

Ildiko Szabo

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190
papers

13,116
citations

56
h-index

111
g-index

206
ext. papers

14,693
ext. citations

6.9
avg, IF

6.45
L-index

#	Paper	IF	Citations
190	The mitochondrial permeability transition. <i>BBA - Biomembranes</i> , 1995 , 1241, 139-76		1823
189	A forty-kilodalton protein of the inner membrane is the mitochondrial calcium uniporter. <i>Nature</i> , 2011 , 476, 336-40	50.4	1318
188	Dimers of mitochondrial ATP synthase form the permeability transition pore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 5887-92	11.5	692
187	MICU1 and MICU2 finely tune the mitochondrial Ca ²⁺ uniporter by exerting opposite effects on MCU activity. <i>Molecular Cell</i> , 2014 , 53, 726-37	17.6	351
186	The mitochondrial calcium uniporter is a multimer that can include a dominant-negative pore-forming subunit. <i>EMBO Journal</i> , 2013 , 32, 2362-76	13	326
185	The mitochondrial megachannel is the permeability transition pore. <i>Journal of Bioenergetics and Biomembranes</i> , 1992 , 24, 111-7	3.7	242
184	Mitochondrial channels: ion fluxes and more. <i>Physiological Reviews</i> , 2014 , 94, 519-608	47.9	216
183	Formation of anion-selective channels in the cell plasma membrane by the toxin VacA of <i>Helicobacter pylori</i> is required for its biological activity. <i>EMBO Journal</i> , 1999 , 18, 5517-27	13	210
182	Cell volume in the regulation of cell proliferation and apoptotic cell death. <i>Cellular Physiology and Biochemistry</i> , 2000 , 10, 417-28	3.9	204
181	Tyrosine kinase-dependent activation of a chloride channel in CD95-induced apoptosis in T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 6169-74	11.5	186
180	The inner mitochondrial membrane contains ion-conducting channels similar to those found in bacteria. <i>FEBS Letters</i> , 1989 , 259, 137-43	3.8	186
179	Light and oxygenic photosynthesis: energy dissipation as a protection mechanism against photo-oxidation. <i>EMBO Reports</i> , 2005 , 6, 629-34	6.5	174
178	Ceramide-induced inhibition of T lymphocyte voltage-gated potassium channel is mediated by tyrosine kinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 7661-6	11.5	171
177	Mitochondrial permeability transitions: how many doors to the house?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005 , 1706, 40-52	4.6	171
176	Tyrosine phosphorylation-dependent suppression of a voltage-gated K ⁺ channel in T lymphocytes upon Fas stimulation. <i>Journal of Biological Chemistry</i> , 1996 , 271, 20465-9	5.4	170
175	Gadolinium ion inhibits loss of metabolites induced by osmotic shock and large stretch-activated channels in bacteria. <i>FEBS Journal</i> , 1992 , 206, 559-65		165
174	Mitochondrial potassium channel Kv1.3 mediates Bax-induced apoptosis in lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 14861-6	11.5	154

