

# Christoph Romanin

## 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.

141  
papers

7,163  
citations

48  
h-index

79  
g-index

162  
ext. papers

7,877  
ext. citations

5.4  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
141	"Functional communication between IPR and STIM2 at subthreshold stimuli is a critical checkpoint for initiation of SOCE".. <i>Cell Calcium</i> , <b>2022</b> , 104, 102574	4	
140	Interhelical interactions within the STIM1 CC1 domain modulate CRAC channel activation. <i>Nature Chemical Biology</i> , <b>2021</b> , 17, 196-204	11.7	10
139	CRAC channel opening is determined by a series of Orai1 gating checkpoints in the transmembrane and cytosolic regions. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100224	5.4	9
138	Resonance assignment of coiled-coil 3 (CC3) domain of human STIM1. <i>Biomolecular NMR Assignments</i> , <b>2021</b> , 15, 433-439	0.7	
137	Defects in the STIM1 SOAR domain affect multiple steps in the CRAC channel activation cascade. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 6645-6667	10.3	0
136	Commentary to Baraniak et al. "Orai channel C-terminal peptides are key modulators of STIM-Orai coupling and calcium signal generation" published in cell reports 35: 109322. <i>Cell Calcium</i> , <b>2021</b> , 98, 102455	4	
135	Natural photoswitches expose STIM1 activation steps. <i>Cell Calcium</i> , <b>2020</b> , 90, 102240	4	2
134	STIM Proteins: An Ever-Expanding Family. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 22,	6.3	9
133	Natural product inspired optimization of a selective TRPV6 calcium channel inhibitor. <i>RSC Medicinal Chemistry</i> , <b>2020</b> , 11, 1032-1040	3.5	6
132	Inactivation-mimicking block of the epithelial calcium channel TRPV6. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	6
131	Mechanism of STIM activation. <i>Current Opinion in Physiology</i> , <b>2020</b> , 17, 74-79	2.6	11
130	Lipid-independent control of endothelial and neuronal TRPC3 channels by light. <i>Chemical Science</i> , <b>2019</b> , 10, 2837-2842	9.4	14
129	A novel STIM1-Orai1 gating interface essential for CRAC channel activation. <i>Cell Calcium</i> , <b>2019</b> , 79, 57-67	4	25
128	Photoswitchable Inhibitor of the Calcium Channel TRPV6. <i>ACS Medicinal Chemistry Letters</i> , <b>2019</b> , 10, 1341-1345	1.3	1345
127	Sequential activation of STIM1 links Ca with luminal domain unfolding. <i>Science Signaling</i> , <b>2019</b> , 12,	8.8	21
126	STIM1 activation of Orai1. <i>Cell Calcium</i> , <b>2019</b> , 77, 29-38	4	41
125	A dual mechanism promotes switching of the Stormorken STIM1 R304W mutant into the activated state. <i>Nature Communications</i> , <b>2018</b> , 9, 825	17.4	33

