

Søren-Peter Olesen

List of Publications by Year in descending order

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154
papers

10,767
citations

23500

58
h-index

35952

97
g-index

155
all docs

155
docs citations

155
times ranked

9858
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-copy insertion of transgenes in <i>Caenorhabditis elegans</i> . <i>Nature Genetics</i> , 2008, 40, 1375-1383.	9.4	1,057
2	Haemodynamic shear stress activates a K ⁺ current in vascular endothelial cells. <i>Nature</i> , 1988, 331, 168-170.	13.7	961
3	Electrical resistance of brain microvascular endothelium. <i>Brain Research</i> , 1982, 241, 49-55.	1.1	464
4	The KCNQ1 Potassium Channel: From Gene to Physiological Function. <i>Physiology</i> , 2005, 20, 408-416.	1.6	224
5	Characterization of the cloned human intermediate-conductance Ca ²⁺ -activated K ⁺ channel. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C848-C856.	2.1	210
6	Cardiac Potassium Channel Subtypes: New Roles in Repolarization and Arrhythmia. <i>Physiological Reviews</i> , 2014, 94, 609-653.	13.1	181
7	Identification of a Kir3.4 Mutation in Congenital Long QT Syndrome. <i>American Journal of Human Genetics</i> , 2010, 86, 872-880.	2.6	177
8	Pharmacological characterization of small-conductance Ca ²⁺ -activated K ⁺ channels stably expressed in HEK 293 cells. <i>British Journal of Pharmacology</i> , 2000, 129, 991-999.	2.7	164
9	Cloning, expression, and distribution of a Ca(2+)-activated K ⁺ channel beta-subunit from human brain.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9200-9205.	3.3	157
10	BK Channel Modulators: A Comprehensive Overview. <i>Current Medicinal Chemistry</i> , 2008, 15, 1126-1146.	1.2	145
11	Downregulation of Kv7.4 Channel Activity in Primary and Secondary Hypertension. <i>Circulation</i> , 2011, 124, 602-611.	1.6	139
12	KCNE4 is an inhibitory subunit to the KCNQ1 channel. <i>Journal of Physiology</i> , 2002, 542, 119-130.	1.3	135
13	Activation of Human ether-a-go-go-Related Gene Potassium Channels by the Diphenylurea 1,3-Bis-(2-hydroxy-5-trifluoromethyl-phenyl)-urea (NS1643). <i>Molecular Pharmacology</i> , 2006, 69, 266-277.	1.0	135
14	High Prevalence of Long QT Syndrome Associated <i>SCN5A</i> Variants in Patients With Early-Onset Lone Atrial Fibrillation. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 450-459.	5.1	129
15	BK channel activators and their therapeutic perspectives. <i>Frontiers in Physiology</i> , 2014, 5, 389.	1.3	120
16	Genetic variation in KCNA5: impact on the atrial-specific potassium current I _{Kur} in patients with lone atrial fibrillation. <i>European Heart Journal</i> , 2013, 34, 1517-1525.	1.0	119
17	Coronary Vasorelaxant Effect of Levosimendan, a New Inodilator with Calcium-Sensitizing Properties. <i>Journal of Cardiovascular Pharmacology</i> , 1998, 31, 741-749.	0.8	117
18	Pharmacological modulation of SK3 channels. <i>Neuropharmacology</i> , 2001, 40, 879-887.	2.0	116

