Thomas Voets

List of Publications by Year
in descending order

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263 papers	24,387 citations	5896 81 h-index	7745 150 g-index
278 all docs	278 docs citations	278 times ranked	16202 citing authors

#	Article	IF	Citations
1	Phenotypic spectrum of the recurrent TRPM3 p.(<scp>Val837Met</scp>) substitution in seven individuals with global developmental delay and hypotonia. American Journal of Medical Genetics, Part A, 2022, 188, 1667-1675.	1.2	8
2	TRP channel expression correlates with the epithelialâ€“mesenchymal transition and high-risk endometrial carcinoma. Cellular and Molecular Life Sciences, 2022, 79, 1.	5.4	9
3	TRPM3 Is Expressed in Afferent Bladder Neurons and Is Upregulated during Bladder Inflammation. International Journal of Molecular Sciences, 2022, 23, 107.	4.1	12
4	Loratadine, an antihistaminic drug, suppresses the proliferation of endometrial stromal cells by inhibition of TRPV2. European Journal of Pharmacology, 2022, 928, 175086.	3.5	3
5	TRPM4 inhibition by meclofenamate suppresses Ca2+-dependent triggered arrhythmias. European Heart Journal, 2022, 43, 4195-4207.	2.2	15
6	TRP Channel Cooperation for Nociception: Therapeutic Opportunities. Annual Review of Pharmacology and Toxicology, 2021, 61, 655-677.	9.4	54
7	The TRPM3 ion channel mediates nociception but not itch evoked by endogenous pruritogenic mediators. Biochemical Pharmacology, 2021, 183, 114310.	4.4	9
8	Transient receptor potential channels in sensory mechanisms of the lower urinary tract. Nature Reviews Urology, 2021, 18, 139-159.	3.8	34
9	The Agonist Action of Alkylphenols on TRPA1 Relates to Their Effects on Membrane Lipid Order: Implications for TRPA1-Mediated Chemosensation. International Journal of Molecular Sciences, 2021, 22, 3368.	4.1	9
10	Mapping the expression of transient receptor potential channels across murine placental development. Cellular and Molecular Life Sciences, 2021, 78, 4993-5014.	5.4	12
11	Longitudinal Follow-Up of Urinary Tract Infections and Their Treatment in Mice using Bioluminescence Imaging. Journal of Visualized Experiments, 2021, , .	0.3	0
12	I scream for ice cream â€“ TRPC5 as cold sensor in teeth. Cell Calcium, 2021, 97, 102419.	2.4	1
13	X-ray videocystometry for high-speed monitoring of urinary tract function in mice. Science Advances, 2021, 7, .	10.3	4
14	Partial Agonistic Actions of Sex Hormone Steroids on TRPM3 Function. International Journal of Molecular Sciences, 2021, 22, 13652.	4.1	6
15	TRPM3 Mediates Pain but Not Itch. Biophysical Journal, 2020, 118, 414a.	0.5	0
16	Reply to: Heat detection by the TRPM2 ion channel. Nature, 2020, 584, E13-E15.	27.8	9
17	Pharmacological properties of TRPM3 isoforms are determined by the length of the pore loop. British Journal of Pharmacology, 2020, , .	5.4	10
18	Why the emperor penguin reigns where elephants shiver. Cell Calcium, 2020, 91, 102263.	2.4	1

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19	The Sensory Coding of Warm Perception. Neuron, 2020, 106, 830-841.e3.	8.1	119
20	Volatile anaesthetics inhibit the thermosensitive nociceptor ion channel transient receptor potential melastatin 3 (TRPM3). Biochemical Pharmacology, 2020, 174, 113826.	4.4	6
21	Functional expression and pharmacological modulation of TRPM3 in human sensory neurons. British Journal of Pharmacology, 2020, 177, 2683-2695.	5.4	32
