.2	0
122	EGFR augments cell proliferation in polycystic kidney disease through activation of a novel ion channel. <i>FASEB Journal</i> , 2009, 23, 604.6.	0.2	0
123	TRP channels and mechanosensory transduction: insights into the arterial myogenic response. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 456, 529-540.	1.3	86
124	Modulation of the transient receptor potential channel TRPA1 by phosphatidylinositol 4,5-biphosphate manipulators. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 457, 77-89.	1.3	111
125	On the origin of bladder sensing: Tr(i)ps in urology. <i>Neurourology and Urodynamics</i> , 2008, 27, 264-273.	0.8	117
126	Transient receptor potential channels meet phosphoinositides. <i>EMBO Journal</i> , 2008, 27, 2809-2816.	3.5	147

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127	A TRP channel-steroid marriage. <i>Nature Cell Biology</i> , 2008, 10, 1383-1384.	4.6	26
128	Gain-of-function mutations in TRPV4 cause autosomal dominant brachyolmia. <i>Nature Genetics</i> , 2008, 40, 999-1003.	9.4	320
129	TRPs in Our Senses. <i>Current Biology</i> , 2008, 18, R880-R889.	1.8	261
130	Neuronal TRP channels: thermometers, pathfinders and life-savers. <i>Trends in Neurosciences</i> , 2008, 31, 287-295.	4.2	152
131	HGF/SF and menthol increase human glioblastoma cell calcium and migration. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 210-215.	1.0	102
132	TRPV4-Mediated Calcium Influx Regulates Terminal Differentiation of Osteoclasts. <i>Cell Metabolism</i> , 2008, 8, 257-265.	7.2	260
133	Stimulus-specific Modulation of the Cation Channel TRPV4 by PACSIN 3. <i>Journal of Biological Chemistry</i> , 2008, 283, 6272-6280.	1.6	110
134	TRPP2 and TRPV4 form a polymodal sensory channel complex. <i>Journal of Cell Biology</i> , 2008, 182, 437-447.	2.3	349
135	Transient Receptor Potential Channels in Sensory Neurons Are Targets of the Antimycotic Agent Clotrimazole. <i>Journal of Neuroscience</i> , 2008, 28, 576-586.	1.7	103
136	Role of cytochrome P450-dependent transient receptor potential V4 activation in flow-induced vasodilatation. <i>Cardiovascular Research</i> , 2008, 80, 445-452.	1.8	165
137	The taste transduction channel TRPM5 is a locus for bitter–sweet taste interactions. <i>FASEB Journal</i> , 2008, 22, 1343-1355.	0.2	74
138	Vanilloid Transient Receptor Potential Cation Channels: An Overview. <i>Current Pharmaceutical Design</i> , 2008, 14, 18-31.	0.9	180
139	Herbal Compounds and Toxins Modulating TRP Channels. <i>Current Neuropharmacology</i> , 2008, 6, 79-96.	1.4	155
140	Diversity of TRP Channel Activation. <i>Novartis Foundation Symposium</i> , 2008, , 140-154.	1.2	47
141	Mechanisms of Thermosensation in TRP Channels. <i>Springer Series in Biophysics</i> , 2008, , 101-120.	0.4	5
142	TRPP2 and TRPV4 form a polymodal sensory channel complex. <i>Journal of General Physiology</i> , 2008, 132, i2-i2.	0.9	2
143	Parallel Selection on TRPV6 in Human Populations. <i>PLoS ONE</i> , 2008, 3, e1686.	1.1	42
144	Bimodal Action of Menthol on the Transient Receptor Potential Channel TRPA1. <i>Journal of Neuroscience</i> , 2007, 27, 9874-9884.	1.7	438

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145	TRPM8-independent Menthol-induced Ca ²⁺ Release from Endoplasmic Reticulum and Golgi. <i>Journal of Biological Chemistry</i> , 2007, 282, 3325-3336.	1.6	112
146	Determinants of 4 β -Phorbol Sensitivity in Transmembrane Domains 3 and 4 of the Cation Channel TRPV4. <i>Journal of Biological Chemistry</i> , 2007, 282, 12796-12803.	1.6	119
147	TRP channels in disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2007, 1772, 805-812.	1.8	265
148	Transient Receptor Potential Channels in Mechanosensing and Cell Volume Regulation. <i>Methods in Enzymology</i> , 2007, 428, 183-207.	0.4	119
149	Transient Receptor Potential Cation Channels in Disease. <i>Physiological Reviews</i> , 2007, 87, 165-217.	13.1	1,260
150	TRPV1 is involved in stretch-evoked contractile changes in the rat autonomous bladder model: a study with piperine, a new TRPV1 agonist. <i>Neurourology and Urodynamics</i> , 2007, 26, 440-450.	0.8	37
151	Modulation of TRPs by PIPs. <i>Journal of Physiology</i> , 2007, 582, 939-944.	1.3	79
152	Channelling cold reception. <i>Nature</i> , 2007, 448, 147-148.	13.7	21
153	TRPM8 voltage sensor mutants reveal a mechanism for integrating thermal and chemical stimuli. <i>Nature Chemical Biology</i> , 2007, 3, 174-182.	3.9	249
154	Increased IgE-dependent mast cell activation and anaphylactic responses in mice lacking the calcium-activated nonselective cation channel TRPM4. <i>Nature Immunology</i> , 2007, 8, 312-320.	7.0	245
155	Molecular determinants of permeation through the cation channel TRPM6. <i>Cell Calcium</i> , 2007, 41, 513-523.	1.1	62
156	Regulation of transient receptor potential (TRP) channels by phosphoinositides. <i>Pflugers Archiv European Journal of Physiology</i> , 2007, 455, 157-168.	1.3	104
157	TRP Channels. , 2007, , 399-423.		2
158	Deletion of the transient receptor potential cation channel TRPV4 impairs murine bladder voiding. <i>Journal of Clinical Investigation</i> , 2007, 117, 3453-3462.	3.9	283
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160	PERMEATION AND SELECTIVITY OF TRP CHANNELS. <i>Annual Review of Physiology</i> , 2006, 68, 685-717.	5.6	505
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