124	Communication between N terminus and loop2 tunes Orai activation. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 1271-1285	5.4	27
123	Authentic CRAC channel activity requires STIM1 and the conserved portion of the Orai N terminus. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 1259-1270	5.4	26
122	An optically controlled probe identifies lipid-gating fenestrations within the TRPC3 channel. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 396-404	11.7	49
121	Rapid NMR-scale purification of N,C isotope-labeled recombinant human STIM1 coiled coil fragments. <i>Protein Expression and Purification</i> , <b>2018</b> , 146, 45-50	2	10
120	Multiple Evidenz ff einen ungewfnlichen Wechselwirkungsmodus zwischen Calmodulin und Orai-Proteinen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15962-15967	3.6	
119	Detailed Evidence for an Unparalleled Interaction Mode between Calmodulin and Orai Proteins. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15755-15759	16.4	7
118	Investigations on the distribution of polymer additives in polypropylene using confocal fluorescence microscopy. <i>International Journal of Polymer Analysis and Characterization</i> , <b>2017</b> , 22, 692-698	1.7	6
117	The STIM-Orai Pathway: The Interactions Between STIM and Orai. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 993, 59-81	3.6	14
116	Transmembrane helix connectivity in Orai1 controls two gates for calcium-dependent transcription. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	53
115	Molecular mechanisms of STIM/Orai communication. <i>American Journal of Physiology - Cell Physiology</i> , <b>2016</b> , 310, C643-62	5.4	84
114	Cholesterol modulates Orai1 channel function. <i>Science Signaling</i> , <b>2016</b> , 9, ra10	8.8	62
113	Live-cell imaging of ER-PM contact architecture by a novel TIRFM approach reveals extension of junctions in response to store-operated Ca-entry. <i>Scientific Reports</i> , <b>2016</b> , 6, 35656	4.9	18
112	The STIM1: Orai Interaction. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 898, 25-46	3.6	19
111	Missense mutation in immunodeficient patients shows the multifunctional roles of coiled-coil domain 3 (CC3) in STIM1 activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 6206-11	11.5	45
110	A calcium-accumulating region, CAR, in the channel Orai1 enhances Ca(2+) permeation and SOCE-induced gene transcription. <i>Science Signaling</i> , <b>2015</b> , 8, ra131	8.8	44
109	TRPV6 calcium channel translocates to the plasma membrane via Orai1-mediated mechanism and controls cancer cell survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E3870-9	11.5	73
108	Complex role of STIM1 in the activation of store-independent Orai1/3 channels. <i>Journal of General Physiology</i> , <b>2014</b> , 143, 345-59	3.4	57
107	A coiled-coil clamp controls both conformation and clustering of stromal interaction molecule 1 (STIM1). <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 33231-44	5.4	85

106	Complex role of STIM1 in the activation of store-independent Orai1/3 channels. <i>Journal of Cell Biology</i> , <b>2014</b> , 204, 2045OIA34	7.3	
105	The action of selective CRAC channel blockers is affected by the Orai pore geometry. <i>Cell Calcium</i> , <b>2013</b> , 53, 139-51	4	92
104	Direct association of the reticulon protein RTN1A with the ryanodine receptor 2 in neurons. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 1421-33	4.9	11
103	A novel homology model of TRPC3 reveals allosteric coupling between gate and selectivity filter. <i>Cell Calcium</i> , <b>2013</b> , 54, 175-85	4	19
102	STIM1/Orai1 coiled-coil interplay in the regulation of store-operated calcium entry. <i>Nature Communications</i> , <b>2013</b> , 4, 2963	17.4	152
101	Inhibition of Orai1-mediated Ca(2+) entry is a key mechanism of the antiproliferative action of sirolimus in human arterial smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 305, H1646-57	5.2	16
100	Mechanisms of STIM1 activation of store-independent leukotriene C4-regulated Ca2+ channels. <i>Molecular and Cellular Biology</i> , <b>2013</b> , 33, 3715-23	4.8	44
99	Store-independent Orai1/3 channels activated by intracrine leukotriene C4: role in neointimal hyperplasia. <i>Circulation Research</i> , <b>2013</b> , 112, 1013-25	15.7	93
98	The extended transmembrane Orai1 N-terminal (ETON) region combines binding interface and gate for Orai1 activation by STIM1. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 29025-34	5.4	85
97	The STIM1/Orai signaling machinery. <i>Channels</i> , <b>2013</b> , 7, 330-43	3	36
96	Laser microstructuring of photomodified fluorinated ethylene propylene surface for confined growth of Chinese hamster ovary cells and single cell isolation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2012</b> , 100, 170-6	3.5	5
95	Novel pyrazole compounds for pharmacological discrimination between receptor-operated and store-operated Ca(2+) entry pathways. <i>British Journal of Pharmacology</i> , <b>2012</b> , 167, 1712-22	8.6	129
94	Laser-induced periodic surface structures (LIPSS) on polymer surfaces <b>2012</b> ,		5
93	Nanopatterned polymer substrates promote endothelial proliferation by initiation of E-cadherin transcriptional signaling. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 2953-62	10.8	34
92	Ca(2+) release-activated Ca(2+) (CRAC) current, structure, and function. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 4163-76	10.3	48
91	Gating and permeation of Orai channels. <i>Frontiers in Bioscience - Landmark</i> , <b>2012</b> , 17, 1304-22	2.8	18
90	Structure, regulation and biophysics of I(CRAC), STIM/Orai1. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 740, 383-410	3.6	28
89	The STIM-Orai Pathway <b>2012</b> , 45-56		1

