Yasunobu Okada

List of Publications by Year
in descending order

139 papers	7,382 citations	47006 47 h-index	60623 81 g-index
141 all docs	141 docs citations	141 times ranked	4852 citing authors

#	Article	IF	Citations
1	LTRPC2 Ca2+-Permeable Channel Activated by Changes in Redox Status Confers Susceptibility to Cell Death. Molecular Cell, 2002, 9, 163-173.	9.7	746
2	Receptorâ€mediated control of regulatory volume decrease (RVD) and apoptotic volume decrease (AVD). Journal of Physiology, 2001, 532, 3-16.	2.9	487
3	Macula densa cell signaling involves ATP release through a maxi anion channel. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4322-4327.	7.1	263
4	A role of reactive oxygen species in apoptotic activation of volume-sensitive Cl- channel. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6770-6773.	7.1	214
5	Volume-Dependent Atp-Conductive Large-Conductance Anion Channel as a Pathway for Swelling-Induced Atp Release. Journal of General Physiology, 2001, 118, 251-266.	1.9	204
6	TRPM7 is a stretch- and swelling-activated cation channel involved in volume regulation in human epithelial cells. American Journal of Physiology - Cell Physiology, 2007, 292, C460-C467.	4.6	201
7	Apoptosis, cell volume regulation and volume-regulatory chloride channels. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 130, 377-383.	1.8	173
8	ATP release via anion channels. Purinergic Signalling, 2005, 1, 311-328.	2.2	154
9	Biophysics and Physiology of the Volume-Regulated Anion Channel (VRAC)/Volume-Sensitive Outwardly Rectifying Anion Channel (VSOR). Pflugers Archiv European Journal of Physiology, 2016, 468, 371-383.	2.8	139
10	Direct Mechano-Stress Sensitivity of TRPM7 Channel. Cellular Physiology and Biochemistry, 2007, 19, 1-8.	1.6	129
11	Swelling-Induced, Cftr-Independent Atp Release from a Human Epithelial Cell Line. Journal of General Physiology, 1999, 114, 525-533.	1.9	122
12	Role of ATP-conductive anion channel in ATP release from neonatal rat cardiomyocytes in ischaemic or hypoxic conditions. Journal of Physiology, 2004, 559, 799-812.	2.9	122
13	Roles of two types of anion channels in glutamate release from mouse astrocytes under ischemic or osmotic stress. Glia, 2006, 54, 343-357.	4.9	116
14	Ion Channels and Transporters Involved in Cell Volume Regulation and Sensor Mechanisms. Cell Biochemistry and Biophysics, 2004, 41, 233-258.	1.8	110
15	TMEM16F is a component of a Ca²⁺-activated Cl^{âˆ'} channel but not a volume-sensitive outwardly rectifying Cl^{âˆ'} channel. American Journal of Physiology - Cell Physiology, 2013, 304, C748-C759.	4.6	109
16	Dual roles of plasmalemmal chloride channels in induction of cell death. Pflugers Archiv European Journal of Physiology, 2004, 448, 287-295.	2.8	107
17	Maxi-anion channel as a candidate pathway for osmosensitive ATP release from mouse astrocytes in primary culture. Cell Research, 2008, 18, 558-565.	12.0	104
18	The maxi-anion channel: a classical channel playing novel roles through an unidentified molecular entity. Journal of Physiological Sciences, 2009, 59, 3-21.	2.1	92

#	Article	IF	Citations
19	Pathophysiology and puzzles of the volumeâ€sensitive outwardly rectifying anion channel. Journal of Physiology, 2009, 587, 2141-2149.	2.9	91
20	Bradykininâ€induced astrocyteâ€"neuron signalling: glutamate release is mediated by ROSâ€activated volumeâ€sensitive outwardly rectifying anion channels. Journal of Physiology, 2009, 587, 2197-2209.	2.9	85