173	The tyrosine kinase p56lck mediates activation of swelling-induced chloride channels in lymphocytes. <i>Journal of Cell Biology</i> , 1998 , 141, 281-6	7.3	153
172	A novel potassium channel in lymphocyte mitochondria. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12790-8	9.8	145
171	Cell volume regulatory ion channels in cell proliferation and cell death. <i>Methods in Enzymology</i> , 2007 , 428, 209-25	1.7	141
170	Electrophysiology of the inner mitochondrial membrane. <i>Journal of Bioenergetics and Biomembranes</i> , 1994 , 26, 543-53	3.7	137
169	The mitochondrial permeability transition pore may comprise VDAC molecules. II. The electrophysiological properties of VDAC are compatible with those of the mitochondrial megachannel. <i>FEBS Letters</i> , 1993 , 330, 206-10	3.8	134
168	<i>Helicobacter pylori</i> vacuolating toxin forms anion-selective channels in planar lipid bilayers: possible implications for the mechanism of cellular vacuolation. <i>Biophysical Journal</i> , 1999 , 76, 1401-9	2.9	131
167	The mitochondrial permeability transition pore may comprise VDAC molecules. I. Binary structure and voltage dependence of the pore. <i>FEBS Letters</i> , 1993 , 330, 201-5	3.8	127
166	A thylakoid-located two-pore K ⁺ channel controls photosynthetic light utilization in plants. <i>Science</i> , 2013 , 342, 114-8	33.3	124
165	Channel formation by yeast F-ATP synthase and the role of dimerization in the mitochondrial permeability transition. <i>Journal of Biological Chemistry</i> , 2014 , 289, 15980-5	5.4	115
164	Inhibitors of mitochondrial Kv1.3 channels induce Bax/Bak-independent death of cancer cells. <i>EMBO Molecular Medicine</i> , 2012 , 4, 577-93	12	111
163	Light- and pH-dependent structural changes in the PsbS subunit of photosystem II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 15265-70	11.5	103
162	Antidepressants act by inducing autophagy controlled by sphingomyelin-ceramide. <i>Molecular Psychiatry</i> , 2018 , 23, 2324-2346	15.1	101
161	Porin is present in the plasma membrane where it is concentrated in caveolae and caveolae-related domains. <i>Journal of Biological Chemistry</i> , 1999 , 274, 29607-12	5.4	96
160	Identification of an ATP-sensitive potassium channel in mitochondria. <i>Nature</i> , 2019 , 572, 609-613	50.4	94
159	The mitochondrial permeability transition pore in AD 2016: An update. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 2515-30	4.9	93
158	Direct Pharmacological Targeting of a Mitochondrial Ion Channel Selectively Kills Tumor Cells In Vivo. <i>Cancer Cell</i> , 2017 , 31, 516-531.e10	24.3	92
157	Ceramide inhibits the potassium channel Kv1.3 by the formation of membrane platforms. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 305, 890-7	3.4	90
156	Intracellular ion channels and cancer. <i>Frontiers in Physiology</i> , 2013 , 4, 227	4.6	88

155	Purified F-ATP synthase forms a Ca-dependent high-conductance channel matching the mitochondrial permeability transition pore. <i>Nature Communications</i> , 2019 , 10, 4341	17.4	85
154	The EF-Hand Ca ²⁺ Binding Protein MICU Choreographs Mitochondrial Ca ²⁺ Dynamics in Arabidopsis. <i>Plant Cell</i> , 2015 , 27, 3190-212	11.6	84
153	<i>Pseudomonas aeruginosa</i> pyocyanin induces neutrophil death via mitochondrial reactive oxygen species and mitochondrial acid sphingomyelinase. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 1097-110	8.4	82
152	A voltage-dependent chloride channel fine-tunes photosynthesis in plants. <i>Nature Communications</i> , 2016 , 7, 11654	17.4	81
151	Intermediate conductance Ca ²⁺ -activated potassium channel (KCa3.1) in the inner mitochondrial membrane of human colon cancer cells. <i>Cell Calcium</i> , 2009 , 45, 509-16	4	77
150	Mitochondrial ion channels as oncological targets. <i>Oncogene</i> , 2014 , 33, 5569-81	9.2	69
149	Organelle channels and transporters. <i>Cell Calcium</i> , 2015 , 58, 1-10	4	66
148	A MICU1 Splice Variant Confers High Sensitivity to the Mitochondrial Ca Uptake Machinery of Skeletal Muscle. <i>Molecular Cell</i> , 2016 , 64, 760-773	17.6	64
147	Actinomycin D-induced apoptosis involves the potassium channel Kv1.3. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 295, 526-31	3.4	64
146	VDAC3 as a sensor of oxidative state of the intermembrane space of mitochondria: the putative role of cysteine residue modifications. <i>Oncotarget</i> , 2016 , 7, 2249-68	3.3	64
145	Pharmacological targeting of ion channels for cancer therapy: In vivo evidences. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 1385-97	4.9	63
144	Clofazimine, Psora-4 and PAP-1, inhibitors of the potassium channel Kv1.3, as a new and selective therapeutic strategy in chronic lymphocytic leukemia. <i>Leukemia</i> , 2013 , 27, 1782-5	10.7	61
143	Inhibition of the vacuolating and anion channel activities of the VacA toxin of <i>Helicobacter pylori</i> . <i>FEBS Letters</i> , 1999 , 460, 221-5	3.8	61
142	Physiology of potassium channels in the inner membrane of mitochondria. <i>Pflugers Archiv European Journal of Physiology</i> , 2012 , 463, 231-46	4.6	60
141	Contribution of voltage-gated potassium channels to the regulation of apoptosis. <i>FEBS Letters</i> , 2010 , 584, 2049-56	3.8	60
140	Bax does not directly participate in the Ca(2+)-induced permeability transition of isolated mitochondria. <i>Journal of Biological Chemistry</i> , 2004 , 279, 37415-22	5.4	60
139	The unique histidine in OSCP subunit of F-ATP synthase mediates inhibition of the permeability transition pore by acidic pH. <i>EMBO Reports</i> , 2018 , 19, 257-268	6.5	60
138	Double-stranded DNA can be translocated across a planar membrane containing purified mitochondrial porin. <i>FASEB Journal</i> , 1998 , 12, 495-502	0.9	59

