

Thomas Voets

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

221
papers

20,299
citations

76
h-index

140
g-index

278
ext. papers

22,405
ext. citations

7.7
avg, IF

6.64
L-index

#	Paper	IF	Citations
221	The Agonist Action of Alkylphenols on TRPA1 Relates to Their Effects on Membrane Lipid Order: Implications for TRPA1-Mediated Chemosensation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
220	Mapping the expression of transient receptor potential channels across murine placental development. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 4993-5014	10.3	4
219	I scream for ice cream - TRPC5 as cold sensor in teeth. <i>Cell Calcium</i> , 2021 , 97, 102419	4	0
218	TRP Channel Cooperation for Nociception: Therapeutic Opportunities. <i>Annual Review of Pharmacology and Toxicology</i> , 2021 , 61, 655-677	17.9	11
217	The TRPM3 ion channel mediates nociception but not itch evoked by endogenous pruritogenic mediators. <i>Biochemical Pharmacology</i> , 2021 , 183, 114310	6	3
216	Transient receptor potential channels in sensory mechanisms of the lower urinary tract. <i>Nature Reviews Urology</i> , 2021 , 18, 139-159	5.5	13
215	Partial Agonistic Actions of Sex Hormone Steroids on TRPM3 Function.. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
214	TRP channel expression correlates with the epithelial-mesenchymal transition and high-risk endometrial carcinoma.. <i>Cellular and Molecular Life Sciences</i> , 2021 , 79, 1	10.3	1
213	TRPM3 Is Expressed in Afferent Bladder Neurons and Is Upregulated during Bladder Inflammation.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	1
212	Why the emperor penguin reigns where elephants shiver. <i>Cell Calcium</i> , 2020 , 91, 102263	4	1
211	The Sensory Coding of Warm Perception. <i>Neuron</i> , 2020 , 106, 830-841.e3	13.9	43
210	Volatile anaesthetics inhibit the thermosensitive nociceptor ion channel transient receptor potential melastatin 3 (TRPM3). <i>Biochemical Pharmacology</i> , 2020 , 174, 113826	6	4
209	Functional expression and pharmacological modulation of TRPM3 in human sensory neurons. <i>British Journal of Pharmacology</i> , 2020 , 177, 2683-2695	8.6	15
208	TRPV4 Mediates Acute Bladder Responses to Bacterial Lipopolysaccharides. <i>Frontiers in Immunology</i> , 2020 , 11, 799	8.4	4
207	The Zinc-Finger Domain Containing Protein ZC4H2 Interacts with TRPV4, Enhancing Channel Activity and Turnover at the Plasma Membrane. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
206	Gain of channel function and modified gating properties in TRPM3 mutants causing intellectual disability and epilepsy. <i>ELife</i> , 2020 , 9,	8.9	13
205	Upregulation of TRPM3 in nociceptors innervating inflamed tissue. <i>ELife</i> , 2020 , 9,	8.9	6