22	Mimicking Sampsonâ€™s Retrograde Menstrual Theory in Rats: A New Rat Model for Ongoing Endometriosis-Associated Pain. International Journal of Molecular Sciences, 2020, 21, 2326.	4.1	12
23	TRPM3 Inhibits Synaptic Transmission and Plasticity in the Hippocampus. Biophysical Journal, 2020, 118, 21a.	0.5	2
24	TRPV4 Mediates Acute Bladder Responses to Bacterial Lipopolysaccharides. Frontiers in Immunology, 2020, 11, 799.	4.8	9
25	The Zinc-Finger Domain Containing Protein ZC4H2 Interacts with TRPV4, Enhancing Channel Activity and Turnover at the Plasma Membrane. International Journal of Molecular Sciences, 2020, 21, 3556.	4.1	8
26	Gain of channel function and modified gating properties in TRPM3 mutants causing intellectual disability and epilepsy. ELife, 2020, 9, .	6.0	32
27	Upregulation of TRPM3 in nociceptors innervating inflamed tissue. ELife, 2020, 9, .	6.0	23
28	Heat sensing involves a <scp>TRiPlet</scp> of ion channels. British Journal of Pharmacology, 2019, 176, 3893-3898.	5.4	17
29	Targeting TRP Channels â€“ Valuable Alternatives to Combat Pain, Lower Urinary Tract Disorders, and Type 2 Diabetes?. Trends in Pharmacological Sciences, 2019, 40, 669-683.	8.7	20
30	Expression and Functional Role of TRPV4 in Bone Marrow-Derived CD11c+ Cells. International Journal of Molecular Sciences, 2019, 20, 3378.	4.1	12
31	Placental TRPV2 expression is indispensable for normal fetal growth. Placenta, 2019, 83, e15-e16.	1.5	1
32	Frozen images of a cool channel with icy compounds. Cell Calcium, 2019, 80, 189-191.	2.4	0
33	Transient Receptor Potential Channels and Calcium Signaling. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035048.	5.5	66
34	Functional expression of the mechanosensitive PIEZO1 channel in primary endometrial epithelial cells and endometrial organoids. Scientific Reports, 2019, 9, 1779.	3.3	36
35	A Flyâ€™s Cool Way to Escape the Heat. Neuron, 2019, 101, 550-552.	8.1	0
36	To flourish or perish: evolutionary TRiPs into the sensory biology of plant-herbivore interactions. Pflugers Archiv European Journal of Physiology, 2019, 471, 213-236.	2.8	17

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37	Functional and molecular characterisation of the bilateral pelvic nerve crush injury rat model for neurogenic detrusor underactivity. BJU International, 2019, 123, E86-E96.	2.5	13
38	Mouse TRPA1 function and membrane localization are modulated by direct interactions with cholesterol. ELife, 2019, 8, .	6.0	47
39	In vivo and ex vivo imaging of nociceptor expression and activity. Journal of Cellular Neuroscience and Oxidative Stress, 2019, 11, 3-3.	0.2	0
40	Differential effects of lipopolysaccharide on mouse sensory TRP channels. Cell Calcium, 2018, 73, 72-81.	2.4	61
41	Sensors and regulatory mechanisms of thermal physiology. Pflugers Archiv European Journal of Physiology, 2018, 470, 703-704.	2.8	4
42	Mutations in the voltageâ€sensing domain affect the alternative ion permeation pathway in the TRPM3 channel. Journal of Physiology, 2018, 596, 2413-2432.	2.9	29
43	A Thallium-Based Screening Procedure to Identify Molecules That Modulate the Activity of Ca2+-Activated Monovalent Cation-Selective Channels. SLAS Discovery, 2018, 23, 341-352.	2.7	5
44	Sensing the heat with TRPM3. Pflugers Archiv European Journal of Physiology, 2018, 470, 799-807.	2.8	33
45	A TRP channel trio mediates acute noxious heat sensing. Nature, 2018, 555, 662-666.	27.8	329
46	Store-independent coupling between the Secretory Pathway Ca2+ transport ATPase SPCA1 and Orai1 in Golgi stress and Hailey-Hailey disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 855-862.	4.1	23