88	Canonical transient receptor potential (TRPC) 1 acts as a negative regulator for vanilloid TRPV6-mediated Ca <sup>2+</sup> influx. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 35612-35620	5.4	40
87	PKC-dependent coupling of calcium permeation through transient receptor potential canonical 3 (TRPC3) to calcineurin signaling in HL-1 myocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 10556-61	11.5	66
86	STIM1 couples to ORAI1 via an intramolecular transition into an extended conformation. <i>EMBO Journal</i> , <b>2011</b> , 30, 1678-89	13	183
85	Extending optogenetics to a Ca(2+)-selective channel. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 820-1		
84	Cooperativeness of Orai cytosolic domains tunes subtype-specific gating. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 8577-8584	5.4	40
83	Auto-inhibitory role of the EF-SAM domain of STIM proteins in store-operated calcium entry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 1337-42	11.5	108
82	Molecular determinants within N terminus of Orai3 protein that control channel activation and gating. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 31565-75	5.4	36
81	Dynamics of Spreading and Alignment of Cells Cultured In Vitro on a Grooved Polymer Surface. <i>Journal of Nanomaterials</i> , <b>2011</b> , 2011, 1-10	3.2	23
80	Lpe10p modulates the activity of the Mrs2p-based yeast mitochondrial Mg <sup>2+</sup> channel. <i>FEBS Journal</i> , <b>2010</b> , 277, 3514-25	5.7	9
79	Resting state Orai1 diffuses as homotetramer in the plasma membrane of live mammalian cells. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 41135-42	5.4	85
78	Cell-cell contact formation governs Ca <sup>2+</sup> signaling by TRPC4 in the vascular endothelium: evidence for a regulatory TRPC4-beta-catenin interaction. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 4213-4223	5.4	41
77	Orai1 contributes to the establishment of an apoptosis-resistant phenotype in prostate cancer cells. <i>Cell Death and Disease</i> , <b>2010</b> , 1, e75	9.8	144
76	EUV micropatterning for biocompatibility control of PET. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 100, 511-516	2.6	28
75	A Cytosolic Homomerization and a Modulatory Domain within STIM1 C Terminus Determine Coupling to ORAI1 Channels. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 8421-6	5.4	264
74	Increased hydrophobicity at the N terminus/membrane interface impairs gating of the severe combined immunodeficiency-related ORAI1 mutant. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 15903-15915	5.4	64
73	Molecular determinants of the coupling between STIM1 and Orai channels: differential activation of Orai1-3 channels by a STIM1 coiled-coil mutant. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 21696-706	5.4	124
72	A Ca <sup>2+</sup> release-activated Ca <sup>2+</sup> (CRAC) modulatory domain (CMD) within STIM1 mediates fast Ca <sup>2+</sup> -dependent inactivation of ORAI1 channels. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 24933-8	5.4	104
71	Recent progress on STIM1 domains controlling Orai activation. <i>Cell Calcium</i> , <b>2009</b> , 46, 227-32	4	38