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19	Apamin interacts with all subtypes of cloned small-conductance Ca ²⁺ -activated K ⁺ channels. <i>Pflügers Archiv European Journal of Physiology</i> , 2001, 441, 544-550.	1.3	116
20	The KCNQ1 potassium channel is down-regulated by ubiquitylating enzymes of the Nedd4/Nedd4-like family. <i>Cardiovascular Research</i> , 2007, 74, 64-74.	1.8	116
21	KCNQ4 channel activation by BMS-204352 and retigabine. <i>Neuropharmacology</i> , 2001, 40, 888-898.	2.0	114
22	Reduced KCNQ4-Encoded Voltage-Dependent Potassium Channel Activity Underlies Impaired β -Adrenoceptor-Mediated Relaxation of Renal Arteries in Hypertension. <i>Hypertension</i> , 2012, 59, 877-884.	1.3	113
23	Mechanism of Action of a Novel Humanether-a-go-go-Related Gene Channel Activator. <i>Molecular Pharmacology</i> , 2006, 69, 658-665.	1.0	112
24	Mutations in sodium channel β -subunit SCN3B are associated with early-onset lone atrial fibrillation. <i>Cardiovascular Research</i> , 2011, 89, 786-793.	1.8	112
25	The Small Molecule NS11021 Is a Potent and Specific Activator of Ca ²⁺ -Activated Big-Conductance K ⁺ Channels. <i>Molecular Pharmacology</i> , 2007, 72, 1033-1044.	1.0	106
26	Familial Aggregation of Lone Atrial Fibrillation in Young Persons. <i>Journal of the American College of Cardiology</i> , 2012, 60, 917-921.	1.2	105
27	A novel KCND3 gain-of-function mutation associated with early-onset of persistent lone atrial fibrillation. <i>Cardiovascular Research</i> , 2013, 98, 488-495.	1.8	104
28	Requirement of subunit co-assembly and ankyrin-G for M-channel localization at the axon initial segment. <i>Journal of Cell Science</i> , 2007, 120, 953-963.	1.2	103
29	KCNQ1 mutation Q147R is associated with atrial fibrillation and prolonged QT interval. <i>Heart Rhythm</i> , 2007, 4, 1532-1541.	0.3	103
30	Substances that rapidly augment ionic conductance of endothelium in cerebral venules. <i>Acta Physiologica Scandinavica</i> , 1986, 127, 233-241.	2.3	101
31	Characterization of NS 2028 as a specific inhibitor of soluble guanylyl cyclase. <i>British Journal of Pharmacology</i> , 1998, 123, 299-309.	2.7	101
32	KCNQ4 channels expressed in mammalian cells: functional characteristics and pharmacology. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C859-C866.	2.1	100
33	A transient outward potassium current activator recapitulates the electrocardiographic manifestations of Brugada syndrome. <i>Cardiovascular Research</i> , 2008, 81, 686-694.	1.8	99
34	KCNE5 Induces Time- and Voltage-Dependent Modulation of the KCNQ1 Current. <i>Biophysical Journal</i> , 2002, 83, 1997-2006.	0.2	98
35	Inhibition of T cell proliferation by selective block of Ca ²⁺ -activated K ⁺ channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 10917-10921.	3.3	88
36	An ERG Channel Inhibitor from the Scorpion <i>Buthus eupeus</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 9868-9876.	1.6	85