47	Activation of TRPC1 Channel by Metabotropic Glutamate Receptor mGluR5 Modulates Synaptic Plasticity and Spatial Working Memory. Frontiers in Cellular Neuroscience, 2018, 12, 318.	3.7	48
48	Volatile Anaesthetics Inhibit Thermosensitive TRPM3 Ion Channels. Biophysical Journal, 2018, 114, 642a.	0.5	0
49	Î”9-tetrahydrocannabivarin impairs epithelial calcium transport through inhibition of TRPV5 and TRPV6. Pharmacological Research, 2018, 136, 83-89.	7.1	20
50	Disentangling the role of TRPM4 in hippocampus-dependent plasticity and learning: an electrophysiological, behavioral and FMRI approach. Brain Structure and Function, 2018, 223, 3557-3576.	2.3	19
51	Differential interactions of bacterial lipopolysaccharides with lipid membranes: implications for TRPA1-mediated chemosensation. Scientific Reports, 2018, 8, 12010.	3.3	30
52	Functional Expression of TRP Ion Channels in Endometrial Stromal Cells of Endometriosis Patients. International Journal of Molecular Sciences, 2018, 19, 2467.	4.1	12
53	Intravesical Activation of the Cation Channel TRPV4 Improves Bladder Function in a Rat Model for Detrusor Underactivity. European Urology, 2018, 74, 336-345.	1.9	42
54	Molecular Sensors for Noxious Temperature. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY5-1.	0.0	0

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55	The functional expression of transient receptor potential channels in the mouse endometrium. Human Reproduction, 2017, 32, 615-630.	0.9	20
56	Localization of an Alternative Ion Permeation Pathway in TRPM3. Biophysical Journal, 2017, 112, 466a.	0.5	0
57	TRPV1 Contributes to Acrolein-Induced Toxicity. Biophysical Journal, 2017, 112, 410a.	0.5	1
58	TRP channel pores and local calcium signals. Cell Calcium, 2017, 66, 19-24.	2.4	42
59	Steviol glycosides enhance pancreatic beta-cell function and taste sensation by potentiation of TRPM5 channel activity. Nature Communications, 2017, 8, 14733.	12.8	136
60	Modulation by Phenolic Compounds Provides Novel Insight into the Mechanisms of TRPA1 Activation. Biophysical Journal, 2017, 112, 250a-251a.	0.5	0
61	TRPV4 activation triggers protective responses to bacterial lipopolysaccharides in airway epithelial cells. Nature Communications, 2017, 8, 1059.	12.8	86
62	MP82-16 BLADDER SMOOTH MUSCLE CONTRACTILITY IS INHIBITED BY HC030031 INDEPENDENTLY OF TRPA1. Journal of Urology, 2017, 197, .	0.4	0
63	The nociceptive TRPM3 channel as potential therapeutic target for chronic pain. Internal Medicine Review (Washington, D C: Online), 2017, 3, .	0.3	0
64	Definition of two agonist types at the mammalian cold-activated channel TRPM8. ELife, 2016, 5, .	6.0	25
65	VAMP7 regulates constitutive membrane incorporation of the cold-activated channel TRPM8. Nature Communications, 2016, 7, 10489.	12.8	44
66	TRPV1 dysfunction in cystinosis patients harboring the homozygous 57â€‰kb deletion. Scientific Reports, 2016, 6, 35395.	3.3	15
67	Warm feelings for TRPM2. Cell Research, 2016, 26, 1174-1175.	12.0	5
68	Further Evidence of an Alternative Ion Permeation Pathway in the Nociceptor TRPM3. Biophysical Journal, 2016, 110, 612a.	0.5	0
69	Broad Sensitivity of Drosophila Melanogaster TRPA1 to Noxious Chemicals. Biophysical Journal, 2016, 110, 283a.	0.5	0
70	The Role of Interacting Proteins in TRPV4 Channelopathies. Biophysical Journal, 2016, 110, 286a.	0.5	0