70	Mechanistic view on domains mediating STIM1-Orai coupling. <i>Immunological Reviews</i> , <b>2009</b> , 231, 99-112	11.3	91
69	Plasticity in Ca <sup>2+</sup> selectivity of Orai1/Orai3 heteromeric channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 19623-8	11.5	57
68	Identification of a rare subset of adipose tissue-resident progenitor cells, which express CD133 and TRPC3 as a VEGF-regulated Ca <sup>2+</sup> entry channel. <i>FEBS Letters</i> , <b>2008</b> , 582, 2696-702	3.8	24
67	The first ankyrin-like repeat is the minimum indispensable key structure for functional assembly of homo- and heteromeric TRPC4/TRPC5 channels. <i>Cell Calcium</i> , <b>2008</b> , 43, 260-9	4	34
66	CRAC inhibitors: identification and potential. <i>Expert Opinion on Drug Discovery</i> , <b>2008</b> , 3, 787-800	6.2	26
65	Micropatterned atmospheric pressure discharge surface modification of fluorinated polymer films for mammalian cell adhesion and protein binding. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 92, 547-555	2.6	6
64	Electroporation chip for adherent cells on photochemically modified polymer surfaces. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 013901	3.4	20
63	2-aminoethoxydiphenyl borate alters selectivity of Orai3 channels by increasing their pore size. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 20261-7	5.4	124
62	Dynamic coupling of the putative coiled-coil domain of ORAI1 with STIM1 mediates ORAI1 channel activation. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 8014-22	5.4	335
61	The STIM/Orai coupling machinery. <i>Channels</i> , <b>2008</b> , 2, 261-8	3	83
60	Modulation of voltage- and Ca <sup>2+</sup> -dependent gating of CaV1.3 L-type calcium channels by alternative splicing of a C-terminal regulatory domain. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 20733-44	5.4	105
59	Cytosolic Ca <sup>2+</sup> prevents the subplasmalemmal clustering of STIM1: an intrinsic mechanism to avoid Ca <sup>2+</sup> overload. <i>Journal of Cell Science</i> , <b>2008</b> , 121, 3133-9	5.3	56
58	Proliferation of aligned mammalian cells on laser-nanostructured polystyrene. <i>Biomaterials</i> , <b>2008</b> , 29, 1796-806	15.6	195
57	Mrs2p forms a high conductance Mg <sup>2+</sup> selective channel in mitochondria. <i>Biophysical Journal</i> , <b>2007</b> , 93, 3872-83	2.9	67
56	Characterization and cytocompatibility of carbon layers prepared by photo-induced chemical vapor deposition. <i>Thin Solid Films</i> , <b>2007</b> , 515, 6765-6772	2.2	29
55	Phospholipase C-dependent control of cardiac calcium homeostasis involves a TRPC3-NCX1 signaling complex. <i>Cardiovascular Research</i> , <b>2007</b> , 73, 111-9	9.9	73
54	UV surface modification of a new nanocomposite polymer to improve cytocompatibility. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2007</b> , 18, 453-68	3.5	25
53	Assembly domains in TRP channels. <i>Biochemical Society Transactions</i> , <b>2007</b> , 35, 84-5	5.1	30

52	TRPC3 and TRPC4 associate to form a redox-sensitive cation channel. Evidence for expression of native TRPC3-TRPC4 heteromeric channels in endothelial cells. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 13588-13595	5.4	171
51	Cellular cholesterol controls TRPC3 function: evidence from a novel dominant-negative knockdown strategy. <i>Biochemical Journal</i> , <b>2006</b> , 396, 147-55	3.8	44
50	C-terminal modulator controls Ca <sup>2+</sup> -dependent gating of Ca(v)1.4 L-type Ca <sup>2+</sup> channels. <i>Nature Neuroscience</i> , <b>2006</b> , 9, 1108-16	25.5	118
49	Dynamic but not constitutive association of calmodulin with rat TRPV6 channels enables fine tuning of Ca <sup>2+</sup> -dependent inactivation. <i>Journal of Physiology</i> , <b>2006</b> , 577, 31-44	3.9	92
48	Protein-Protein Interactions in TRPC Channel Complexes. <i>Frontiers in Neuroscience</i> , <b>2006</b> , 331-348		
47	Membrane binding of beta2-glycoprotein I can be described by a two-state reaction model: an atomic force microscopy and surface plasmon resonance study. <i>Biochemical Journal</i> , <b>2005</b> , 389, 665-73	3.8	43
46	Cell microarrays on photochemically modified polytetrafluoroethylene. <i>Biomaterials</i> , <b>2005</b> , 26, 5572-80	15.6	58
45	Na <sup>(+)</sup> entry and modulation of Na <sup>(+)</sup> /Ca <sup>(2+)</sup> exchange as a key mechanism of TRPC signaling. <i>Pflügers Archiv European Journal of Physiology</i> , <b>2005</b> , 451, 99-104	4.6	47
44	The Run-Down Phenomenon of Ca <sup>2+</sup> Channels <b>2005</b> , 219-230		7
43	Ca <sup>(2+)</sup> signaling by TRPC3 involves Na <sup>(+)</sup> entry and local coupling to the Na <sup>(+)</sup> /Ca <sup>(2+)</sup> exchanger. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 13696-704	5.4	144
42	CaT1 knock-down strategies fail to affect CRAC channels in mucosal-type mast cells. <i>Journal of Physiology</i> , <b>2004</b> , 557, 121-32	3.9	39
41	Adhesion and proliferation of human vascular cells on UV-light-modified polymers. <i>Biotechnology and Applied Biochemistry</i> , <b>2004</b> , 39, 59-69	2.8	20
40	Voltage-gated rearrangements associated with differential beta-subunit modulation of the L-type Ca <sup>(2+)</sup> channel inactivation. <i>Biophysical Journal</i> , <b>2004</b> , 87, 844-57	2.9	31
39	Oriented binding of the His <sup>6</sup> -tagged carboxyl-tail of the L-type Ca <sup>2+</sup> channel alpha1-subunit to a new NTA-functionalized self-assembled monolayer. <i>Langmuir</i> , <b>2004</b> , 20, 5885-90	4	29
38	Co-localization of CD3 and prion protein in Jurkat lymphocytes after hypothermal stimulation. <i>FEBS Letters</i> , <b>2004</b> , 566, 121-5	3.8	11
37	Crosstalk between voltage-independent Ca <sup>2+</sup> channels and L-type Ca <sup>2+</sup> channels in A7r5 vascular smooth muscle cells at elevated intracellular pH: evidence for functional coupling between L-type Ca <sup>2+</sup> channels and a 2-APB-sensitive cation channel. <i>Circulation Research</i> , <b>2003</b> , 92, 888-96	15.7	26
36	Cell adhesion on polytetrafluoroethylene modified by UV-irradiation in an ammonia atmosphere. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2003</b> , 67, 130-7	5.4	47
35	Heterobifunctional crosslinkers for tethering single ligand molecules to scanning probes. <i>Analytica Chimica Acta</i> , <b>2003</b> , 497, 101-114	6.6	74