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37	Activation of big conductance Ca ²⁺ -activated K ⁺ channels (BK) protects the heart against ischemiaâ€“reperfusion injury. Pflugers Archiv European Journal of Physiology, 2009, 457, 979-988.	1.3	84
38	KCNQ1 Channels Sense Small Changes in Cell Volume. Journal of Physiology, 2003, 549, 419-427.	1.3	83
39	KCNMA1 Encoded Cardiac BK Channels Afford Protection against Ischemia-Reperfusion Injury. PLoS ONE, 2014, 9, e103402.	1.1	83
40	Modulation of the Ca ²⁺ -dependent K ⁺ Channel, hsk1, by the Substituted Diphenylurea NS 1608, Paxilline and Internal Ca ²⁺ . Neuropharmacology, 1996, 35, 903-914.	2.0	82
41	The acrylamide (S)-1 differentially affects Kv7 (KCNQ) potassium channels. Neuropharmacology, 2006, 51, 1068-1077.	2.0	80
42	Transmural expression of ion channels and transporters in human nondiseased and end-stage failing hearts. Pflugers Archiv European Journal of Physiology, 2009, 459, 11-23.	1.3	80
43	KCNE3 Mutation V17M Identified in a Patient with Lone Atrial Fibrillation. Cellular Physiology and Biochemistry, 2008, 21, 047-054.	1.1	78
44	Rapid increase in blood-brain barrier permeability during severe hypoxia and metabolic inhibition. Brain Research, 1986, 368, 24-29.	1.1	75
45	Activation of the human intermediate-conductance Ca ²⁺ -activated K ⁺ channel by 1-ethyl-2-benzimidazolinone is strongly Ca ²⁺ -dependent. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1420, 231-240.	1.4	75
46	Minimum Information about a Cardiac Electrophysiology Experiment (MICEE): Standardised reporting for model reproducibility, interoperability, and data sharing. Progress in Biophysics and Molecular Biology, 2011, 107, 4-10.	1.4	75
47	Contribution of K ^v 7 Channels to Basal Coronary Flow and Active Response to Ischemia. Hypertension, 2013, 62, 1090-1097.	1.3	74
48	Annotation of loci from genome-wide association studies using tissue-specific quantitative interaction proteomics. Nature Methods, 2014, 11, 868-874.	9.0	70
49	Leakiness of rat brain microvessels to fluorescent probes following craniotomy. Acta Physiologica Scandinavica, 1987, 130, 63-68.	2.3	69
50	Biophysical Characterization of the New Human Ether-A-Go-Go-Related Gene Channel Opener NS3623 [N-(4-Bromo-2-(1H-tetrazol-5-yl)-phenyl)-Nâ€“(3-trifluoromethylphenyl)urea]. Molecular Pharmacology, 2006, 70, 1319-1329.	1.0	67
51	Genetic variation in the two-pore domain potassium channel, TASK-1, may contribute to an atrial substrate for arrhythmogenesis. Journal of Molecular and Cellular Cardiology, 2014, 67, 69-76.	0.9	66
52	A calciumâ€“dependent reversible permeability increase in microvessels in frog brain, induced by serotonin.. Journal of Physiology, 1985, 361, 103-113.	1.3	64
53	Opening of large-conductance calcium-activated potassium channels by the substituted benzimidazolone NS004. Journal of Neurophysiology, 1994, 71, 1873-1882.	0.9	63
54	Activation of calcium-dependent potassium channels in rat brain neurons by neurotrophin-3 and nerve growth factor. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 1002-1006.	3.3	62