71	The Role of Lipid Rafts in the Localization and Function of the Chemosensory TRPA1 Channel. Biophysical Journal, 2016, 110, 26a.	0.5	2
72	Journey of a cold sensor â€“ VAMP7-dependent transport of TRPM8. Channels, 2016, 10, 336-338.	2.8	1

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73	Heat is absolute, cold is relative. Nature Neuroscience, 2016, 19, 1188-1189.	14.8	3
74	Urodynamic changes in mice with experimental autoimmune encephalomyelitis correlate with neurological impairment. Neurourology and Urodynamics, 2016, 35, 450-456.	1.5	15
75	A cellular pathway controlling functional plasma membrane incorporation of the cold sensor TRPM8. Temperature, 2016, 3, 521-523.	3.0	0
76	Signature and Pathophysiology of Non-canonical Pores in Voltage-Dependent Cation Channels. Reviews of Physiology, Biochemistry and Pharmacology, 2016, 170, 67-99.	1.6	9
77	Topographies and isoforms of the progesterone receptor in female human, rat and mouse bladder. Cell and Tissue Research, 2016, 364, 385-394.	2.9	2
78	Deletion or Inhibition of the Oxygen Sensor PHD1 Protects against Ischemic Stroke via Reprogramming of Neuronal Metabolism. Cell Metabolism, 2016, 23, 280-291.	16.2	77
79	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
80	Phosphoinositide regulation of TRPM channels â€“ TRPM3 joins the club!. Channels, 2016, 10, 83-85.	2.8	5
81	TRPM3: A regulator of airway sensory nerves and respiratory reflexes. , 2016, , .		1
82	Gustatory-mediated avoidance of bacterial lipopolysaccharides via TRPA1 activation in Drosophila. ELife, 2016, 5, .	6.0	88
83	Functional Analysis of the Thermosensor TRPM3 in Intact Sensory Fibers Using the Skin-Nerve Assay. Biophysical Journal, 2015, 108, 283a.	0.5	0
84	A Novel Class of Transient Receptor Potential Melastatin 8 Agonists. Biophysical Journal, 2015, 108, 284a.	0.5	0
85	PD7-02 DELETION OF THE TRPV4 CATION CHANNEL LEADS TO DECREASED SENSORY INPUT INTO THE CENTRAL NERVOUS SYSTEM DURING THE MICTURITION CYCLE: A PET IMAGING STUDY IN RATS. Journal of Urology, 2015, 193, .	0.4	0
86	An Alternative Ion Permeation Pathway in the TRPM3Î±1 Isoform?. Biophysical Journal, 2015, 108, 282a-283a.	0.5	0
87	PD7-07 A NOVEL TARGET FOR UNDERACTIVE BLADDER DISEASE: TRPV4 CATION CHANNEL ACTIVATION IMPROVES BLADDER FUNCTION IN A RAT MODEL FOR DETRUSOR UNDERACTIVITY. Journal of Urology, 2015, 193, .	0.4	0
88	<scp>VRAC</scp> s swallow platinum drugs. EMBO Journal, 2015, 34, 2985-2987.	7.8	8
89	Biophysical Properties of the Alternative Ion Permeation Pore in TRPM3. Biophysical Journal, 2015, 108, 283a.	0.5	0
90	Effects of Lipopolysaccharide on Sensory TRP Channels of Dorsal Root Ganglion Sensory Neurons. Biophysical Journal, 2015, 108, 284a-285a.	0.5	0

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91	(18F)FDG-PET brain imaging during the micturition cycle in rats detects regions involved in bladder afferent signalling. EJNMMI Research, 2015, 5, 55.	2.5	5
92	Osmosensation in TRPV2 dominant negative expressing skeletal muscle fibres. Journal of Physiology, 2015, 593, 3849-3863.	2.9	19
93	A TRiP to the plasma membrane. Temperature, 2015, 2, 163-165.	3.0	0
94	Restoration of Progranulin Expression Rescues Cortical Neuron Generation in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia. Stem Cell Reports, 2015, 4, 16-24.	4.8	62
95	TRPV4 participates in the establishment of trailing adhesions and directional persistence of migrating cells. Pflugers Archiv European Journal of Physiology, 2015, 467, 2107-2119.	2.8	31