21	Glibenclamide, an ATP-Sensitive K ⁺ Channel Blocker, Inhibits Cardiac cAMP-Activated Cl ^{âˆ’} Conductance. Circulation Research, 1995, 77, 417-423.	4.5	84
22	Swellingâ€activated, cystic fibrosis transmembrane conductance regulatorâ€augmented ATP release and Cl âˆ’ conductances in murine C127 cells. Journal of Physiology, 2000, 523, 1-11.	2.9	83
23	Two-photon excitation fluorescence imaging of the living juxtaglomerular apparatus. American Journal of Physiology - Renal Physiology, 2002, 283, F197-F201.	2.7	80
24	IK channels are involved in the regulatory volume decrease in human epithelial cells. American Journal of Physiology - Cell Physiology, 2003, 284, C77-C84.	4.6	79
25	Roles of Volume-Sensitive Chloride Channel in Excitotoxic Neuronal Injury. Journal of Neuroscience, 2007, 27, 1445-1455.	3.6	77
26	Impaired activity of volume-sensitive Clâˆ’ channel is involved in cisplatin resistance of cancer cells. Journal of Cellular Physiology, 2007, 211, 513-521.	4.1	76
27	Oxygen-glucose deprivation induces ATP release via maxi-anion channels in astrocytes. Purinergic Signalling, 2008, 4, 147-154.	2.2	76
28	Wide Nanoscopic Pore of Maxi-Anion Channel Suits its Function as an ATP-Conductive Pathway. Biophysical Journal, 2004, 87, 1672-1685.	0.5	74
29	Phloretin differentially inhibits volume-sensitive and cyclic AMP-activated, but not Ca-activated, Clâˆ’ channels. British Journal of Pharmacology, 2001, 133, 1096-1106.	5.4	73
30	Chloride Channel Inhibition Prevents ROSdependentApoptosis Induced by Ischemia-Reperfusion in Mouse Cardiomyocytes. Cellular Physiology and Biochemistry, 2005, 16, 147-154.	1.6	71
31	Dysfunction of regulatory volume increase is a key component of apoptosis. FEBS Letters, 2006, 580, 6513-6517.	2.8	71
32	Regulation of an ATPâ€conductive largeâ€conductance anion channel and swellingâ€induced ATP release by arachidonic acid. Journal of Physiology, 2002, 542, 803-816.	2.9	69
33	ClC-3-independent, PKC-dependent Activity of Volume-sensitive Cl⁻ Channel in Mouse Ventricular Cardiomyocytes. Cellular Physiology and Biochemistry, 2004, 14, 213-224.	1.6	68
34	Glibenclamide blocks volume-sensitive Cl^{âˆ’} channels by dual mechanisms. American Journal of Physiology - Cell Physiology, 1998, 275, C343-C351.	4.6	65
35	Volumeâ€sensitive chloride channels in mouse cortical neurons: characterization and role in volume regulation. European Journal of Neuroscience, 2005, 21, 1648-1658.	2.6	61
36	Cell Volume-Activated and Volume-Correlated Anion Channels in Mammalian Cells: Their Biophysical, Molecular, and Pharmacological Properties. Pharmacological Reviews, 2019, 71, 49-88.	16.0	61

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37	Receptor-Mediated Facilitation of Cell Volume Regulation by Swelling-Induced ATP Release in Human Epithelial Cells.. The Japanese Journal of Physiology, 2000, 50, 235-241.	0.9	59
38	Regulation of bradykininâ€induced activation of volumeâ€sensitive outwardly rectifying anion channels by Ca²⁺ nanodomains in mouse astrocytes. Journal of Physiology, 2011, 589, 3909-3927.	2.9	59
39	Sizing the pore of the volume-sensitive anion channel by differential polymer partitioning. FEBS Letters, 2004, 576, 433-436.	2.8	57
40	Involvement of Ca2+-induced Ca2+ release in the volume regulation of human epithelial cells exposed to a hypotonic medium. Biochemical and Biophysical Research Communications, 1990, 167, 287-293.	2.1	54