137	Evidences for interaction of PsbS with photosynthetic complexes in maize thylakoids. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007 , 1767, 703-11	4.6	58
136	Ion channels and membrane rafts in apoptosis. <i>Pflugers Archiv European Journal of Physiology</i> , 2004 , 448, 304-12	4.6	58
135	The contribution of organelles to plant intracellular Calcium signalling. <i>Journal of Experimental Botany</i> , 2018 ,	7	57
134	F-ATPase of <i>Drosophila melanogaster</i> forms 53-picosiemen (53-pS) channels responsible for mitochondrial Ca ²⁺ -induced Ca ²⁺ release. <i>Journal of Biological Chemistry</i> , 2015 , 290, 4537-4544	5.4	56
133	Cell volume and the regulation of apoptotic cell death. <i>Journal of Molecular Recognition</i> , 2004 , 17, 473-80.6		56
132	Single-point mutations of a lysine residue change function of Bax and Bcl-xL expressed in Bax- and Bak-less mouse embryonic fibroblasts: novel insights into the molecular mechanisms of Bax-induced apoptosis. <i>Cell Death and Differentiation</i> , 2011 , 18, 427-38	12.7	55
131	Role of Kv1.3 mitochondrial potassium channel in apoptotic signalling in lymphocytes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 1251-9	4.6	55
130	DNA translocation across planar bilayers containing <i>Bacillus subtilis</i> ion channels. <i>Journal of Biological Chemistry</i> , 1997 , 272, 25275-82	5.4	55
129	Dual localization of plant glutamate receptor AtGLR3.4 to plastids and plasmamembrane. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 359-67	4.6	54
128	Recombinant human voltage dependent anion selective channel isoform 3 (hVDAC3) forms pores with a very small conductance. <i>Cellular Physiology and Biochemistry</i> , 2014 , 34, 842-53	3.9	53
127	Novel channels of the inner mitochondrial membrane. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009 , 1787, 351-63	4.6	53
126	Thylakoid potassium channel is required for efficient photosynthesis in cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11043-8	11.5	52
125	Induction of apoptosis in macrophages via Kv1.3 and Kv1.5 potassium channels. <i>Current Medicinal Chemistry</i> , 2012 , 19, 5394-404	4.3	52
124	Alternative splicing-mediated targeting of the Arabidopsis GLUTAMATE RECEPTOR3.5 to mitochondria affects organelle morphology. <i>Plant Physiology</i> , 2015 , 167, 216-27	6.6	50
123	Correlation between potassium channel expression and sensitivity to drug-induced cell death in tumor cell lines. <i>Current Pharmaceutical Design</i> , 2014 , 20, 189-200	3.3	50
122	Extramitochondrial porin: facts and hypotheses. <i>Journal of Bioenergetics and Biomembranes</i> , 2000 , 32, 79-89	3.7	49
121	Specific blockade of slowly activating I(sK) channels by chromanols – impact on the role of I(sK) channels in epithelia. <i>FEBS Letters</i> , 1996 , 396, 271-5	3.8	48
120	Electrophysiological characterization of the Cyclophilin D-deleted mitochondrial permeability transition pore. <i>Molecular Membrane Biology</i> , 2006 , 23, 521-30	3.4	47