96	TRPM3 in temperature sensing and beyond. Temperature, 2015, 2, 201-213.	3.0	58
97	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
98	Regulation of the transient receptor potential channel TRPM3 by phosphoinositides. Journal of General Physiology, 2015, 146, 51-63.	1.9	62
99	Activation of TRPM3 by a potent synthetic ligand reveals a role in peptide release. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1363-72.	7.1	105
100	Functional expression of transient receptor potential channels in human endometrial stromal cells during the luteal phase of the menstrual cycle. Human Reproduction, 2015, 30, 1421-1436.	0.9	37
101	Essential Role of Transient Receptor Potential M8 (TRPM8) in a Model of Acute Cold-induced Urinary Urgency. European Urology, 2015, 68, 655-661.	1.9	45
102	The Ca2+-activated cation channel TRPM4 is a negative regulator of angiotensin II-induced cardiac hypertrophy. Basic Research in Cardiology, 2015, 110, 43.	5.9	55
103	Transient receptor potential channel modulators as pharmacological treatments for lower urinary tract symptoms (<scp>LUTS</scp>): myth or reality?. BJU International, 2015, 115, 686-697.	2.5	31
104	Structure of the SthK Carboxy-Terminal Region Reveals a Gating Mechanism for Cyclic Nucleotide-Modulated Ion Channels. PLoS ONE, 2015, 10, e0116369.	2.5	31
105	TRP Channels and Thermosensation. Handbook of Experimental Pharmacology, 2014, 223, 729-741.	1.8	40
106	<scp>TRP</scp> channels in lower urinary tract dysfunction. British Journal of Pharmacology, 2014, 171, 2537-2551.	5.4	54
107	Cannabidiol exerts sebostatic and antiinflammatory effects on human sebocytes. Journal of Clinical Investigation, 2014, 124, 3713-3724.	8.2	199
108	Activation and Sensitization of the Capsaicin Receptor TRPV1 by Allyl Isothiocyanate. Biophysical Journal, 2014, 106, 337a.	0.5	4

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109	Allyl isothiocyanate sensitizes TRPV1 to heat stimulation. Pflugers Archiv European Journal of Physiology, 2014, 466, 507-515.	2.8	43
110	Cav3.2 calcium channels: The key protagonist in the supraspinal effect of paracetamol. Pain, 2014, 155, 764-772.	4.2	52
111	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
112	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
113	Opening of an alternative ion permeation pathway in a nociceptor TRP channel. Nature Chemical Biology, 2014, 10, 188-195.	8.0	86
114	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
115	TRPM3 - A Promising Target for Analgesic Treatment. Biophysical Journal, 2014, 106, 754a.	0.5	0
116	Increased Î²-Adrenergic Inotropy in Ventricular Myocardium From Trpm4 ^{â^'/â^'} Mice. Circulation Research, 2014, 114, 283-294.	4.5	81
117	Peripheral thermosensation in mammals. Nature Reviews Neuroscience, 2014, 15, 573-589.	10.2	304
118	TRPA1 channels mediate acute neurogenic inflammation and pain produced by bacterial endotoxins. Nature Communications, 2014, 5, 3125.	12.8	361
119	Cellular Regulation of Transient Receptor Potential Melastatin 3 (TRPM3) Channel Activity. Biophysical Journal, 2014, 106, 334a.	0.5	1
120	Species-Dependent Effects of Mustard Oil on TRPM8. Biophysical Journal, 2014, 106, 337a.	0.5	0
121	Pharmacological Properties of Cinnamaldehyde on NaChBac. Biophysical Journal, 2014, 106, 132a.	0.5	0
122	The Trpa1 Agonist Cinnamaldehyde Acts as a Local Anesthetic Inhibiting Voltage-Gated Sodium Channels in Sensory Neurons. Biophysical Journal, 2014, 106, 326a-327a.	0.5	2
