

Ildiko Szabo

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.

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	Pharmacological modulation of Kv1.3 potassium channel selectively triggers pathological B lymphocyte apoptosis in vivo in a genetic CLL model.. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022 , 41, 64	12.8	1
189	The potential convergence of NLRP3 inflammasome, potassium, and dopamine mechanisms in Parkinson's disease.. <i>Npj Parkinson's Disease</i> , 2022 , 8, 32	9.7	0
188	The Mitochondrial Routing of the Kv1.3 Channel.. <i>Frontiers in Oncology</i> , 2022 , 12, 865686	5.3	1
187	Inhibition of a Mitochondrial Potassium Channel in Combination with Gemcitabine and Abraxane Drastically Reduces Pancreatic Ductal Adenocarcinoma in an Immunocompetent Orthotopic Murine Model. <i>Cancers</i> , 2022 , 14, 2618	6.6	1
186	Exploiting pyocyanin to treat mitochondrial disease due to respiratory complex III dysfunction. <i>Nature Communications</i> , 2021 , 12, 2103	17.4	4
185	Targeting mitochondrial ion channels for cancer therapy. <i>Redox Biology</i> , 2021 , 42, 101846	11.3	14
184	Modelling of BCS1L-related human mitochondrial disease in <i>Drosophila melanogaster</i> . <i>Journal of Molecular Medicine</i> , 2021 , 99, 1471-1485	5.5	1
183	Mitochondrial dysfunction interferes with neural crest specification through the FoxD3 transcription factor. <i>Pharmacological Research</i> , 2021 , 164, 105385	10.2	0
182	The displacement of frataxin from the mitochondrial cristae correlates with abnormal respiratory supercomplexes formation and bioenergetic defects in cells of Friedreich ataxia patients. <i>FASEB Journal</i> , 2021 , 35, e21362	0.9	2
181	Synthesis and cellular effects of a mitochondria-targeted inhibitor of the two-pore potassium channel TASK-3. <i>Pharmacological Research</i> , 2021 , 164, 105326	10.2	4
180	An Angiopep2-PAPTP Construct Overcomes the Blood-Brain Barrier. New Perspectives against Brain Tumors. <i>Pharmaceutics</i> , 2021 , 14,	5.2	4
179	Transglutaminase Type 2 regulates the Wnt/ β -catenin pathway in vertebrates. <i>Cell Death and Disease</i> , 2021 , 12, 249	9.8	2
178	A novel mitochondrial Kv1.3-caveolin axis controls cell survival and apoptosis. <i>ELife</i> , 2021 , 10,	8.9	2
177	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
176	Mitochondrial K channels and their implications for disease mechanisms. <i>Pharmacology & Therapeutics</i> , 2021 , 227, 107874	13.9	7
175	Channels and transporters for inorganic ions in plant mitochondria: Prediction and facts. <i>Mitochondrion</i> , 2020 , 53, 224-233	4.9	7
174	Chloroplast Calcium Signaling in the Spotlight. <i>Frontiers in Plant Science</i> , 2020 , 11, 186	6.2	17