119	Ion Channels in Plant Bioenergetic Organelles, Chloroplasts and Mitochondria: From Molecular Identification to Function. <i>Molecular Plant</i> , 2016 , 9, 371-395	14.4	46
118	Stretch-activated composite ion channels in <i>Bacillus subtilis</i> . <i>Biochemical and Biophysical Research Communications</i> , 1990 , 168, 443-50	3.4	46
117	Physiological Characterization of a Plant Mitochondrial Calcium Uniporter in Vitro and in Vivo. <i>Plant Physiology</i> , 2017 , 173, 1355-1370	6.6	44
116	Regulation of mitochondrial calcium in plants versus animals. <i>Journal of Experimental Botany</i> , 2016 , 67, 3809-29	7	43
115	Ion channels, cell volume, and apoptotic cell death. <i>Cellular Physiology and Biochemistry</i> , 1998 , 8, 285-92	3.9	43
114	Fine-tuned regulation of the K ⁺ /H ⁺ antiporter KEA3 is required to optimize photosynthesis during induction. <i>Plant Journal</i> , 2017 , 89, 540-553	6.9	42
113	High-Conductance Channel Formation in Yeast Mitochondria is Mediated by F-ATP Synthase e and g Subunits. <i>Cellular Physiology and Biochemistry</i> , 2018 , 50, 1840-1855	3.9	42
112	Mitochondria-targeted resveratrol derivatives act as cytotoxic pro-oxidants. <i>Current Pharmaceutical Design</i> , 2014 , 20, 172-9	3.3	41
111	Novel aspects of the electrophysiology of mitochondrial porin. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 243, 258-63	3.4	40
110	Impaired Mitochondrial ATP Production Downregulates Wnt Signaling via ER Stress Induction. <i>Cell Reports</i> , 2019 , 28, 1949-1960.e6	10.6	38
109	F-ATP synthase and the permeability transition pore: fewer doubts, more certainties. <i>FEBS Letters</i> , 2019 , 593, 1542-1553	3.8	37
108	Cytotoxicity of mitochondria-targeted resveratrol derivatives: interactions with respiratory chain complexes and ATP synthase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 1781-9	4.6	37
107	Alpha-synuclein at the intracellular and the extracellular side: functional and dysfunctional implications. <i>Biological Chemistry</i> , 2017 , 398, 77-100	4.5	37
106	KDC1, a novel carrot root hair K ⁺ channel. Cloning, characterization, and expression in mammalian cells. <i>Journal of Biological Chemistry</i> , 2000 , 275, 39420-6	5.4	37
105	Tyrosine kinases open lymphocyte chloride channels. <i>Cellular Physiology and Biochemistry</i> , 2000 , 10, 307-313	3.3	36
104	Plasma membrane ion channels in suicidal cell death. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 462, 189-94	4.1	35
103	A chloroplast-localized mitochondrial calcium uniporter transduces osmotic stress in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2019 , 5, 581-588	11.5	34
102	Impact of intracellular ion channels on cancer development and progression. <i>European Biophysics Journal</i> , 2016 , 45, 685-707	1.9	34