123	Two Distinct Modes of Action of TRPM8 Agonists. Biophysical Journal, 2014, 106, 337a.	0.5	0
124	Distinct modes of perimembrane TRP channel turnover revealed by TIR-FRAP. Scientific Reports, 2014, 4, 7111.	3.3	15
125	Systematic and quantitative mRNA expression analysis of TRP channel genes at the single trigeminal and dorsal root ganglion level in mouse. BMC Neuroscience, 2013, 14, 21.	1.9	115
126	Bimodal effects of cinnamaldehyde and camphor on mouse TRPA1. Pflugers Archiv European Journal of Physiology, 2013, 465, 853-864.	2.8	61

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127	Crucial Role of Transient Receptor Potential Ankyrin 1 and Mast Cells in Induction of Nonallergic Airway Hyperreactivity in Mice. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 486-493.	5.6	85
128	Biochemical, Functional and Structural Characterization of a Family of Prokaryote Voltage-Gated Calcium Channels. Biophysical Journal, 2013, 104, 462a.	0.5	0
129	Lack of correlation between the amplitudes of TRP channel-mediated responses to weak and strong stimuli in intracellular Ca2+ imaging experiments. Cell Calcium, 2013, 54, 362-374.	2.4	10
130	31 THE ROLE OF TRPA1 IN THE BLADDER COOLING REFLEX; A POSSIBLE NEW THERAPEUTIC TARGET. Journal of Urology, 2013, 189, .	0.4	1
131	105 BLADDER DYSFUNCTION IN MICE WITH EXPERIMENTAL AUTOIMMUNE ENCEPHALITIS IS A MODEL FOR NEUROGENIC OAB IN MULTIPLE SCLEROSIS. Journal of Urology, 2013, 189, .	0.4	0
132	Re: Ferdinando Fusco, Roberta dâ€™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. Eur Urol 2012;62:1174â€“80. European Urology, 2013, 63, e57-e58.	1.9	0
133	Chronic Administration of Anticholinergics in Rats Induces a Shift from Muscarinic to Purinergic Transmission in the Bladder Wall. European Urology, 2013, 64, 502-510.	1.9	22
134	115 WHY ANTICHOLINERGICS FAIL: CHRONIC OXYBUTYNIN AND FESOTERODINE INDUCE A SHIFT FROM MUSCARINERGIC TO PURINERGIC TRANSMISSION IN THE RAT BLADDER. Journal of Urology, 2013, 189, .	0.4	0
135	The puzzle of TRPV4 channelopathies. EMBO Reports, 2013, 14, 152-163.	4.5	252
136	Mechanisms of Transient Receptor Potential Vanilloid 1 Activation and Sensitization by Allyl Isothiocyanate. Molecular Pharmacology, 2013, 84, 325-334.	2.3	77
137	The puzzle of TRPV4 channelopathies. EMBO Reports, 2013, 14, 845-845.	4.5	6
138	Bladder dysfunction in a transgenic mouse model of multiple system atrophy. Movement Disorders, 2013, 28, 347-355.	3.9	50
139	Crucial Role of TRPC1 and TRPC4 in Cystitis-Induced Neuronal Sprouting and Bladder Overactivity. PLoS ONE, 2013, 8, e69550.	2.5	24
140	TRP channel blamed for burning cold after a tropical fish meal. EMBO Journal, 2012, 31, 3785-3787.	7.8	6
141	Cholesterol loss during glutamate-mediated excitotoxicity. EMBO Journal, 2012, 31, 1764-1773.	7.8	83
142	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
143	<scp>TRP</scp> Channels. , 2012, 2, 563-608.		134
144	The Use of Cystometry in Small Rodents: A Study of Bladder Chemosensation. Journal of Visualized Experiments, 2012, , e3869.	0.3	30

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145	Pore and Gating Properties of TRPM3 Isoforms. Biophysical Journal, 2012, 102, 342a.	0.5	0
146	Quantifying and Modeling the Temperature-Dependent Gating of TRP Channels. , 2012, 162, 91-119.		50
147	Molecular actions of smoking cessation drugs at Î±4Î²2 nicotinic receptors defined in crystal structures of a homologous binding protein. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9173-9178.	7.1	65