173	Collaboration between NDH and KEA3 Allows Maximally Efficient Photosynthesis after a Long Dark Adaptation. <i>Plant Physiology</i> , 2020 , 184, 2078-2090	6.6	3
172	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
171	Mitochondrial Metabolism, Contact Sites and Cellular Calcium Signaling: Implications for Tumorigenesis. <i>Cancers</i> , 2020 , 12,	6.6	10
170	Voltage-Gated Potassium Channels as Regulators of Cell Death. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 611853	5.7	11
169	Mitochondrial Ion Channels of the Inner Membrane and Their Regulation in Cell Death Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 620081	5.7	6
168	Identification of an ATP-sensitive potassium channel in mitochondria. <i>Nature</i> , 2019 , 572, 609-613	50.4	94
167	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
166	Electrophysiological Characterization of Calcium-Permeable Channels Using Planar Lipid Bilayer. <i>Methods in Molecular Biology</i> , 2019 , 1925, 65-73	1.4	
165	MCU Regulation in Lipid Bilayer and Electrophysiological Recording. <i>Methods in Molecular Biology</i> , 2019 , 1925, 59-63	1.4	3
164	A chloroplast-localized mitochondrial calcium uniporter transduces osmotic stress in Arabidopsis. <i>Nature Plants</i> , 2019 , 5, 581-588	11.5	34
163	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
162	Contribution of Mitochondrial Ion Channels to Chemo-Resistance in Cancer Cells. <i>Cancers</i> , 2019 , 11,	6.6	21
161	F-ATP synthase and the permeability transition pore: fewer doubts, more certainties. <i>FEBS Letters</i> , 2019 , 593, 1542-1553	3.8	37
160	Impaired Mitochondrial ATP Production Downregulates Wnt Signaling via ER Stress Induction. <i>Cell Reports</i> , 2019 , 28, 1949-1960.e6	10.6	38
159	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
158	Inhibition of the deubiquitinase USP8 corrects a Drosophila PINK1 model of mitochondria dysfunction. <i>Life Science Alliance</i> , 2019 , 2,	5.8	16
157	Inhibition of PI-3-K and AKT Amplifies Kv1.3 Inhibitor-Induced Death of Human T Leukemia Cells. <i>Cellular Physiology and Biochemistry</i> , 2019 , 53, 1-10	3.9	6
156	The Contribution of Mitochondrial Ion Channels to Cancer Development and Progression. <i>Cellular Physiology and Biochemistry</i> , 2019 , 53, 63-78	3.9	11

155	Pharmacological modulation of mitochondrial ion channels. <i>British Journal of Pharmacology</i> , 2019 , 176, 4258-4283	8.6	23
154	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
153	Novel Channels of the Outer Membrane of Mitochondria: Recent Discoveries Change Our View. <i>BioEssays</i> , 2018 , 40, e1700232	4.1	8
152	Mitochondria Affect Photosynthetic Electron Transport and Photosensitivity in a Green Alga. <i>Plant Physiology</i> , 2018 , 176, 2305-2314	6.6	25
151	Chloroplast Ca Fluxes into and across Thylakoids Revealed by Thylakoid-Targeted Aequorin Probes. <i>Plant Physiology</i> , 2018 , 177, 38-51	6.6	23
150	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
149	Antidepressants act by inducing autophagy controlled by sphingomyelin-ceramide. <i>Molecular Psychiatry</i> , 2018 , 23, 2324-2346	15.1	101
148	Novel Mitochondria-Targeted Furocoumarin Derivatives as Possible Anti-Cancer Agents. <i>Frontiers in Oncology</i> , 2018 , 8, 122	5.3	22
147	Global spectroscopic analysis to study the regulation of the photosynthetic proton motive force: A critical reappraisal. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018 , 1859, 676-683	4.6	4
146	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
145	Pore formation by yeast mitochondrial ATP synthase involves subunits e, g and b. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018 , 1859, e16-e17	4.6	
144	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
143	Antidepressants regulate autophagy by targeting acid sphingomyelinase. <i>Molecular Psychiatry</i> , 2018 , 23, 2251-2251	15.1	3
142	The contribution of organelles to plant intracellular Calcium signalling. <i>Journal of Experimental Botany</i> , 2018 ,	7	57
141	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
140	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
139	Molecular Players of Mitochondrial Calcium Signaling: Similarities and Different Aspects in Various Organisms 2017 , 41-65		
138	Now UCP(rotein), Now You Don't: UCP1 Is Not Mandatory for Thermogenesis. <i>Cell Metabolism</i> , 2017 , 25, 761-762	24.6	7