41	ATP-Conducting Maxi-Anion Channel: A New Player in Stress-Sensory Transduction. The Japanese Journal of Physiology, 2004, 54, 7-14.	0.9	53
42	Cell Volume-Sensitive Chloride Channels: Phenotypic Properties and Molecular Identity. , 2006, 152, 9-24.		52
43	Genetic Demonstration That the Plasma Membrane Maxianion Channel and Voltage-dependent Anion Channels Are Unrelated Proteins. Journal of Biological Chemistry, 2006, 281, 1897-1904.	3.4	52
44	Volume-sensitive Chloride Channel Activity Does Not Depend on Endogenous P-glycoprotein. Journal of Biological Chemistry, 1995, 270, 27887-27893.	3.4	50
45	Ca²⁺ Nanodomain-Mediated Component of Swelling-Induced Volume-Sensitive Outwardly Rectifying Anion Current Triggered by Autocrine Action of ATP in Mouse Astrocytes. Cellular Physiology and Biochemistry, 2011, 28, 1181-1190.	1.6	50
46	Biphasic rises in cytosolic free Ca2+ in association with activation of K+ and Cl? conductance during the regulatory volume decrease in cultured human epithelial cells. Pflugers Archiv European Journal of Physiology, 1990, 416, 710-714.	2.8	49
47	Detecting ATP Release by a Biosensor Method. Science Signaling, 2004, 2004, pl14-pl14.	3.6	49
48	Spatial Distribution of Maxi-Anion Channel on Cardiomyocytes Detected by Smart-Patch Technique. Biophysical Journal, 2008, 94, 1646-1655.	0.5	49
49	Role of acid-sensitive outwardly rectifying anion channels in acidosis-induced cell death in human epithelial cells. Pflugers Archiv European Journal of Physiology, 2007, 454, 223-233.	2.8	48
50	Calcium channel and calcium pump involved in oscillatory hyperpolarizing responses of Lâ€strain mouse fibroblasts. Journal of Physiology, 1982, 327, 449-461.	2.9	46
51	The organic anion transporter <scp>SLCO</scp>2A1 constitutes the core component of the Maxiâ€Cl channel. EMBO Journal, 2017, 36, 3309-3324.	7.8	46
52	Electrical activity of an intestinal epithelial cell line: Hyperpolarizing responses to intestinal secretagogues. Journal of Membrane Biology, 1984, 77, 33-44.	2.1	41
53	Osmotic Swelling Activates Intermediate-Conductance Cl- Channels in Human Intestinal Epithelial Cells.. The Japanese Journal of Physiology, 1994, 44, 403-409.	0.9	41
54	Anion channel blockers attenuate delayed neuronal cell death induced by transient forebrain ischemia. Journal of Neuroscience Research, 2007, 85, 1427-1435.	2.9	40

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55	V ₂ Receptorâ€“Mediated Autocrine Role of Somatodendritic Release of AVP in Rat Vasopressin Neurons Under Hypo-Osmotic Conditions. Science Signaling, 2011, 4, ra5.	3.6	40
56	Hypertonic activation of a non-selective cation conductance in HeLa cells and its contribution to cell volume regulation. FEBS Letters, 2003, 551, 20-24.	2.8	38
57	Maxi-anion channel and pannexin 1 hemichannel constitute separate pathways for swelling-induced ATP release in murine L929 fibrosarcoma cells. American Journal of Physiology - Cell Physiology, 2012, 303, C924-C935.	4.6	38
58	The properties, functions, and pathophysiology of maxi-anion channels. Pflugers Archiv European Journal of Physiology, 2016, 468, 405-420.	2.8	38
59	Distinct pharmacological and molecular properties of the acid-sensitive outwardly rectifying (ASOR) anion channel from those of the volume-sensitive outwardly rectifying (VSOR) anion channel. Pflugers Archiv European Journal of Physiology, 2016, 468, 795-803.	2.8	37