148	Ano6 functions as a positive modulator of volumeâ€•regulated anion channels. FASEB Journal, 2012, 26, 695.2.	0.5	0
149	Molecular Determinants of TRPV1 Stimulation by Mustard Oil. Biophysical Journal, 2011, 100, 108a.	0.5	1
150	Transient Receptor Potential Melastatin 3 Channel. Biophysical Journal, 2011, 100, 109a.	0.5	0
151	TRPM3 Is a Nociceptor Channel Involved in the Detection of Noxious Heat. Neuron, 2011, 70, 482-494.	8.1	454
152	Re: Inhibition of the Cation Channel TRPV4 Improves Bladder Function in Mice and Rats With Cyclophosphamide-Induced Cystitis. Journal of Urology, 2011, 186, 753-753.	0.4	3
153	TRP channels in neurogastroenterology: opportunities for therapeutic intervention. British Journal of Pharmacology, 2011, 162, 18-37.	5.4	77
154	Ligand stoichiometry of the coldâ€•and mentholâ€•activated channel TRPM8. Journal of Physiology, 2011, 589, 4827-4835.	2.9	36
155	The Capsaicin Receptor TRPV1 Is a Crucial Mediator of the Noxious Effects of Mustard Oil. Current Biology, 2011, 21, 316-321.	3.9	189
156	GIS-based assessment of the biomass potential from phytoremediation of contaminated agricultural land in the Campine region in Belgium. Biomass and Bioenergy, 2011, 35, 4469-4480.	5.7	26
157	Functional characterization of a chronic cyclophosphamideâ€•induced overactive bladder model in mice. Neurourology and Urodynamics, 2011, 30, 1659-1665.	1.5	73
158	Trpv5/6 is vital for epithelial calcium uptake and bone formation. FASEB Journal, 2011, 25, 3197-3207.	0.5	57
159	VEGF modulates NMDA receptors activity in cerebellar granule cells through Src-family kinases before synapse formation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13782-13787.	7.1	41
160	Modulation of the cold-activated cation channel TRPM8 by surface charge screening. Journal of Physiology, 2010, 588, 315-324.	2.9	22
161	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
162	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

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163	Functional characterization of transient receptor potential channels in mouse urothelial cells. American Journal of Physiology - Renal Physiology, 2010, 298, F692-F701.	2.7	135
164	A Reduction of Glucose-Induced Bursting Frequency in Pancreatic Islets Correlates with Decreased Insulin Release and Impaired Glucose Tolerance in TRPM5-/- Mice. Biophysical Journal, 2010, 98, 345a.	0.5	0
165	TRPV1 Activation by Allyl Isothiocyanate. Biophysical Journal, 2010, 98, 342a.	0.5	1
166	Clotrimazole Potentiates TRPM3 Responses to Pregnenolone Sulfate. Biophysical Journal, 2010, 98, 341a.	0.5	0
167	Agonist-Induced Changes in Ca2+ Permeation through the Nociceptor Cation Channel TRPA1. Biophysical Journal, 2010, 98, 773-783.	0.5	107
168	Ligand Stoichiometry of TRPM8. Biophysical Journal, 2010, 98, 341a.	0.5	0
169	Increased catecholamine secretion contributes to hypertension in TRPM4-deficient mice. Journal of Clinical Investigation, 2010, 120, 3267-3279.	8.2	134
170	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
171	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
172	TRPCs, GPCRs and the Bayliss effect. EMBO Journal, 2009, 28, 4-5.	7.8	26
173	Nicotine activates the chemosensory cation channel TRPA1. Nature Neuroscience, 2009, 12, 1293-1299.	14.8	214
174	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
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