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55	Activation of KCNQ5 channels stably expressed in HEK293 cells by BMS-204352. <i>European Journal of Pharmacology</i> , 2002, 437, 129-137.	1.7	62
56	The genetic component of Brugada syndrome. <i>Frontiers in Physiology</i> , 2013, 4, 179.	1.3	62
57	Termination of Vernakalant-Resistant Atrial Fibrillation by Inhibition of Small-Conductance Ca ²⁺ -Activated K ⁺ Channels in Pigs. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	2.1	62
58	Fundamental role for the KCNE4 ancillary subunit in Kv7.4 regulation of arterial tone. <i>Journal of Physiology</i> , 2015, 593, 5325-5340.	1.3	61
59	Electrical resistance of muscle capillary endothelium. <i>Biophysical Journal</i> , 1983, 42, 31-41.	0.2	60
60	New Binding Site on Common Molecular Scaffold Provides HERG Channel Specificity of Scorpion Toxin BeKm-1. <i>Journal of Biological Chemistry</i> , 2002, 277, 43104-43109.	1.6	59
61	Stable expression of the human large-conductance Ca ²⁺ -activated K ⁺ -channel α - and β -subunits in HEK293 cells. <i>FEBS Letters</i> , 1997, 415, 67-70.	1.3	58
62	KCNE4 Is an Inhibitory Subunit to Kv1.1 and Kv1.3 Potassium Channels. <i>Biophysical Journal</i> , 2003, 85, 1525-1537.	0.2	58
63	Characterization of hERG1a and hERG1b potassium channels—a possible role for hERG1b in the I _{Kr} current. <i>Pflügers Archiv European Journal of Physiology</i> , 2008, 456, 1137-1148.	1.3	58
64	Free oxygen radicals decrease electrical resistance of microvascular endothelium in brain. <i>Acta Physiologica Scandinavica</i> , 1987, 129, 181-187.	2.3	57
65	The KCNQ5 potassium channel from mouse: A broadly expressed M-current like potassium channel modulated by zinc, pH, and volume changes. <i>Molecular Brain Research</i> , 2005, 139, 52-62.	2.5	56
66	Very early-onset lone atrial fibrillation patients have a high prevalence of rare variants in genes previously associated with atrial fibrillation. <i>Heart Rhythm</i> , 2014, 11, 246-251.	0.3	54
67	Magnetocardiography on an isolated animal heart with a room-temperature optically pumped magnetometer. <i>Scientific Reports</i> , 2018, 8, 16218.	1.6	53
68	Non-invasive detection of animal nerve impulses with an atomic magnetometer operating near quantum limited sensitivity. <i>Scientific Reports</i> , 2016, 6, 29638.	1.6	52
69	NS 004—a activator of Ca ²⁺ -dependent K ⁺ channels in cerebellar granule cells. <i>NeuroReport</i> , 1994, 5, 1001-1004.	0.6	50
70	Basolateral localisation of KCNQ1 potassium channels in MDCK cells: molecular identification of an N-terminal targeting motif. <i>Journal of Cell Science</i> , 2004, 117, 4517-4526.	1.2	50
71	BK channel activation by NS11021 decreases excitability and contractility of urinary bladder smooth muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R378-R384.	0.9	48
72	Differential effects of the transient outward K ⁺ current activator NS5806 in the canine left ventricle. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 191-200.	0.9	46

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73	Regulation of cloned, Ca ²⁺ -activated K ⁺ channels by cell volume changes. Pflugers Archiv European Journal of Physiology, 2002, 444, 167-177.	1.3	45
74	hERG1 channel activators: A new anti-arrhythmic principle. Progress in Biophysics and Molecular Biology, 2008, 98, 347-362.	1.4	45
75	Trafficking of Kv2.1 Channels to the Axon Initial Segment by a Novel Nonconventional Secretory Pathway. Journal of Neuroscience, 2017, 37, 11523-11536.	1.7	44
76	P _{2U} -purinoceptor-mediated formation of inositol phosphates and intracellular Ca ²⁺ transients in human coronary artery smooth muscle cells. British Journal of Pharmacology, 1996, 118, 1645-1652.	2.7	43
77	Subcellular localization of the delayed rectifier K ⁺ channels KCNQ1 and ERG1 in the rat heart. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1300-H1309.	1.5	40
78	Cell swelling activates cloned Ca ²⁺ -activated K ⁺ channels: a role for the F-actin cytoskeleton. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1615, 115-125.	1.4	39
79	Live Imaging of Kv7.2/7.3 Cell Surface Dynamics at the Axon Initial Segment: High Steady-State Stability and Calpain-Dependent Excitotoxic Downregulation Revealed. Journal of Neuroscience, 2016, 36, 2261-2266.	1.7	38
80	Hydralazine-induced vasodilation involves opening of high conductance Ca ²⁺ -activated K ⁺ channels. European Journal of Pharmacology, 1998, 361, 43-49.	1.7	37
81	AMP-Activated Protein Kinase Downregulates Kv7.1 Cell Surface Expression. Traffic, 2012, 13, 143-156.	1.3	36
82	Specific Sorting and Post-Golgi Trafficking of Dendritic Potassium Channels in Living Neurons. Journal of Biological Chemistry, 2014, 289, 10566-10581.	1.6	36
83	hKCNE4 inhibits the hKCNQ1 potassium current without affecting the activation kinetics. Biochemical and Biophysical Research Communications, 2005, 328, 1146-1153.	1.0	35
84	Myocardial structural, contractile and electrophysiological changes in the guinea-pig heart failure model induced by chronic sympathetic activation. Experimental Physiology, 2011, 96, 647-663.	0.9	35
85	High Throughput Electrophysiology: New Perspectives for Ion Channel Drug Discovery. Receptors and Channels, 2003, 9, 3-12.	1.1	35
86	Regulation of ion permeability in frog brain venules. Significance of calcium, cyclic nucleotides and protein kinase C. Journal of Physiology, 1987, 387, 59-68.	1.3	34
87	Deubiquitylating enzyme USP2 counteracts Nedd4-2-mediated downregulation of KCNQ1 potassium channels. Heart Rhythm, 2012, 9, 440-448.	0.3	34
88	Physiological consequences of transient outward K ⁺ current activation during heart failure in the canine left ventricle. Journal of Molecular and Cellular Cardiology, 2012, 52, 1291-1298.	0.9	34
89	A Phosphoinositide 3-Kinase (PI3K)-serum- and glucocorticoid-inducible Kinase 1 (SGK1) Pathway Promotes Kv7.1 Channel Surface Expression by Inhibiting Nedd4-2 Protein. Journal of Biological Chemistry, 2013, 288, 36841-36854.	1.6	34
90	TMEM16A is implicated in the regulation of coronary flow and is altered in hypertension. British Journal of Pharmacology, 2019, 176, 1635-1648.	2.7	34

