

Dmitry B Zorov

List of Publications by Year in descending order

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193
papers

16,274
citations

53939

47
h-index

19470

122
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207
all docs

207
docs citations

207
times ranked

20430
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational modeling of mitochondrial K ⁺ - and H ⁺ -driven ATP synthesis. Journal of Molecular and Cellular Cardiology, 2022, 165, 9-18.	0.9	7
2	ATP synthase K ⁺ - and H ⁺ -fluxes drive ATP synthesis and enable mitochondrial K ⁺ -uniporter function: II. Ion and ATP synthase flux regulation. Function, 2022, 3, zqac001.	1.1	20
3	Gut Microbiota as a Source of Uremic Toxins. International Journal of Molecular Sciences, 2022, 23, 483.	1.8	19
4	Is the Mitochondrial Membrane Potential ($\Delta\psi$) Correctly Assessed? Intracellular and Intramitochondrial Modifications of the $\Delta\psi$ Probe, Rhodamine 123. International Journal of Molecular Sciences, 2022, 23, 482.	1.8	15
5	ATP Synthase K ⁺ - and H ⁺ -Fluxes Drive ATP Synthesis and Enable Mitochondrial K ⁺ -uniporter function: I. Characterization of Ion Fluxes. Function, 2022, 3, zqab065.	1.1	25
6	Dietary restriction modulates mitochondrial DNA damage and oxylipin profile in aged rats. FEBS Journal, 2022, 289, 5697-5713.	2.2	4
7	Setting the Record Straight: A New Twist on the Chemiosmotic Mechanism of Oxidative Phosphorylation. Function, 2022, 3, .	1.1	8
8	Effects of Traumatic Brain Injury on the Gut Microbiota Composition and Serum Amino Acid Profile in Rats. Cells, 2022, 11, 1409.	1.8	17
9	Do Extracellular Vesicles Derived from Mesenchymal Stem Cells Contain Functional Mitochondria?. International Journal of Molecular Sciences, 2022, 23, 7408.	1.8	19
10	Mitochondrial Ca ²⁺ , redox environment and ROS emission in heart failure: Two sides of the same coin?. Journal of Molecular and Cellular Cardiology, 2021, 151, 113-125.	0.9	24
11	Age-Related Changes in Bone-Marrow Mesenchymal Stem Cells. Cells, 2021, 10, 1273.	1.8	19
12	Dietary Restriction for Kidney Protection: Decline in Nephroprotective Mechanisms During Aging. Frontiers in Physiology, 2021, 12, 699490.	1.3	7
13	Neuroprotective Potential of Mild Uncoupling in Mitochondria. Pros and Cons. Brain Sciences, 2021, 11, 1050.	1.1	16
14	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (edition 4.3)	4.3	1,430
15	Bioenergetics of the Fibrosis. Biochemistry (Moscow), 2021, 86, 1599-1606.	0.7	2
16	K ⁺ -Driven ATP Synthesis in Isolated Heart Mitochondria. Biophysical Journal, 2020, 118, 129a.	0.2	1
17	Effects of Recombinant Spidroin rS1/9 on Brain Neural Progenitors After Photothrombosis-Induced Ischemia. Frontiers in Cell and Developmental Biology, 2020, 8, 823.	1.8	8
18	P0017ESTIMATION OF KIDNEY MITOCHONDRIA TOLERANCE VIA FLUORESCENCE MICROSCOPY. Nephrology Dialysis Transplantation, 2020, 35, .	0.4	0