101	Physiology of intracellular potassium channels: A unifying role as mediators of counterion fluxes?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016 , 1857, 1258-1266	4.6	34
100	Dissecting stimulus-specific Ca ²⁺ signals in amyloplasts and chloroplasts of <i>Arabidopsis thaliana</i> cell suspension cultures. <i>Journal of Experimental Botany</i> , 2016 , 67, 3965-74	7	33
99	Impact of the ion transportome of chloroplasts on the optimization of photosynthesis. <i>Journal of Experimental Botany</i> , 2017 , 68, 3115-3128	7	32
98	Characterization of a plant glutamate receptor activity. <i>Cellular Physiology and Biochemistry</i> , 2010 , 26, 253-62	3.9	31
97	Human papillomavirus not found in squamous and large cell lung carcinomas by polymerase chain reaction. <i>Cancer</i> , 1994 , 73, 2740-4	6.4	31
96	A patch-clamp study of <i>Bacillus subtilis</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992 , 1112, 29-38	3.8	31
95	Evolutionary insight into the ionotropic glutamate receptor superfamily of photosynthetic organisms. <i>Biophysical Chemistry</i> , 2016 , 218, 14-26	3.5	31
94	An investigation of the occurrence and properties of the mitochondrial intermediate-conductance Ca ²⁺ -activated K ⁺ channel mtKCa3.1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 1260-7	4.6	30
93	Tumor-reducing effect of the clinically used drug clofazimine in a SCID mouse model of pancreatic ductal adenocarcinoma. <i>Oncotarget</i> , 2017 , 8, 38276-38293	3.3	30
92	A patch-clamp investigation of the <i>Streptococcus faecalis</i> cell membrane. <i>Journal of Membrane Biology</i> , 1993 , 131, 203-18	2.3	29
91	Cytotoxicity of a mitochondriotropic quercetin derivative: mechanisms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 1095-106	4.6	28
90	A novel potassium channel in photosynthetic cyanobacteria. <i>PLoS ONE</i> , 2010 , 5, e10118	3.7	28
89	Ultraviolet B exposure of whole leaves of barley affects structure and functional organization of photosystem II. <i>Journal of Biological Chemistry</i> , 2000 , 275, 10976-82	5.4	28
88	Inhibitory effects of oxidants on n-type K ⁺ channels in T lymphocytes and <i>Xenopus</i> oocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 1997 , 433, 626-32	4.6	27
87	A maxi-chloride channel in the inner membrane of mammalian mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 1438-48	4.6	27
86	Regulation of photosynthesis by ion channels in cyanobacteria and higher plants. <i>Biophysical Chemistry</i> , 2013 , 182, 51-7	3.5	26
85	Modulation of type II Fc gamma receptor expression on activated human B lymphocytes. <i>European Journal of Immunology</i> , 1991 , 21, 541-9	6.1	26
84	Mitochondria Affect Photosynthetic Electron Transport and Photosensitivity in a Green Alga. <i>Plant Physiology</i> , 2018 , 176, 2305-2314	6.6	25