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91	Pharmacological Activation of Rapid Delayed Rectifier Potassium Current Suppresses Bradycardia-Induced Triggered Activity in the Isolated Guinea Pig Heart. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 996-1002.	1.3	33
92	G-protein-coupled inward rectifier potassium current contributes to ventricular repolarization. <i>Cardiovascular Research</i> , 2014, 101, 175-184.	1.8	33
93	Activation of the human, intermediate-conductance, Ca ²⁺ -activated K ⁺ channel by methylxanthines. <i>Pflugers Archiv European Journal of Physiology</i> , 2000, 440, 809-818.	1.3	32
94	Modulation of ERG Channels by XE991. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007, 100, 316-322.	1.2	32
95	ATP-dependent closure and reactivation of inward rectifier K ⁺ channels in endothelial cells.. <i>Circulation Research</i> , 1993, 73, 492-495.	2.0	31
96	In Vivo Effects of the IKr Agonist NS3623 on Cardiac Electrophysiology of the Guinea Pig. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 52, 35-41.	0.8	31
97	Functional assessment of compound mutations in the KCNQ1 and KCNH2 genes associated with long QT syndrome. <i>Heart Rhythm</i> , 2005, 2, 1238-1249.	0.3	30
98	Comparison of the Effects of a Transient Outward Potassium Channel Activator on Currents Recorded from Atrial and Ventricular Cardiomyocytes. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 1057-1066.	0.8	30
99	Chloride-selective channels of large conductance in bovine aortic endothelial cells. <i>Acta Physiologica Scandinavica</i> , 1992, 144, 191-198.	2.3	29
100	NS19504: A Novel BK Channel Activator with Relaxing Effect on Bladder Smooth Muscle Spontaneous Phasic Contractions. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 350, 520-530.	1.3	29
101	Functional coupling between heterologously expressed dopamine D2 receptors and KCNQ channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 446, 684-694.	1.3	28
102	Differential Expression of hERG1 Channel Isoforms Reproduces Properties of Native IKr and Modulates Cardiac Action Potential Characteristics. <i>PLoS ONE</i> , 2010, 5, e9021.	1.1	28
103	Gain and Loss of Function in Early Onset Lone Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 715-723.	0.8	28
104	Modulation of KCNQ4 channel activity by changes in cell volume. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1660, 1-6.	1.4	27
105	KCNE3 is an inhibitory subunit of the Kv4.3 potassium channel. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 958-967.	1.0	27
106	Mutations in the Kv1.5 channel gene KCNA5 in cardiac arrest patients. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 776-782.	1.0	26
107	The phenotype characteristics of type 13 long QT syndrome with mutation in KCNJ5 (Kir3.4-G387R). <i>Heart Rhythm</i> , 2013, 10, 1500-1506.	0.3	26
108	Computational analysis of the effects of the hERG channel opener NS1643 in a human ventricular cell model. <i>Heart Rhythm</i> , 2008, 5, 734-741.	0.3	25