60	Inhibition of Hypertonicity-Induced Cation Channels Sensitizes HeLa Cells to Shrinkage-Induced Apoptosis. Cellular Physiology and Biochemistry, 2006, 18, 295-302.	1.6	36
61	Acid-sensitive outwardly rectifying (ASOR) anion channels in human epithelial cells are highly sensitive to temperature and independent of ClC-3. Pflugers Archiv European Journal of Physiology, 2013, 465, 1535-1543.	2.8	36
62	Exocytosis upon osmotic swelling in human epithelial cells. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1107, 201-205.	2.6	35
63	Cryo-EM structure of the volume-regulated anion channel LRRC8D isoform identifies features important for substrate permeation. Communications Biology, 2020, 3, 240.	4.4	35
64	Down-regulation of volume-sensitive Cl - channels by CFTR is mediated by the second nucleotide-binding domain. Pflugers Archiv European Journal of Physiology, 2002, 445, 177-186.	2.8	34
65	Roles of volume-regulatory anion channels, VSOR and Maxi-Cl, in apoptosis, cisplatin resistance, necrosis, ischemic cell death, stroke and myocardial infarction. Current Topics in Membranes, 2019, 83, 205-283.	0.9	34
66	Early-phase occurrence of K+ and Clâˆ' efflux in addition to Ca2+ mobilization is a prerequisite to apoptosis in HeLa cells. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 821-831.	4.9	33
67	ClC-3-independent Sensitivity of Apoptosis to Cl^{â€“} Channel Blockers in Mouse Cardiomyocytes. Cellular Physiology and Biochemistry, 2005, 15, 263-270.	1.6	32
68	Inhibition of Protein Kinase Akt1 by Apoptosis Signal-regulating Kinase-1 (ASK1) Is Involved in Apoptotic Inhibition of Regulatory Volume Increase. Journal of Biological Chemistry, 2010, 285, 6109-6117.	3.4	31
69	Stretch-induced activation of Ca2+-permeable ion channels is involved in the volume regulation of hypotonically swollen epithelial cells. Neuroscience Research Supplement: the Official Journal of the Japan Neuroscience Society, 1990, 12, S5-S13.	0.0	30
70	Temperature sensitivity of acid-sensitive outwardly rectifying (ASOR) anion channels in cortical neurons is involved in hypothermic neuroprotection against acidotoxic necrosis. Channels, 2014, 8, 278-283.	2.8	30
71	Specific and essential but not sufficient roles of LRRC8A in the activity of volume-sensitive outwardly rectifying anion channel (VSOR). Channels, 2017, 11, 109-120.	2.8	30
72	Recovery from lactacidosis-induced glial cell swelling with the aid of exogenous anion channels. Glia, 2003, 41, 247-259.	4.9	28

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73	Proton Conductivity through the Human TRPM7 Channel and Its Molecular Determinants. Journal of Biological Chemistry, 2008, 283, 15097-15103.	3.4	28
74	IK1 channel activity contributes to cisplatin sensitivity of human epidermoid cancer cells. American Journal of Physiology - Cell Physiology, 2008, 294, C1398-C1406.	4.6	28
75	Upregulation of Swellingâ€Activated Cl â^' Channel Sensitivity to Cell Volume by Activation of EGF Receptors in Murine Mammary Cells. Journal of Physiology, 2003, 549, 749-758.	2.9	27
76	The Apoptotic Volume Decrease Is an Upstream Event of MAP Kinase Activation during Staurosporine-Induced Apoptosis in HeLa Cells. International Journal of Molecular Sciences, 2012, 13, 9363-9379.	4.1	27
77	Molecular Identities and ATP Release Activities of Two Types of Volume-Regulatory Anion Channels, VSOR and Maxi-Cl. Current Topics in Membranes, 2018, 81, 125-176.	0.9	27