137	An update on the regulation of photosynthesis by thylakoid ion channels and transporters in Arabidopsis. <i>Physiologia Plantarum</i> , 2017 , 161, 16-27	4.6	22
136	Perturbations in cell signaling elicit early cardiac defects in mucopolysaccharidosis type II. <i>Human Molecular Genetics</i> , 2017 , 26, 1643-1655	5.6	22
135	Impact of the ion transportome of chloroplasts on the optimization of photosynthesis. <i>Journal of Experimental Botany</i> , 2017 , 68, 3115-3128	7	32
134	Physiological Characterization of a Plant Mitochondrial Calcium Uniporter in Vitro and in Vivo. <i>Plant Physiology</i> , 2017 , 173, 1355-1370	6.6	44
133	Targeting the Potassium Channel Kv1.3 Kills Glioblastoma Cells. <i>NeuroSignals</i> , 2017 , 25, 26-38	1.9	22
132	Alpha-synuclein at the intracellular and the extracellular side: functional and dysfunctional implications. <i>Biological Chemistry</i> , 2017 , 398, 77-100	4.5	37
131	Regulation of Proliferation by a Mitochondrial Potassium Channel in Pancreatic Ductal Adenocarcinoma Cells. <i>Frontiers in Oncology</i> , 2017 , 7, 239	5.3	10
130	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
129	The Roles of Mitochondrial Cation Channels Under Physiological Conditions and in Cancer. <i>Handbook of Experimental Pharmacology</i> , 2017 , 240, 47-69	3.2	1
128	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
127	Dissecting stimulus-specific Ca ²⁺ signals in amyloplasts and chloroplasts of Arabidopsis thaliana cell suspension cultures. <i>Journal of Experimental Botany</i> , 2016 , 67, 3965-74	7	33
126	Impact of intracellular ion channels on cancer development and progression. <i>European Biophysics Journal</i> , 2016 , 45, 685-707	1.9	34
125	Regulation of mitochondrial calcium in plants versus animals. <i>Journal of Experimental Botany</i> , 2016 , 67, 3809-29	7	43
124	Involvement of Potassium Transport Systems in the Response of Synechocystis 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
123	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
122	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
121	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
120	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

119	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
118	Calcium Flux across Plant Mitochondrial Membranes: Possible Molecular Players. <i>Frontiers in Plant Science</i> , 2016 , 7, 354	6.2	10
117	A voltage-dependent chloride channel fine-tunes photosynthesis in plants. <i>Nature Communications</i> , 2016 , 7, 11654	17.4	81
116	Evolutionary insight into the ionotropic glutamate receptor superfamily of photosynthetic organisms. <i>Biophysical Chemistry</i> , 2016 , 218, 14-26	3.5	31
115	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
114	Organellar channels and transporters. <i>Cell Calcium</i> , 2015 , 58, 1-10	4	66
113	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
112	<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
111	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
110	[NiFe]-hydrogenase is essential for cyanobacterium <i>Synechocystis</i> sp. PCC 6803 aerobic growth in the dark. <i>Scientific Reports</i> , 2015 , 5, 12424	4.9	11
109	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
108	Mitochondrial channels: ion fluxes and more. <i>Physiological Reviews</i> , 2014 , 94, 519-608	47.9	216
107	Mitochondrial ion channels as oncological targets. <i>Oncogene</i> , 2014 , 33, 5569-81	9.2	69
106	Ca ²⁺ -induced Ca ²⁺ release in <i>Drosophila</i> mitochondria is mediated by dimers of F-ATP synthase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, e20	4.6	
105	Channel formation by yeast F-ATP synthase and the role of dimerization in the mitochondrial permeability transition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, e12	4.6	
104	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
103	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
102	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

101	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
100	Mitochondria-targeted resveratrol derivatives act as cytotoxic pro-oxidants. <i>Current Pharmaceutical Design</i> , 2014 , 20, 172-9	3.3	41
99	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
98	Targets and Strategies for the Mitochondrial Assault on Cancer 2014 , 211-264		
97	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
96	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
95	Regulation of photosynthesis by ion channels in cyanobacteria and higher plants. <i>Biophysical Chemistry</i> , 2013 , 182, 51-7	3.5	26
94	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
93	A thylakoid-located two-pore K ⁺ channel controls photosynthetic light utilization in plants. <i>Science</i> , 2013 , 342, 114-8	33.3	124
92	Intracellular ion channels and cancer. <i>Frontiers in Physiology</i> , 2013 , 4, 227	4.6	88
91	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
90	Cytotoxicity of a mitochondriotropic quercetin derivative: mechanisms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 1095-106	4.6	28
89	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
88	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
87	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
86	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
85	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
84	Mitochondrial effects of plant-made compounds. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 3039-59	8.4	25