83	Mitochondrial effects of plant-made compounds. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 3039-59	8.4	25
82	Electrophysiology clarifies the megariddles of the mitochondrial permeability transition pore. <i>FEBS Letters</i> , 2010 , 584, 1997-2004	3.8	25
81	Role of the PSII-H subunit in photoprotection: novel aspects of D1 turnover in <i>Synechocystis</i> 6803. <i>Journal of Biological Chemistry</i> , 2003 , 278, 41820-9	5.4	25
80	The properties of the mitochondrial megachannel in mitoplasts from human colon carcinoma cells are not influenced by Bax. <i>FEBS Letters</i> , 2005 , 579, 3695-700	3.8	24
79	Chloroplast Ca Fluxes into and across Thylakoids Revealed by Thylakoid-Targeted Aequorin Probes. <i>Plant Physiology</i> , 2018 , 177, 38-51	6.6	23
78	Pharmacological modulation of mitochondrial ion channels. <i>British Journal of Pharmacology</i> , 2019 , 176, 4258-4283	8.6	23
77	An update on the regulation of photosynthesis by thylakoid ion channels and transporters in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2017 , 161, 16-27	4.6	22
76	Perturbations in cell signaling elicit early cardiac defects in mucopolysaccharidosis type II. <i>Human Molecular Genetics</i> , 2017 , 26, 1643-1655	5.6	22
75	Novel Mitochondria-Targeted Furocoumarin Derivatives as Possible Anti-Cancer Agents. <i>Frontiers in Oncology</i> , 2018 , 8, 122	5.3	22
74	Targeting the Potassium Channel Kv1.3 Kills Glioblastoma Cells. <i>NeuroSignals</i> , 2017 , 25, 26-38	1.9	22
73	Biophysical characterization and expression analysis of Kv1.3 potassium channel in primary human leukemic B cells. <i>Cellular Physiology and Biochemistry</i> , 2015 , 37, 965-78	3.9	22
72	Localization of a putative ClC chloride channel in spinach chloroplasts. <i>FEBS Letters</i> , 2005 , 579, 4991-6	3.8	22
71	Arg-8 of yeast subunit e contributes to the stability of F-ATP synthase dimers and to the generation of the full-conductance mitochondrial megachannel. <i>Journal of Biological Chemistry</i> , 2019 , 294, 10987-10997	5.4	21
70	Contribution of Mitochondrial Ion Channels to Chemo-Resistance in Cancer Cells. <i>Cancers</i> , 2019 , 11,	6.6	21
69	Plasma membrane aquaporin AqpZ protein is essential for glucose metabolism during photomixotrophic growth of <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2011 , 286, 25224-35	5.4	21
68	Circular dichroism of diglycosyl dichalcogenides in solution and solid state. <i>Chirality</i> , 2008 , 20, 379-85	2.1	21
67	ATP-sensitive cation-channel in wheat (<i>Triticum durum</i> Desf.): identification and characterization of a plant mitochondrial channel by patch-clamp. <i>Cellular Physiology and Biochemistry</i> , 2010 , 26, 975-82	3.9	20
66	Aquaporin AqpZ is involved in cell volume regulation and sensitivity to osmotic stress in <i>Synechocystis</i> sp. strain PCC 6803. <i>Journal of Bacteriology</i> , 2012 , 194, 6828-36	3.5	20

65	Ca ²⁺ -reversible inhibition of the mitochondrial megachannel by ubiquinone analogues. <i>FEBS Letters</i> , 2000 , 480, 89-94	3.8	20
64	Functional characterization and determination of the physiological role of a calcium-dependent potassium channel from cyanobacteria. <i>Plant Physiology</i> , 2013 , 162, 953-64	6.6	19
63	The high-conductance channel of porin-less yeast mitochondria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995 , 1235, 115-25	3.8	19
62	Chloroplast Calcium Signaling in the Spotlight. <i>Frontiers in Plant Science</i> , 2020 , 11, 186	6.2	17
61	Cooperative mechanosensitive ion channels in Escherichia coli. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 171, 280-6	3.4	17
60	Cell volume regulatory mechanisms in apoptotic cell death. <i>Herz</i> , 1999 , 24, 232-5	2.6	16
59	Serotonin-mediated tuning of human helper T cell responsiveness to the chemokine CXCL12. <i>PLoS ONE</i> , 2011 , 6, e22482	3.7	16
58	Inhibition of the deubiquitinase USP8 corrects a Drosophila PINK1 model of mitochondria dysfunction. <i>Life Science Alliance</i> , 2019 , 2,	5.8	16
57	Defining the molecular mechanisms of the mitochondrial permeability transition through genetic manipulation of F-ATP synthase. <i>Nature Communications</i> , 2021 , 12, 4835	17.4	16
56	Temperature-dependent functional expression of a plant K(+) channel in mammalian cells. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 274, 130-5	3.4	15
55	Targeting mitochondrial ion channels for cancer therapy. <i>Redox Biology</i> , 2021 , 42, 101846	11.3	14
54	Study of the effect of ion channel modulators on photosynthetic oxygen evolution. <i>Journal of Chemical Information and Modeling</i> , 2005 , 45, 1691-700	6.1	13
53	Regulation of Kv1.3 during Fas-Induced Apoptosis. <i>Cellular Physiology and Biochemistry</i> , 1997 , 7, 148-158	3.9	12
52	[NiFe]-hydrogenase is essential for cyanobacterium Synechocystis sp. PCC 6803 aerobic growth in the dark. <i>Scientific Reports</i> , 2015 , 5, 12424	4.9	11
51	Determination of photosystem II subunits by matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of Biological Chemistry</i> , 2001 , 276, 13784-90	5.4	11
50	The Contribution of Mitochondrial Ion Channels to Cancer Development and Progression. <i>Cellular Physiology and Biochemistry</i> , 2019 , 53, 63-78	3.9	11
49	Voltage-Gated Potassium Channels as Regulators of Cell Death. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 611853	5.7	11
48	Mitochondrial apoptosis is induced by Alkoxy phenyl-1-propanone derivatives through PP2A-mediated dephosphorylation of Bad and Foxo3A in CLL. <i>Leukemia</i> , 2019 , 33, 1148-1160	10.7	11