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19	Mitochondria in the Nuclei of Rat Myocardial Cells. <i>Cells</i> , 2020, 9, 712.	1.8	8
20	A Combination of Kidney Ischemia and Injection of Isolated Mitochondria Leads to Activation of Inflammation and Increase in Mortality Rate in Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2020, 169, 213-217.	0.3	4
21	Mitochondrial ATP Synthase Utilizes Both K ⁺ and H ⁺ Conductances to Drive ATP Synthesis. <i>Biophysical Journal</i> , 2020, 118, 441a.	0.2	1
22	Microbiome-Metabolome Signature of Acute Kidney Injury. <i>Metabolites</i> , 2020, 10, 142.	1.3	29
23	Nonphosphorylating Oxidation in Mitochondria and Related Processes. <i>Biochemistry (Moscow)</i> , 2020, 85, 1570-1577.	0.7	7
24	Linking 7-Nitrobenzo-2-oxa-1,3-diazole (NBD) to Triphenylphosphonium Yields Mitochondria-Targeted Protonophore and Antibacterial Agent. <i>Biochemistry (Moscow)</i> , 2020, 85, 1578-1590.	0.7	7
25	Targeting Inflammation and Oxidative Stress as a Therapy for Ischemic Kidney Injury. <i>Biochemistry (Moscow)</i> , 2020, 85, 1591-1602.	0.7	18
26	Resemblance and differences in dietary restriction nephroprotective mechanisms in young and old rats. <i>Aging</i> , 2020, 12, 18693-18715.	1.4	12
27	Zwitterionic Protonophore Derived from 2-(2-Hydroxyaryl)alkenylphosphonium as an Uncoupler of Oxidative Phosphorylation. <i>Bioconjugate Chemistry</i> , 2019, 30, 2435-2443.	1.8	14
28	Pros and Cons of Use of Mitochondria-Targeted Antioxidants. <i>Antioxidants</i> , 2019, 8, 316.	2.2	20
29	Mitochondria as a Source and a Target for Uremic Toxins. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3094.	1.8	39
30	Mitochondrial Damage and Mitochondria-Targeted Antioxidant Protection in LPS-Induced Acute Kidney Injury. <i>Antioxidants</i> , 2019, 8, 176.	2.2	51
31	Effect of MSCs and MSC-Derived Extracellular Vesicles on Human Blood Coagulation. <i>Cells</i> , 2019, 8, 258.	1.8	91
32	Lessons from the Discovery of Mitochondrial Fragmentation (Fission): A Review and Update. <i>Cells</i> , 2019, 8, 175.	1.8	65
33	Rapamycin Is Not Protective against Ischemic and Cisplatin-Induced Kidney Injury. <i>Biochemistry (Moscow)</i> , 2019, 84, 1502-1512.	0.7	9
34	Kidney Cells Regeneration: Dedifferentiation of Tubular Epithelium, Resident Stem Cells and Possible Niches for Renal Progenitors. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6326.	1.8	33
35	Mitochondria-Associated Matrix Metalloproteinases 2 and 9 in Acute Renal Pathologies. <i>Bulletin of Experimental Biology and Medicine</i> , 2019, 166, 334-338.	0.3	6
36	Effect of Silk Fibroin on Neuroregeneration After Traumatic Brain Injury. <i>Neurochemical Research</i> , 2019, 44, 2261-2272.	1.6	21

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37	Functional Significance of the Mitochondrial Membrane Potential. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2018, 12, 20-26.	0.3	28
38	High Intrinsic Aerobic Endurance Capacity Preserves Cardiomyocyte Quality Control, Mitochondrial Fitness and Lifespan. <i>Biophysical Journal</i> , 2018, 114, 662a.	0.2	0
39	Mitochondrial membrane potential. <i>Analytical Biochemistry</i> , 2018, 552, 50-59.	1.1	1,161
40	FP237EFFECTS OF THE AGE ON ACUTE KIDNEY INJURY IN NEONATAL AND ADULT RATS. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, i109-i109.	0.4	0
41	FP037INFLUENCE OF INFLAMMATION ON MMSC:ANTI-INFLAMMATORY PRIMING OR SWITCHING TO INFLAMMATORY PHENOTYPE. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, i59-i60.	0.4	0
42	Pregnancy protects the kidney from acute ischemic injury. <i>Scientific Reports</i> , 2018, 8, 14534.	1.6	17
43	Mechanisms of Age-Dependent Loss of Dietary Restriction Protective Effects in Acute Kidney Injury. <i>Cells</i> , 2018, 7, 178.	1.8	20
44	Aged kidney: can we protect it? Autophagy, mitochondria and mechanisms of ischemic preconditioning. <i>Cell Cycle</i> , 2018, 17, 1291-1309.	1.3	21
45	Comparative Study of the Severity of Renal Damage in Newborn and Adult Rats under Conditions of Ischemia/Reperfusion and Endotoxin Administration. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 165, 189-194.	0.3	3
46	Neuroprotective Effects of Mitochondria-Targeted Plastoquinone in a Rat Model of Neonatal Hypoxic-Ischemic Brain Injury. <i>Molecules</i> , 2018, 23, 1871.	1.7	35
47	Miro1 Enhances Mitochondria Transfer from Multipotent Mesenchymal Stem Cells (MMSC) to Neural Cells and Improves the Efficacy of Cell Recovery. <i>Molecules</i> , 2018, 23, 687.	1.7	130
48	Mechanisms of LPS-Induced Acute Kidney Injury in Neonatal and Adult Rats. <i>Antioxidants</i> , 2018, 7, 105.	2.2	35
49	THE ROLE OF POLYAMINES IN FUNCTIONING OF REPRODUCTIVE SYSTEM CELLS. <i>Tsitologiya</i> , 2018, 60, 164-172.	0.2	4
50	CRITICAL FUNCTIONS OF MITOCHONDRIA IN THE ONSET OF PATHOLOGIES. , 2018, , .		0
51	Mitochondrial Aging: Is There a Mitochondrial Clock?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw184.	1.7	16
52	Intercellular Signalling Cross-Talk: To Kill, To Heal and To Rejuvenate. <i>Heart Lung and Circulation</i> , 2017, 26, 648-659.	0.2	24
53	Quantification of mitochondrial morphology in situ. <i>Cell and Tissue Biology</i> , 2017, 11, 51-58.	0.2	1
54	The age-associated loss of ischemic preconditioning in the kidney is accompanied by mitochondrial dysfunction, increased protein acetylation and decreased autophagy. <i>Scientific Reports</i> , 2017, 7, 44430.	1.6	35