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109	Gain-of-function mutations in potassium channel subunit KCNE2 associated with early-onset lone atrial fibrillation. <i>Biomarkers in Medicine</i> , 2014, 8, 557-570.	0.6	25
110	Tissue-specific effects of acetylcholine in the canine heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H66-H75.	1.5	24
111	Voltage-independent KCNQ4 currents induced by (Å±)BMS-204352. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 446, 607-616.	1.3	23
112	Characterization of cardiac repolarization in the GÅrttingen minipig. <i>Journal of Pharmacological and Toxicological Methods</i> , 2011, 63, 186-195.	0.3	23
113	Identification of a novel voltage-gated Na ⁺ channel rNav1.5a in the rat hippocampal progenitor stem cell line HiB5. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 443, 18-30.	1.3	22
114	Effect of beta-Adrenoceptor Blockers on Human Ether-a-go-go-Related Gene (HERG) Potassium Channels. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2005, 96, 123-130.	1.2	22
115	Inactivation as a New Regulatory Mechanism for Neuronal Kv7 Channels. <i>Biophysical Journal</i> , 2007, 92, 2747-2756.	0.2	22
116	High Throughput Electrophysiology: New Perspectives for Ion Channel Drug Discovery. <i>Receptors and Channels</i> , 2003, 9, 3-12.	1.1	21
117	K _v 7.1 surface expression is regulated by epithelial cell polarization. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C814-C824.	2.1	21
118	GIRK Channel Activation Via Adenosine or Muscarinic Receptors Has Similar Effects on Rat Atrial Electrophysiology. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 192-198.	0.8	21
119	Characterization of two new dominant ClC-1 channel mutations associated with myotonia. <i>Muscle and Nerve</i> , 2003, 28, 722-732.	1.0	20
120	Synthesis and characterisation of NS13558: a new important tool for addressing KCa1.1 channel function ex vivo. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2010, 381, 271-283.	1.4	19
121	Loss of K ⁺ Currents in Heart Failure Is Accentuated in KCHIP2 Deficient Mice. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 896-904.	0.8	19
122	pH-dependent inhibition of K2P3.1 prolongs atrial refractoriness in whole hearts. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 643-654.	1.3	19
123	A radiolabeled peptide ligand of the hERG channel, [125 I]-BeKm-1. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 447, 55-63.	1.3	18
124	Activation of ERG2 potassium channels by the diphenylurea NS1643. <i>Neuropharmacology</i> , 2007, 53, 283-294.	2.0	17
125	Biophysical Characterization of the Short QT Mutation hERG-N588K Reveals a Mixed Gain-and Loss-of-Function. <i>Cellular Physiology and Biochemistry</i> , 2008, 22, 611-624.	1.1	17
126	Development of heart failure is independent of K ⁺ channel-interacting protein 2 expression. <i>Journal of Physiology</i> , 2013, 591, 5923-5937.	1.3	17