78	Volume-sensitive Cl(-) channel as a regulator of acquired cisplatin resistance. Anticancer Research, 2008, 28, 75-83.	1.1	27
79	Criteria for the Molecular Identification of the Volume-Sensitive Outwardly Rectifying Clâ^' Channel. Journal of General Physiology, 1998, 112, 365-367.	1.9	26
80	Ca 2+ â€sensing receptorâ€mediated regulation of volumeâ€sensitive Cl â^' channels in human epithelial cells. Journal of Physiology, 2000, 528, 457-472.	2.9	25
81	Single-Channel Properties of Volume-Sensitive Clâ^' Channel in ClC-3â€"Deficient Cardiomyocytes. The Japanese Journal of Physiology, 2005, 55, 379-383.	0.9	25
82	Swelling-Activated Anion Channels Are Essential for Volume Regulation of Mouse Thymocytes. International Journal of Molecular Sciences, 2011, 12, 9125-9137.	4.1	25
83	The Î"C spliceâ€variant of TRPM2 is the hypertonicityâ€induced cation channel in HeLa cells, and the ectoâ€enzyme CD38 mediates its activation. Journal of Physiology, 2012, 590, 1121-1138.	2.9	25
84	Impaired activity of volume-sensitive anion channel during lactacidosis-induced swelling in neuronally differentiated NG108-15 cells. Brain Research, 2002, 957, 1-11.	2.2	23
85	Hypertonicity-induced cation channels rescue cells from staurosporine-elicited apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2008, 13, 895-903.	4.9	23
86	Activation of maxi-anion channel by protein tyrosine dephosphorylation. American Journal of Physiology - Cell Physiology, 2009, 297, C990-C1000.	4.6	23
87	Involvements of the ABC protein ABCF2 and Î±â€actininâ€4 in regulation of cell volume and anion channels in human epithelial cells. Journal of Cellular Physiology, 2012, 227, 3498-3510.	4.1	23
88	Molecular determinants of sensitivity and conductivity of human TRPM7 to Mg²⁺and Ca²⁺. Channels, 2008, 2, 283-286.	2.8	22
89	Activation of cAMP-dependent Clâ^'currents in guinea-pig Paneth cells without relevant evidence for CFTR expression. Journal of Physiology, 1998, 512, 765-777.	2.9	21
90	Tyrosine Kinase-Independent Extracellular Action of Genistein on the CFTR Cl- Channel in Guinea Pig Ventricular Myocytes and CFTR-Transfected Mouse Fibroblasts.. The Japanese Journal of Physiology, 1998, 48, 389-396.	0.9	21

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91	Volume Expansion Sensitivity of Swelling-Activated Cl- Channel in Human Epithelial Cells.. The Japanese Journal of Physiology, 2000, 50, 277-280.	0.9	21
92	HCO3--independent rescue from apoptosis by stilbene derivatives in rat cardiomyocytes. FEBS Letters, 2005, 579, 517-522.	2.8	21
93	Protective Role of Cardiac CFTR Activation Upon Early Reperfusion Against Myocardial Infarction. Cellular Physiology and Biochemistry, 2012, 30, 1023-1038.	1.6	21
94	Ca2+-dependent glycolysis activation mediates apoptotic ATP elevation in HeLa cells. Biochemical and Biophysical Research Communications, 2007, 363, 687-693.	2.1	20
95	Volume-sensitive outwardly rectifying chloride channel in white adipocytes from normal and diabetic mice. American Journal of Physiology - Cell Physiology, 2010, 298, C900-C909.	4.6	20
96	TRPM7 is involved in acidâ€induced necrotic cell death in a manner sensitive to progesterone in human cervical cancer cells. Physiological Reports, 2019, 7, e14157.	1.7	20
97	Apoptotic Volume Decrease (AVD) Is Independent of Mitochondrial Dysfunction and Initiator Caspase Activation. Cells, 2012, 1, 1156-1167.	4.1	18