47	Regulation of Proliferation by a Mitochondrial Potassium Channel in Pancreatic Ductal Adenocarcinoma Cells. <i>Frontiers in Oncology</i> , 2017 , 7, 239	5.3	10
46	Physiology of Fas-Induced Programmed Cell Death. <i>Cellular Physiology and Biochemistry</i> , 1996 , 6, 361-375	5.9	10
45	Insight into the mechanism of cytotoxicity of membrane-permeant psoralenic Kv1.3 channel inhibitors by chemical dissection of a novel member of the family. <i>Redox Biology</i> , 2020 , 37, 101705	11.3	10
44	Mitochondrial Metabolism, Contact Sites and Cellular Calcium Signaling: Implications for Tumorigenesis. <i>Cancers</i> , 2020 , 12,	6.6	10
43	Calcium Flux across Plant Mitochondrial Membranes: Possible Molecular Players. <i>Frontiers in Plant Science</i> , 2016 , 7, 354	6.2	10
42	Strategies to target bioactive molecules to subcellular compartments. Focus on natural compounds. <i>European Journal of Medicinal Chemistry</i> , 2019 , 181, 111557	6.8	9
41	Novel Route to 2-Arylapomorphines. <i>Synthetic Communications</i> , 2007 , 37, 467-471	1.7	9
40	Novel Channels of the Outer Membrane of Mitochondria: Recent Discoveries Change Our View. <i>BioEssays</i> , 2018 , 40, e1700232	4.1	8
39	DNA interacts with <i>Bacillus subtilis</i> mechano-sensitive channels in native membrane patches. <i>Cellular Physiology and Biochemistry</i> , 2002 , 12, 127-34	3.9	8
38	Now UCP(rotein), Now You Don't: UCP1 Is Not Mandatory for Thermogenesis. <i>Cell Metabolism</i> , 2017 , 25, 761-762	24.6	7
37	Channels and transporters for inorganic ions in plant mitochondria: Prediction and facts. <i>Mitochondrion</i> , 2020 , 53, 224-233	4.9	7
36	Lipid-Mediated Modulation of Intracellular Ion Channels and Redox State: Physiopathological Implications. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 949-972	8.4	7
35	Involvement of Potassium Transport Systems in the Response of <i>Synechocystis</i> PCC 6803 Cyanobacteria to External pH Change, High-Intensity Light Stress and Heavy Metal Stress. <i>Plant and Cell Physiology</i> , 2016 , 57, 862-77	4.9	7
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