83	A forty-kilodalton protein of the inner membrane is the mitochondrial calcium uniporter. <i>Nature</i> , 2011 , 476, 336-40	50.4	1318
82	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
81	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
80	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
79	Serotonin-mediated tuning of human helper T cell responsiveness to the chemokine CXCL12. <i>PLoS ONE</i> , 2011 , 6, e22482	3.7	16
78	A novel potassium channel in photosynthetic cyanobacteria. <i>PLoS ONE</i> , 2010 , 5, e10118	3.7	28
77	Characterization of a plant glutamate receptor activity. <i>Cellular Physiology and Biochemistry</i> , 2010 , 26, 253-62	3.9	31
76	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
75	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
74	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
73	Contribution of the mitochondrial potassium channel Kv1.3 to the regulation of programmed cell death. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 132-133	4.6	1
72	Electrophysiology clarifies the megariddles of the mitochondrial permeability transition pore. <i>FEBS Letters</i> , 2010 , 584, 1997-2004	3.8	25
71	Contribution of voltage-gated potassium channels to the regulation of apoptosis. <i>FEBS Letters</i> , 2010 , 584, 2049-56	3.8	60
70	Novel channels of the inner mitochondrial membrane. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009 , 1787, 351-63	4.6	53
69	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
68	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
67	Correction for Saporito et al., Oribatid mites as a major dietary source for alkaloids in poison frogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17586-17586	11.5	3
66	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

65	Circular dichroism of diglycosyl dichalcogenides in solution and solid state. <i>Chirality</i> , 2008 , 20, 379-85	2.1	21
64	Ion Channels, Cell Volume, Cell Proliferation and Apoptotic Cell Death. <i>Springer Series in Biophysics</i> , 2008 , 69-84		5
63	Novel Route to 2-Arylapomorphines. <i>Synthetic Communications</i> , 2007 , 37, 467-471	1.7	9
62	Cell volume regulatory ion channels in cell proliferation and cell death. <i>Methods in Enzymology</i> , 2007 , 428, 209-25	1.7	141
61	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
60	Plasma membrane ion channels in suicidal cell death. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 462, 189-94	4.1	35
59	Electrophysiological characterization of the Cyclophilin D-deleted mitochondrial permeability transition pore. <i>Molecular Membrane Biology</i> , 2006 , 23, 521-30	3.4	47
58	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
57	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
56	Localization of a putative ClC chloride channel in spinach chloroplasts. <i>FEBS Letters</i> , 2005 , 579, 4991-6	3.8	22
55	Mitochondrial permeability transitions: how many doors to the house?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005 , 1706, 40-52	4.6	171
54	Light and oxygenic photosynthesis: energy dissipation as a protection mechanism against photo-oxidation. <i>EMBO Reports</i> , 2005 , 6, 629-34	6.5	174
53	A novel potassium channel in lymphocyte mitochondria. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12790-8	3.8	145
52	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
51	Ion channels and membrane rafts in apoptosis. <i>Pflugers Archiv European Journal of Physiology</i> , 2004 , 448, 304-12	4.6	58
50	Cell volume and the regulation of apoptotic cell death. <i>Journal of Molecular Recognition</i> , 2004 , 17, 473-80	6.6	56
49	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
48	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

47	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
46	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
45	Structural and functional role of the PsbH protein in resistance to light stress in <i>Synechocystis</i> PCC 6803. <i>Functional Plant Biology</i> , 2002 , 29, 1181-1187	2.7	4
44	Actinomycin D-induced apoptosis involves the potassium channel Kv1.3. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 295, 526-31	3.4	64
43	Isolation and characterization of photosystem II subcomplexes from cyanobacteria lacking photosystem I. <i>FEBS Journal</i> , 2001 , 268, 5129-34		5
42	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
41	Extramitochondrial porin: facts and hypotheses. <i>Journal of Bioenergetics and Biomembranes</i> , 2000 , 32, 79-89	3.7	49
40	Tyrosine kinases open lymphocyte chloride channels. <i>Cellular Physiology and Biochemistry</i> , 2000 , 10, 307-313	3.3	36
39	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
38	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
37	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
36	Ca ²⁺ -reversible inhibition of the mitochondrial megachannel by ubiquinone analogues. <i>FEBS Letters</i> , 2000 , 480, 89-94	3.8	20
35	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
34	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
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