204	Heat Pain and Cold Pain 2020 , 178-199		3
203	Reply to: Heat detection by the TRPM2 ion channel. <i>Nature</i> , 2020 , 584, E13-E15	50.4	4
202	Pharmacological properties of TRPM3 isoforms are determined by the length of the pore loop. <i>British Journal of Pharmacology</i> , 2020 ,	8.6	4
201	Mimicking Sampson's Retrograde Menstrual Theory in Rats: A New Rat Model for Ongoing Endometriosis-Associated Pain. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
200	Frozen images of a cool channel with icy compounds. <i>Cell Calcium</i> , 2019 , 80, 189-191	4	
199	Transient Receptor Potential Channels and Calcium Signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019 , 11,	10.2	27
198	Functional expression of the mechanosensitive PIEZO1 channel in primary endometrial epithelial cells and endometrial organoids. <i>Scientific Reports</i> , 2019 , 9, 1779	4.9	22
197	Heat sensing involves a TRIPlet of ion channels. <i>British Journal of Pharmacology</i> , 2019 , 176, 3893-3898	8.6	9
196	Targeting TRP Channels - Valuable Alternatives to Combat Pain, Lower Urinary Tract Disorders, and Type 2 Diabetes?. <i>Trends in Pharmacological Sciences</i> , 2019 , 40, 669-683	13.2	11
195	Expression and Functional Role of TRPV4 in Bone Marrow-Derived CD11c Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
194	Mouse TRPA1 function and membrane localization are modulated by direct interactions with cholesterol. <i>ELife</i> , 2019 , 8,	8.9	25
193	Author response: Mouse TRPA1 function and membrane localization are modulated by direct interactions with cholesterol 2019 ,		2
192	In vivo and ex vivo imaging of nociceptor expression and activity. <i>Journal of Cellular Neuroscience and Oxidative Stress</i> , 2019 , 11, 3-3	0.3	
191	A Fly's Cool Way to Escape the Heat. <i>Neuron</i> , 2019 , 101, 550-552	13.9	
190	To flourish or perish: evolutionary TRIPs into the sensory biology of plant-herbivore interactions. <i>Pflügers Archiv European Journal of Physiology</i> , 2019 , 471, 213-236	4.6	13
189	Functional and molecular characterisation of the bilateral pelvic nerve crush injury rat model for neurogenic detrusor underactivity. <i>BJU International</i> , 2019 , 123, E86-E96	5.6	7
188	Differential effects of lipopolysaccharide on mouse sensory TRP channels. <i>Cell Calcium</i> , 2018 , 73, 72-81	4	42
187	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	3.9	17

186	A Thallium-Based Screening Procedure to Identify Molecules That Modulate the Activity of Ca-Activated Monovalent Cation-Selective Channels. <i>SLAS Discovery</i> , 2018 , 23, 341-352	3.4	2
185	Sensing the heat with TRPM3. <i>Pflugers Archiv European Journal of Physiology</i> , 2018 , 470, 799-807	4.6	27
184	A TRP channel trio mediates acute noxious heat sensing. <i>Nature</i> , 2018 , 555, 662-666	50.4	203
183	Store-independent coupling between the Secretory Pathway Ca 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	4.9	16
182	Differential interactions of bacterial lipopolysaccharides with lipid membranes: implications for TRPA1-mediated chemosensation. <i>Scientific Reports</i> , 2018 , 8, 12010	4.9	22
181	Functional Expression of TRP Ion Channels in Endometrial Stromal Cells of Endometriosis Patients. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	8
180	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	10.2	30
179	Molecular Sensors for Noxious Temperature. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, SY5-1	0	
178	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	6.1	32
177	Δ-tetrahydrocannabinol impairs epithelial calcium transport through inhibition of TRPV5 and TRPV6. <i>Pharmacological Research</i> , 2018 , 136, 83-89	10.2	10
176	Disentangling the role of TRPM4 in hippocampus-dependent plasticity and learning: an electrophysiological, behavioral and fMRI approach. <i>Brain Structure and Function</i> , 2018 , 223, 3557-3576	4	12
175	The functional expression of transient receptor potential channels in the mouse endometrium. <i>Human Reproduction</i> , 2017 , 32, 615-630	5.7	16
174	TRP channel pores and local calcium signals. <i>Cell Calcium</i> , 2017 , 66, 19-24	4	32
173	Steviol glycosides enhance pancreatic beta-cell function and taste sensation by potentiation of TRPM5 channel activity. <i>Nature Communications</i> , 2017 , 8, 14733	17.4	88
172	TRPV4 activation triggers protective responses to bacterial lipopolysaccharides in airway epithelial cells. <i>Nature Communications</i> , 2017 , 8, 1059	17.4	66
171	Heat is absolute, cold is relative. <i>Nature Neuroscience</i> , 2016 , 19, 1188-9	25.5	1
170	Urodynamic changes in mice with experimental autoimmune encephalomyelitis correlate with neurological impairment. <i>Neurourology and Urodynamics</i> , 2016 , 35, 450-6	2.3	9
169	A cellular pathway controlling functional plasma membrane incorporation of the cold sensor TRPM8. <i>Temperature</i> , 2016 , 3, 521-523	5.2	