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55	Effect of anesthetics on efficiency of remote ischemic preconditioning. <i>Biochemistry (Moscow)</i> , 2017, 82, 1006-1016.	0.7	12
56	The Influence of Proinflammatory Factors on the Neuroprotective Efficiency of Multipotent Mesenchymal Stromal Cells in Traumatic Brain Injury. <i>Bulletin of Experimental Biology and Medicine</i> , 2017, 163, 528-534.	0.3	4
57	The role of oxidative stress in acute renal injury of newborn rats exposed to hypoxia and endotoxin. <i>FEBS Journal</i> , 2017, 284, 3069-3078.	2.2	18
58	Bacterial therapy and mitochondrial therapy. <i>Biochemistry (Moscow)</i> , 2017, 82, 1549-1556.	0.7	5
59	Dysfunction of kidney endothelium after ischemia/reperfusion and its prevention by mitochondria-targeted antioxidant. <i>Biochemistry (Moscow)</i> , 2016, 81, 1538-1548.	0.7	22
60	Changes in number of neurons, astrocytes and microglia in brain after ischemic stroke assessed by immunohistochemistry and immunoblotting. <i>Cell and Tissue Biology</i> , 2016, 10, 445-452.	0.2	2
61	Molecular and cellular interactions between mother and fetus. Pregnancy as a rejuvenating factor. <i>Biochemistry (Moscow)</i> , 2016, 81, 1480-1487.	0.7	9
62	A long-linker conjugate of fluorescein and triphenylphosphonium as mitochondria-targeted uncoupler and fluorescent neuro- and nephroprotector. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2463-2473.	1.1	28
63	Mechanisms of inflammatory injury of renal tubular cells in a cellular model of pyelonephritis. <i>Biochemistry (Moscow)</i> , 2016, 81, 1240-1250.	0.7	3
64	The Use of Technetium-99m for Intravital Tracing of Transplanted Multipotent Stromal Cells. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 162, 153-159.	0.3	6
65	Mitochondria as a target for neuroprotection. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 28-36.	0.3	2
66	Do mitochondria have an immune system?. <i>Biochemistry (Moscow)</i> , 2016, 81, 1229-1236.	0.7	4
67	The role of myoglobin degradation in nephrotoxicity after rhabdomyolysis. <i>Chemico-Biological Interactions</i> , 2016, 256, 64-70.	1.7	32
68	Protection of Neurovascular Unit Cells with Lithium Chloride and Sodium Valproate Prevents Brain Damage in Neonatal Ischemia/Hypoxia. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 160, 313-318.	0.3	10
69	Prospects for using stem and progenitor cells in the therapy of consequences of neonatal hypoxic-ischemic encephalopathy. <i>Akusherstvo I Ginekologiya (Russian Federation)</i> , 2016, 5_2016, 55-66.	0.1	1
70	Mechanisms of improving the neuroprotective effects of multipotent stromal cells after Co-culturing with neurons. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2015, 9, 285-292.	0.3	0
71	Neuroprotective Effects of Mitochondria-Targeted Plastoquinone and Thymoquinone in a Rat Model of Brain Ischemia/Reperfusion Injury. <i>Molecules</i> , 2015, 20, 14487-14503.	1.7	46
72	Diseases and aging: Gender matters. <i>Biochemistry (Moscow)</i> , 2015, 80, 1560-1570.	0.7	11