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127	Extracellular Potassium Inhibits Kv7.1 Potassium Channels by Stabilizing an Inactivated State. <i>Biophysical Journal</i> , 2011, 101, 818-827.	0.2	16
128	Functional properties of human neuronal Kv11 channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 458, 689-700.	1.3	15
129	Pharmacological Activation of I_{Kr} Impairs Conduction in Guinea Pig Hearts. <i>Journal of Cardiovascular Electrophysiology</i> , 2010, 21, 923-929.	0.8	15
130	$Ca_v3.1$ channel downregulation and impaired endothelium-derived hyperpolarization type relaxation in pulmonary arteries from chronically hypoxic rats. <i>Experimental Physiology</i> , 2013, 98, 957-969.	0.9	15
131	Frequency-dependent modulation of KCNQ1 and HERG1 potassium channels. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 1224-1233.	1.0	14
132	Analysis of the Antitumor Activity of Clotrimazole on A375 Human Melanoma Cells. <i>Anticancer Research</i> , 2015, 35, 3781-6.	0.5	14
133	Relaxation of Rat Resistance Arteries by Acetylcholine Involves a Dual Mechanism: Activation of K_{ATP} Channels and Formation of Nitric Oxide. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1997, 80, 280-285.	0.0	13
134	CNTF inhibits high voltage activated Ca^{2+} currents in fetal mouse cortical neurones. <i>Journal of Neurochemistry</i> , 2002, 82, 495-503.	2.1	13
135	Blockade of Ca^{2+} -activated K^+ channels in T cells: an option for the treatment of multiple sclerosis?. <i>European Journal of Immunology</i> , 2005, 35, 1023-1026.	1.6	13
136	Trafficking of the K_v α -Complex in MDCK Cells: Site of Subunit Assembly and Determinants of Polarized Localization. <i>Traffic</i> , 2013, 14, 399-411.	1.3	13
137	The corticosteroid hormone induced factor: A new modulator of KCNQ1 channels?. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 979-988.	1.0	11
138	Keeping the rhythm "Pro-arrhythmic investigations in isolated Göttingen minipig hearts. <i>Journal of Pharmacological and Toxicological Methods</i> , 2011, 64, 134-144.	0.3	11
139	Preservation of cardiac function by prolonged action potentials in mice deficient of KChIP2. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H481-H489.	1.5	11
140	Inhibition of the human intermediate-conductance, Ca^{2+} -activated K^+ channel by intracellular acidification. <i>Pflugers Archiv European Journal of Physiology</i> , 2000, 440, 153-156.	1.3	10
141	Pharmacological investigation of the role of ion channels in salivary secretion. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 446, 78-87.	1.3	9
142	Protein kinase A stimulates Kv7.1 surface expression by regulating Nedd4-2-dependent endocytic trafficking. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C693-C706.	2.1	8
143	Acrylamides as potassium channel openers. <i>Expert Opinion on Therapeutic Patents</i> , 2007, 17, 1215-1226.	2.4	7
144	Electrical resistance of arterioles and venules in the hamster cheek pouch. <i>Acta Physiologica Scandinavica</i> , 1985, 123, 121-126.	2.3	4

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145	Functional Characterization of a Cloned Human Intermediate-Conductance Ca ²⁺ -Activated K ⁺ Channel. <i>Annals of the New York Academy of Sciences</i> , 1999, 868, 423-426.	1.8	4
146	Subtype-specific, bi-component inhibition of SK channels by low internal pH. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 943-949.	1.0	4
147	Functional consequences of genetic variation in sodium channel modifiers in early onset lone atrial fibrillation. <i>Personalized Medicine</i> , 2018, 15, 93-102.	0.8	4
148	KCa 1â€”KCa5 families. , 2009, , 403-423.		3
149	Comparison of the Effects of the Transient Outward Potassium Channel Activator NS5806 on Canine Atrial and Ventricular Cardiomyocytes. <i>Biophysical Journal</i> , 2010, 98, 334a.	0.2	2
150	Recent Developments in the Pharmacology of Epithelial Ca ²⁺ -Activated K ⁺ Channels. , 2016, , 857-899.		2
151	Recent Developments in the Pharmacology of Epithelial Ca ²⁺ -Activated K ⁺ Channels. <i>Physiology in Health and Disease</i> , 2020, , 967-1010.	0.2	1
152	Modulation of Endothelial Permeability: Role of Receptors, Second Messengers and Ion Channels. , 1989, , 21-27.		0
153	KCNQ Channels are Sensors of Cell Volume. , 2004, , 389-390.		0
154	Modulation of KCNQ4 Channels by Changes in Cell Volume. , 2004, , 401-403.		0