168	Signature and Pathophysiology of Non-canonical Pores in Voltage-Dependent Cation Channels. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2016 , 170, 67-99	2.9	7
167	Topographies and isoforms of the progesterone receptor in female human, rat and mouse bladder. <i>Cell and Tissue Research</i> , 2016 , 364, 385-94	4.2	2
166	Deletion or Inhibition of the Oxygen Sensor PHD1 Protects against Ischemic Stroke via Reprogramming of Neuronal Metabolism. <i>Cell Metabolism</i> , 2016 , 23, 280-91	24.6	58
165	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	4.6	23
164	Phosphoinositide regulation of TRPM channels - TRPM3 joins the club!. <i>Channels</i> , 2016 , 10, 83-5	3	4
163	Gustatory-mediated avoidance of bacterial lipopolysaccharides via TRPA1 activation in <i>Drosophila</i> . <i>ELife</i> , 2016 , 5,	8.9	63
162	Definition of two agonist types at the mammalian cold-activated channel TRPM8. <i>ELife</i> , 2016 , 5,	8.9	15
161	VAMP7 regulates constitutive membrane incorporation of the cold-activated channel TRPM8. <i>Nature Communications</i> , 2016 , 7, 10489	17.4	32
160	TRPV1 dysfunction in cystinosis patients harboring the homozygous 57 kb deletion. <i>Scientific Reports</i> , 2016 , 6, 35395	4.9	11
159	Warm feelings for TRPM2. <i>Cell Research</i> , 2016 , 26, 1174-1175	24.7	1
158	Journey of a cold sensor - VAMP7-dependent transport of TRPM8. <i>Channels</i> , 2016 , 10, 336-338	3	
157	Molecular mechanisms underlying the role of TRP channels in chemesthesis 2016 , 48-76		1
156	TRPM3 in temperature sensing and beyond. <i>Temperature</i> , 2015 , 2, 201-13	5.2	45
155	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, 12964-74	5.4	6
154	Regulation of the transient receptor potential channel TRPM3 by phosphoinositides. <i>Journal of General Physiology</i> , 2015 , 146, 51-63	3.4	41
153	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	11.5	70
152	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, 1421-36	5.7	29
151	Essential role of transient receptor potential M8 (TRPM8) in a model of acute cold-induced urinary urgency. <i>European Urology</i> , 2015 , 68, 655-61	10.2	29

150	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	11.8	40
149	Transient receptor potential channel modulators as pharmacological treatments for lower urinary tract symptoms (LUTS): myth or reality?. <i>BJU International</i> , 2015 , 115, 686-97	5.6	19
148	(18F)FDG-PET brain imaging during the micturition cycle in rats detects regions involved in bladder afferent signalling. <i>EJNMMI Research</i> , 2015 , 5, 55	3.6	4
147	Osmosensation in TRPV2 dominant negative expressing skeletal muscle fibres. <i>Journal of Physiology</i> , 2015 , 593, 3849-63	3.9	13
146	A TRiP to the plasma membrane. <i>Temperature</i> , 2015 , 2, 163-5	5.2	
145	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	8	51
144	TRPV4 participates in the establishment of trailing adhesions and directional persistence of migrating cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 2107-19	4.6	24
143	Structure of the SthK carboxy-terminal region reveals a gating mechanism for cyclic nucleotide-modulated ion channels. <i>PLoS ONE</i> , 2015 , 10, e0116369	3.7	17
142	Distinct modes of perimembrane TRP channel turnover revealed by TIR-FRAP. <i>Scientific Reports</i> , 2014 , 4, 7111	4.9	12
141	Ca _v 3.2 calcium channels: the key protagonist in the supraspinal effect of paracetamol. <i>Pain</i> , 2014 , 155, 764-772	8	41
140	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, 2089-99	4.6	20
139	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, 611-21	4.6	17
138	Opening of an alternative ion permeation pathway in a nociceptor TRP channel. <i>Nature Chemical Biology</i> , 2014 , 10, 188-95	11.7	64
137	Differential effects of bitter compounds on the taste transduction channels TRPM5 and IP3 receptor type 3. <i>Chemical Senses</i> , 2014 , 39, 295-311	4.8	24
136	Increased β adrenergic inotropy in ventricular myocardium from Trpm4 ^{-/-} mice. <i>Circulation Research</i> , 2014 , 114, 283-94	15.7	54
135	Peripheral thermosensation in mammals. <i>Nature Reviews Neuroscience</i> , 2014 , 15, 573-89	13.5	230
134	TRPA1 channels mediate acute neurogenic inflammation and pain produced by bacterial endotoxins. <i>Nature Communications</i> , 2014 , 5, 3125	17.4	280
133	TRP channels and thermosensation. <i>Handbook of Experimental Pharmacology</i> , 2014 , 223, 729-41	3.2	29