98	Distinct contributions of LRRC8A and its paralogs to the VSOR anion channel from those of the ASOR anion channel. Channels, 2017, 11, 167-172.	2.8	18
99	Cell Death Induction and Protection by Activation of Ubiquitously Expressed Anion/Cation Channels. Part 1: Roles of VSOR/VRAC in Cell Volume Regulation, Release of Double-Edged Signals and Apoptotic/Necrotic Cell Death. Frontiers in Cell and Developmental Biology, 2020, 8, 614040.	3.7	18
100	Expression of novel isoforms of the CIC-1 chloride channel in astrocytic glial cells in vitro. Glia, 2004, 47, 46-57.	4.9	17
101	Volume-Sensitive Anion Channels Mediate Osmosensitive Glutathione Release from Rat Thymocytes. PLoS ONE, 2013, 8, e55646.	2.5	17
102	Cyclic changes in cytoplasmic free Ca²⁺ during membrane potential oscillations in fibroblasts . Biomedical Research, 1983, 4, 231-234.	0.9	16
103	Normotonic Cell Shrinkage Induced by Na+ Deprivation Results in Apoptotic Cell Death in Human Epithelial HeLa Cells. Journal of Physiological Sciences, 2006, 56, 335-339.	2.1	15
104	Cell Death Induction and Protection by Activation of Ubiquitously Expressed Anion/Cation Channels. Part 2: Functional and Molecular Properties of ASOR/PAC Channels and Their Roles in Cell Volume Dysregulation and Acidotoxic Cell Death. Frontiers in Cell and Developmental Biology, 2021, 9, 702317.	3.7	14
105	Prerequisite role of persistent cell shrinkage in apoptosis of human epithelial cells. Acta Physiologica Sinica, 2007, 59, 512-6.	0.5	14
106	A scaffolding for regulation of volume-sensitive Clâˆ’channels. Journal of Physiology, 1999, 520, 2-2.	2.9	13
107	Calcium-activated nonselective cationic channel in macula densa cells. American Journal of Physiology - Renal Physiology, 2003, 285, F275-F280.	2.7	13
108	Probing the water permeability of ROMK1 and amphotericin B channels using Xenopus oocytes. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1368, 19-26.	2.6	12

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109	Membrane Potential Measurements in Cultured Intestinal Villi. Membrane Biochemistry, 1980, 3, 147-153.	0.6	11
110	Electrical Properties and Ion Permeabilities in Intestinal Epithelia. Seibutsu Butsuri, 1976, 16, 126-135.	0.1	11
111	Regulatory volume increase after secretory volume decrease in colonic epithelial cells under muscarinic stimulation. Pflugers Archiv European Journal of Physiology, 2004, 448, 596-604.	2.8	10
112	Cellular mechanism for herbal medicine Junchoto to facilitate intestinal Clâˆ’/water secretion that involves cAMP-dependent activation of CFTR. Journal of Natural Medicines, 2018, 72, 694-705.	2.3	10
113	Ischemia-Induced Enhancement of CFTR Expression on the Plasma Membrane in Neonatal Rat Ventricular Myocytes. The Japanese Journal of Physiology, 2003, 53, 357-365.	0.9	10
114	Ca²⁺ is prerequisite for cell fusion induced by electric pulses . Biomedical Research, 1984, 5, 511-516.	0.9	9
115	TRPM7 is an essential regulator for volume-sensitive outwardly rectifying anion channel. Communications Biology, 2021, 4, 599.	4.4	9
116	The ATP-Releasing Maxi-Cl Channel: Its Identity, Molecular Partners, and Physiological/Pathophysiological Implications. Life, 2021, 11, 509.	2.4	9
117	Somatic hybridization between human and mouse lymphoblast cells produced by an electric pulse-induced fusion technique.. Cell Structure and Function, 1984, 9, 193-196.	1.1	9