34	Simple test system for single molecule recognition force microscopy. <i>Analytica Chimica Acta</i> , <b>2003</b> , 479, 59-75	6.6	174
33	Adhesion and proliferation of human endothelial cells on photochemically modified polytetrafluoroethylene. <i>Biomaterials</i> , <b>2003</b> , 24, 5139-44	15.6	68
32	Store depletion-activated CaT1 currents in rat basophilic leukemia mast cells are inhibited by 2-aminoethoxydiphenyl borate. Evidence for a regulatory component that controls activation of both CaT1 and CRAC (Ca(2+) release-activated Ca(2+) channel) channels. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 26950-8	5.4	74
31	S-nitrosation controls gating and conductance of the alpha 1 subunit of class C L-type Ca(2+) channels. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 14797-803	5.4	50
30	Single-molecule imaging of l-type Ca(2+) channels in live cells. <i>Biophysical Journal</i> , <b>2001</b> , 81, 2639-46	2.9	167
29	Expression of Trp3 determines sensitivity of capacitative Ca2+ entry to nitric oxide and mitochondrial Ca2+ handling: evidence for a role of Trp3 as a subunit of capacitative Ca2+ entry channels. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 48149-58	5.4	26
28	Modulation of the smooth-muscle L-type Ca2+ channel $\beta$ subunit ( $\beta$ C-b) by the $\alpha$ subunit: a peptide which inhibits binding of $\beta$ to the I-II linker of $\beta$ induces functional uncoupling. <i>Biochemical Journal</i> , <b>2000</b> , 348, 657	3.8	16
27	Modulation of the smooth-muscle L-type Ca2+ channel $\beta$ subunit ( $\beta$ C-b) by the $\alpha$ subunit: a peptide which inhibits binding of $\beta$ to the I-II linker of $\beta$ induces functional uncoupling. <i>Biochemical Journal</i> , <b>2000</b> , 348, 657-665	3.8	44
26	Molecular determinant for run-down of L-type Ca2+ channels localized in the carboxyl terminus of the 1C subunit. <i>Journal of Physiology</i> , <b>2000</b> , 529 Pt 1, 119-30	3.9	27
25	Coassembly of Trp1 and Trp3 proteins generates diacylglycerol- and Ca2+-sensitive cation channels. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 27799-805	5.4	247
24	ATP-induced activation of expressed RyR3 at low free calcium. <i>FEBS Letters</i> , <b>2000</b> , 471, 256-60	3.8	15
23	A sequence in the carboxy-terminus of the alpha(1C) subunit important for targeting, conductance and open probability of L-type Ca(2+) channels. <i>FEBS Letters</i> , <b>2000</b> , 477, 161-9	3.8	26
22	Ca(2+) sensors of L-type Ca(2+) channel. <i>FEBS Letters</i> , <b>2000</b> , 487, 301-6	3.8	68
21	Corrigendum to: Trp proteins form store-operated cation channels in human vascular endothelial cells (FEBS 20791). <i>FEBS Letters</i> , <b>1999</b> , 442, 122-122	3.8	
20	Removing non-random artifacts from patch clamp traces. <i>Journal of Neuroscience Methods</i> , <b>1998</b> , 82, 175-86	3	3
19	Trp proteins form store-operated cation channels in human vascular endothelial cells. <i>FEBS Letters</i> , <b>1998</b> , 437, 101-6	3.8	132
18	Intracellular Ca2+ inhibits smooth muscle L-type Ca2+ channels by activation of protein phosphatase type 2B and by direct interaction with the channel. <i>Journal of General Physiology</i> , <b>1997</b> , 110, 503-13	3.4	76
17	Intracellular Ca2+ inactivates L-type Ca2+ channels with a Hill coefficient of approximately 1 and an inhibition constant of approximately 4 microM by reducing channels' open probability. <i>Biophysical Journal</i> , <b>1997</b> , 73, 1857-65	2.9	40