132	Retraction of: abstract P134, Increased beta-adrenergic inotropy in ventricular myocardium from Trpm4 knockout mice. <i>Cardiovascular Research</i> , 2014 , 104, 382	9.9	
131	TRP channels in lower urinary tract dysfunction. <i>British Journal of Pharmacology</i> , 2014 , 171, 2537-51	8.6	44
130	Cannabidiol exerts sebostatic and antiinflammatory effects on human sebocytes. <i>Journal of Clinical Investigation</i> , 2014 , 124, 3713-24	15.9	138
129	Activation and Sensitization of the Capsaicin Receptor TRPV1 by Allyl Isothiocyanate. <i>Biophysical Journal</i> , 2014 , 106, 337a	2.9	3
128	Allyl isothiocyanate sensitizes TRPV1 to heat stimulation. <i>Pflugers Archiv European Journal of Physiology</i> , 2014 , 466, 507-15	4.6	35
127	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	3.2	86
126	Bimodal effects of cinnamaldehyde and camphor on mouse TRPA1. <i>Pflugers Archiv European Journal of Physiology</i> , 2013 , 465, 853-64	4.6	53
125	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, 486-93	10.2	73
124	Lack of correlation between the amplitudes of TRP channel-mediated responses to weak and strong stimuli in intracellular Ca(2+) imaging experiments. <i>Cell Calcium</i> , 2013 , 54, 362-74	4	8
123	31 THE ROLE OF TRPA1 IN THE BLADDER COOLING REFLEX; A POSSIBLE NEW THERAPEUTIC TARGET. <i>Journal of Urology</i> , 2013 , 189,	2.5	1
122	Re: Ferdinando Fusco, Roberta d'Emmanuele di Villa Bianca, Emma Mitidieri, et al. Sildenafil effect on the human bladder involves the L-cysteine/hydrogen sulfide pathway: a novel mechanism of action of phosphodiesterase type 5 inhibitors. <i>Eur Urol</i> 2012;62:1174-80. <i>European Urology</i> , 2013 , 63, e57-8	10.2	
121	Chronic administration of anticholinergics in rats induces a shift from muscarinic to purinergic transmission in the bladder wall. <i>European Urology</i> , 2013 , 64, 502-10	10.2	19
120	The puzzle of TRPV4 channelopathies. <i>EMBO Reports</i> , 2013 , 14, 152-63	6.5	203
119	Mechanisms of transient receptor potential vanilloid 1 activation and sensitization by allyl isothiocyanate. <i>Molecular Pharmacology</i> , 2013 , 84, 325-34	4.3	65
118	The puzzle of TRPV4 channelopathies. <i>EMBO Reports</i> , 2013 , 14, 845-845	6.5	5
117	Bladder dysfunction in a transgenic mouse model of multiple system atrophy. <i>Movement Disorders</i> , 2013 , 28, 347-55	7	44
116	Crucial role of TRPC1 and TRPC4 in cystitis-induced neuronal sprouting and bladder overactivity. <i>PLoS ONE</i> , 2013 , 8, e69550	3.7	18
115	TRP channels. <i>Comprehensive Physiology</i> , 2012 , 2, 563-608	7.7	97