118	Endogenous arginine vasopressin-positive retinal cells in arginine vasopressin-eGFP transgenic rats identified by immunohistochemistry and reverse transcriptase-polymerase chain reaction. Molecular Vision, 2011, 17, 3254-61.	1.1	9
119	Ion Channel Roles in Cell Death Induction. Journal of Membrane Biology, 2006, 209, 1-2.	2.1	8
120	Signalling Events Employed in the Hypertonic Activation of Cation Channels in HeLa Cells. Cellular Physiology and Biochemistry, 2007, 20, 075-082.	1.6	8
121	Tweety Homologs (TTYH) Freshly Join the Journey of Molecular Identification of the VRAC/VSOR Channel Pore. Experimental Neurobiology, 2019, 28, 131-133.	1.6	8
122	Anion Channel Involved in Induction of Apoptosis and Necrosis. , 2004, 559, 205-209.		7
123	Channelling frozen cells to survival after thawing: opening the door to cryoâ€physiology. Journal of Physiology, 2016, 594, 1523-1524.	2.9	7
124	The Puzzles of Volume-Activated Anion Channels. , 2010, , 283-306.		7
125	Histamine modulates three types of K+ current in a human intestinal epithelial cell line. Pflugers Archiv European Journal of Physiology, 1994, 428, 468-475.	2.8	6
126	Positive Inotropic Effects of ATP Released via the Maxi-Anion Channel in Langendorff-Perfused Mouse Hearts Subjected to Ischemia-Reperfusion. Frontiers in Cell and Developmental Biology, 2021, 9, 597997.	3.7	6

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127	A Novel Inhibitor of Hypertonicity-Induced Cation Channels in HeLa Cells. Journal of Physiological Sciences, 2007, 57, 249-252.	2.1	6
128	Annexin A2-S100A10 Represents the Regulatory Component of Maxi-Cl Channel Dependent on Protein Tyrosine Dephosphorylation and Intracellular CaÂ²â. Cellular Physiology and Biochemistry, 2020, 54, 538-555.	1.6	6
129	Vasopressin Neurons Respond to Hyperosmotic Stimulation with Regulatory Volume Increase and Secretory Volume Decrease by Activating Ion Transporters and Ca2+ Channels. Cellular Physiology and Biochemistry, 2021, 55, 119-134.	1.6	4
130	Herbal components of Japanese Kampo medicines exert laxative actions in colonic epithelium cells via activation of BK and CFTR channels. Scientific Reports, 2019, 9, 15554.	3.3	2
131	Oscillation of intracellular Cl- activity and membrane potential in cultured fibroblasts (L cells).. The Japanese Journal of Physiology, 1981, 31, 609-612.	0.9	2
132	Properties, Structures, and Physiological Roles of Three Types of Anion Channels Molecularly Identified in the 2010â€™s. Frontiers in Physiology, 2021, 12, 805148.	2.8	2
133	Editorial: Ion and Water Transport in Cell Death. Frontiers in Cell and Developmental Biology, 2021, 9, 757033.	3.7	1
134	Ion Channel Pore Sizing in Patch-Clamp Experiments. Springer Protocols, 2012, , 389-402.	0.3	1
135	å°è…¸ãŠã‚ˆã³å§è…¸ä¸Šçš®ç´°èƒžã«ãŠã‘ã‚‹é›»è§£è³ªã®è¼¸é€ Membrane, 1982, 7, 269-282.	0.0	0
136	Expression and functions of N-type Cav2.2 and T-type Cav3.1 channels in rat vasopressin neurons under normotonic conditions. Journal of Physiological Sciences, 2020, 70, 49.	2.1	0
137	The Role of ROS-Sensitive Anion Channel in Apoptosis Induction. Seibutsu Butsuri, 2005, 45, 297-301.	0.1	0
138	Ionic Mechanism of Hyperpolarizing Responses in Fibroblasts. Seibutsu Butsuri, 1980, 20, 17-31.	0.1	0
139	Persistently Declining Research Capability of Japan Behind a Nobel Prize Fever. Trends in the Sciences, 2017, 22, 5_96-5_99.	0.0	0