16	Estimating the number of channels in patch-clamp recordings: application to kinetic analysis of multichannel data from voltage-operated channels. <i>Biophysical Journal</i> , <b>1997</b> , 72, 1143-52	2.9	14
15	Essential role of the beta subunit in modulation of C-class L-type Ca <sup>2+</sup> channels by intracellular pH. <i>FEBS Letters</i> , <b>1997</b> , 408, 75-80	3.8	23
14	Inhibition of a store-operated Ca <sup>2+</sup> entry pathway in human endothelial cells by the isoquinoline derivative LOE 908. <i>British Journal of Pharmacology</i> , <b>1996</b> , 119, 702-6	8.6	45
13	A type 2A phosphatase-sensitive phosphorylation site controls modal gating of L-type Ca <sup>2+</sup> channels in human vascular smooth-muscle cells. <i>Biochemical Journal</i> , <b>1996</b> , 318 ( Pt 2), 513-7	3.8	41
12	Action of calpastatin in prevention of cardiac L-type Ca <sup>2+</sup> channel run-down cannot be mimicked by synthetic calpain inhibitors. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1995</b> , 429, 503-10	4.6	19
11	Basal dephosphorylation controls slow gating of L-type Ca <sup>2+</sup> channels in human vascular smooth muscle. <i>FEBS Letters</i> , <b>1995</b> , 373, 30-4	3.8	8
10	Trypsin increases availability and open probability of cardiac L-type Ca <sup>2+</sup> channels without affecting inactivation induced by Ca <sup>2+</sup> . <i>Biophysical Journal</i> , <b>1995</b> , 69, 1847-57	2.9	28
9	The benzazepine/benzothiazepine binding domain of the cardiac L-type Ca <sup>2+</sup> channel is accessible only from the extracellular side. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1993</b> , 424, 552-4	4.6	20
8	Potent block of Cl <sup>-</sup> channels by antiallergic drugs. <i>Biochemical and Biophysical Research Communications</i> , <b>1992</b> , 188, 957-63	3.4	29
7	The dihydropyridine nifedipine inhibits T-type Ca <sup>2+</sup> currents in atrial myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1992</b> , 420, 410-2	4.6	42
6	Activity of cardiac L-type Ca <sup>2+</sup> channels is sensitive to cytoplasmic calcium. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1992</b> , 421, 516-8	4.6	28
5	Calpastatin and nucleotides stabilize cardiac calcium channel activity in excised patches. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1991</b> , 418, 86-92	4.6	53
4	Tolerance to nitroglycerin is caused by reduced guanylate cyclase activation. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1989</b> , 21, 41-8	5.8	36
3	Guanylate cyclase activation by organic nitrates is not mediated via nitrite. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1988</b> , 20, 389-96	5.8	27
2	Stabilitätsuntersuchungen an Bor-Stickstoff-Sauerstoff-Heterocyclen mittels <sup>11</sup> B-NMR-Spektroskopie. <i>Monatshefte für Chemie</i> , <b>1982</b> , 113, 1025-1035	1.4	24
1	A series of Orai1 gating checkpoints in transmembrane and cytosolic regions requires clearance for CRAC channel opening: Clearance and synergy of Orai1 gating checkpoints controls pore opening		2