114	The use of cystometry in small rodents: a study of bladder chemosensation. <i>Journal of Visualized Experiments</i> , 2012 , e3869	1.6	22
113	Quantifying and modeling the temperature-dependent gating of TRP channels. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2012 , 162, 91-119	2.9	40
112	Molecular actions of smoking cessation drugs at $\alpha 4 \beta 2$ 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, 9173-8	11.5	59
111	TRP channel blamed for burning cold after a tropical fish meal. <i>EMBO Journal</i> , 2012 , 31, 3785-7	13	5
110	Cholesterol loss during glutamate-mediated excitotoxicity. <i>EMBO Journal</i> , 2012 , 31, 1764-73	13	58
109	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; author reply E338	11.5	4
108	Ano6 functions as a positive modulator of volume-regulated anion channels. <i>FASEB Journal</i> , 2012 , 26, 695.2	0.9	
107	TRPM3 is a nociceptor channel involved in the detection of noxious heat. <i>Neuron</i> , 2011 , 70, 482-94	13.9	352
106	Re: Inhibition of the Cation Channel TRPV4 Improves Bladder Function in Mice and Rats With Cyclophosphamide-Induced Cystitis. <i>Journal of Urology</i> , 2011 , 186, 753-753	2.5	2
105	TRP channels in neurogastroenterology: opportunities for therapeutic intervention. <i>British Journal of Pharmacology</i> , 2011 , 162, 18-37	8.6	64
104	Ligand stoichiometry of the cold- and menthol-activated channel TRPM8. <i>Journal of Physiology</i> , 2011 , 589, 4827-35	3.9	32
103	The capsaicin receptor TRPV1 is a crucial mediator of the noxious effects of mustard oil. <i>Current Biology</i> , 2011 , 21, 316-21	6.3	167
102	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	5.3	23
101	Functional characterization of a chronic cyclophosphamide-induced overactive bladder model in mice. <i>Neurourology and Urodynamics</i> , 2011 , 30, 1659-65	2.3	56
100	Trpv5/6 is vital for epithelial calcium uptake and bone formation. <i>FASEB Journal</i> , 2011 , 25, 3197-207	0.9	48
99	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, 13782-7	11.5	30
98	Modulation of the cold-activated cation channel TRPM8 by surface charge screening. <i>Journal of Physiology</i> , 2010 , 588, 315-24	3.9	20
97	Loss of high-frequency glucose-induced Ca ²⁺ oscillations in pancreatic islets correlates with impaired glucose tolerance in Trpm5 ^{-/-} mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5208-13	11.5	150

96	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, 19084-9	11.5	298
95	Functional characterization of transient receptor potential channels in mouse urothelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, F692-701	4.3	117
94	Agonist-induced changes in Ca(2+) permeation through the nociceptor cation channel TRPA1. <i>Biophysical Journal</i> , 2010 , 98, 773-83	2.9	98
93	Increased catecholamine secretion contributes to hypertension in TRPM4-deficient mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 3267-79	15.9	106
92	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, 1273-8	11.5	442
91	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	4.6	60
90	TRPCs, GPCRs and the Bayliss effect. <i>EMBO Journal</i> , 2009 , 28, 4-5	13	24
89	Nicotine activates the chemosensory cation channel TRPA1. <i>Nature Neuroscience</i> , 2009 , 12, 1293-9	25.5	186
88	Mutations in the gene encoding the calcium-permeable ion channel TRPV4 produce spondylometaphyseal dysplasia, Kozłowski type and metatropic dysplasia. <i>American Journal of Human Genetics</i> , 2009 , 84, 307-15	11	148
87	Lipid and protein interactions at the C-terminal part of TRPM4. <i>FASEB Journal</i> , 2009 , 23, 1000.6	0.9	
86	Transient receptor potential channels meet phosphoinositides. <i>EMBO Journal</i> , 2008 , 27, 2809-16	13	131
85	A TRP channel-steroid marriage. <i>Nature Cell Biology</i> , 2008 , 10, 1383-4	23.4	22
84	Gain-of-function mutations in TRPV4 cause autosomal dominant brachyolmia. <i>Nature Genetics</i> , 2008 , 40, 999-1003	36.3	295
83	TRPs in our senses. <i>Current Biology</i> , 2008 , 18, R880-9	6.3	223
82	Modulation of synaptic plasticity and Tau phosphorylation by wild-type and mutant presenilin1. <i>Neurobiology of Aging</i> , 2008 , 29, 639-52	5.6	39
81	Neuronal TRP channels: thermometers, pathfinders and life-savers. <i>Trends in Neurosciences</i> , 2008 , 31, 287-95	13.3	131
80	TRPV4-mediated calcium influx regulates terminal differentiation of osteoclasts. <i>Cell Metabolism</i> , 2008 , 8, 257-65	24.6	222
79	Stimulus-specific modulation of the cation channel TRPV4 by PACSIN 3. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6272-80	5.4	94

78	Transient receptor potential channels in sensory neurons are targets of the antimycotic agent clotrimazole. <i>Journal of Neuroscience</i> , 2008 , 28, 576-86	6.6	96
77	The taste transduction channel TRPM5 is a locus for bitter-sweet taste interactions. <i>FASEB Journal</i> , 2008 , 22, 1343-55	0.9	69
76	Diversity of TRP Channel Activation. <i>Novartis Foundation Symposium</i> , 2008 , 140-154		32
75	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	4.6	101
74	Mechanisms of Thermosensation in TRP Channels. <i>Springer Series in Biophysics</i> , 2008 , 101-120		4
73	Transient receptor potential cation channels in disease. <i>Physiological Reviews</i> , 2007 , 87, 165-217	47.9	1100
72	TRPM8. <i>Handbook of Experimental Pharmacology</i> , 2007 , 329-44	3.2	58
71	Modulation of TRPs by PIPs. <i>Journal of Physiology</i> , 2007 , 582, 939-44	3.9	73
70	TRPM8 voltage sensor mutants reveal a mechanism for integrating thermal and chemical stimuli. <i>Nature Chemical Biology</i> , 2007 , 3, 174-82	11.7	218
69	Influence of temperature on taste perception. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 377-81	10.3	57
68	Bimodal action of menthol on the transient receptor potential channel TRPA1. <i>Journal of Neuroscience</i> , 2007 , 27, 9874-84	6.6	375
67	TRPM8-independent menthol-induced Ca ²⁺ release from endoplasmic reticulum and Golgi. <i>Journal of Biological Chemistry</i> , 2007 , 282, 3325-36	5.4	97
66	Determinants of 4 alpha-phorbol sensitivity in transmembrane domains 3 and 4 of the cation channel TRPV4. <i>Journal of Biological Chemistry</i> , 2007 , 282, 12796-803	5.4	99
65	Regulation of TRP channels: a voltage-lipid connection. <i>Biochemical Society Transactions</i> , 2007 , 35, 105-85.1		54
64	Deletion of the transient receptor potential cation channel TRPV4 impairs murine bladder voiding. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3453-62	15.9	250
63	TRP Channels 2007 , 399-423		0
62	Permeation and selectivity of TRP channels. <i>Annual Review of Physiology</i> , 2006 , 68, 685-717	23.1	442
61	The Ca ²⁺ -activated cation channel TRPM4 is regulated by phosphatidylinositol 4,5-biphosphate. <i>EMBO Journal</i> , 2006 , 25, 467-78	13	235

60	Calbindin-D28K dynamically controls TRPV5-mediated Ca ²⁺ transport. <i>EMBO Journal</i> , 2006 , 25, 2978-88	13	101
59	CAPS1 regulates catecholamine loading of large dense-core vesicles. <i>Neuron</i> , 2005 , 46, 75-88	13.9	92
58	Gating of TRP channels: a voltage connection?. <i>Journal of Physiology</i> , 2005 , 567, 35-44	3.9	214
57	Modulation of the Ca ²⁺ permeable cation channel TRPV4 by cytochrome P450 epoxygenases in vascular endothelium. <i>Circulation Research</i> , 2005 , 97, 908-15	15.7	301
56	TRP channels in disease. <i>Science Signaling</i> , 2005 , 2005, re8	8.8	93
55	Sensing with TRP channels. <i>Nature Chemical Biology</i> , 2005 , 1, 85-92	11.7	287
54	Heat activation of TRPM5 underlies thermal sensitivity of sweet taste. <i>Nature</i> , 2005 , 438, 1022-5	50.4	357
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