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73	Specific issues of mitochondrial fragmentation (Fission). <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2015, 9, 278-284.	0.3	0
74	Intramitochondrial accumulation of cationic Atto520-biotin proceeds via voltage-dependent slow permeation through lipid membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1277-1284.	1.4	3
75	Magnetic resonance spectroscopy of the ischemic brain under lithium treatment. Link to mitochondrial disorders under stroke. <i>Chemico-Biological Interactions</i> , 2015, 237, 175-182.	1.7	23
76	Intercellular transfer of mitochondria. <i>Biochemistry (Moscow)</i> , 2015, 80, 542-548.	0.7	24
77	Mitodiversity. <i>Biochemistry (Moscow)</i> , 2015, 80, 532-541.	0.7	14
78	Intra-Arterial Administration of Multipotent Mesenchymal Stromal Cells Promotes Functional Recovery of the Brain After Traumatic Brain Injury. <i>Bulletin of Experimental Biology and Medicine</i> , 2015, 159, 528-533.	0.3	15
79	Improving the Post-Stroke Therapeutic Potency of Mesenchymal Multipotent Stromal Cells by Cocultivation With Cortical Neurons: The Role of Crosstalk Between Cells. <i>Stem Cells Translational Medicine</i> , 2015, 4, 1011-1020.	1.6	92
80	Kidney cell death in inflammation: The role of oxidative stress and mitochondria. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2014, 8, 103-110.	0.3	0
81	Mitochondrial Targeting of Antioxidants. , 2014, , 323-354.		2
82	Microbiota and mitobiota. Putting an equal sign between mitochondria and bacteria. <i>Biochemistry (Moscow)</i> , 2014, 79, 1017-1031.	0.7	39
83	Assessment of Long-Term Sensorimotor Deficit after Cerebral Ischemia/Hypoxia in Neonatal Rats. <i>Neuroscience and Behavioral Physiology</i> , 2014, 44, 879-887.	0.2	2
84	A mitochondria-targeted protonophoric uncoupler derived from fluorescein. <i>Chemical Communications</i> , 2014, 50, 15366-15369.	2.2	41
85	A short-chain alkyl derivative of Rhodamine 19 acts as a mild uncoupler of mitochondria and a neuroprotector. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1739-1747.	0.5	34
86	The Mitochondrion as a Key Regulator of Ischaemic Tolerance and Injury. <i>Heart Lung and Circulation</i> , 2014, 23, 897-904.	0.2	40
87	Mitochondria-Targeted Antioxidants and Alzheimer's Disease. , 2014, , 195-201.		2
88	Mitochondrial Reactive Oxygen Species (ROS) and ROS-Induced ROS Release. <i>Physiological Reviews</i> , 2014, 94, 909-950.	13.1	3,274
89	Lithium salts " Simple but magic. <i>Biochemistry (Moscow)</i> , 2014, 79, 740-749.	0.7	24
90	Neuroprotective effect of glutamate-substituted analog of gramicidin A is mediated by the uncoupling of mitochondria. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 3434-3442.	1.1	24

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91	Mitochondria-Targeted Plastoquinone Antioxidant SkQ1 Prevents Amyloid- β^2 -Induced Impairment of Long-Term Potentiation in Rat Hippocampal Slices. <i>Journal of Alzheimer's Disease</i> , 2013, 36, 377-383.	1.2	27
92	Role of oxidative stress and mitochondria in onset of urinary bladder dysfunction under acute urine retention. <i>Biochemistry (Moscow)</i> , 2013, 78, 542-548.	0.7	13
93	Perspectives of mitochondrial medicine. <i>Biochemistry (Moscow)</i> , 2013, 78, 979-990.	0.7	20
94	Inflammatory pre-conditioning of mesenchymal multipotent stromal cells improves their immunomodulatory potency in acute pyelonephritis in rats. <i>Cytotherapy</i> , 2013, 15, 679-689.	0.3	14
95	Nephroprotective effect of GSK-3 β inhibition by lithium ions and μ -opioid receptor agonist dalargin on gentamicin-induced nephrotoxicity. <i>Toxicology Letters</i> , 2013, 220, 303-308.	0.4	31
96	Protective effect of mitochondria-targeted antioxidants in an acute bacterial infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3100-8.	3.3	81
97	Mitochondria-targeted plastoquinone antioxidant SkQR1 decreases trauma-induced neurological deficit in rat. <i>Biochemistry (Moscow)</i> , 2012, 77, 996-999.	0.7	38
98	Methods of Detection of Mesenchymal Stem Cells in the Kidneys during Therapy of Experimental Renal Pathologies. <i>Bulletin of Experimental Biology and Medicine</i> , 2012, 154, 145-151.	0.3	3
99	Stimulation of kainate toxicity by zinc in cultured cerebellar granule neurons and the role of mitochondria in this process. <i>Toxicology Letters</i> , 2012, 208, 36-40.	0.4	10
100	Glucose starvation stimulates Zn ²⁺ toxicity in cultures of cerebellar granule neurons. <i>Brain Research Bulletin</i> , 2012, 87, 80-84.	1.4	7
101	Mild uncoupling of respiration and phosphorylation as a mechanism providing nephro- and neuroprotective effects of penetrating cations of the SkQ family. <i>Biochemistry (Moscow)</i> , 2012, 77, 1029-1037.	0.7	52
102	N-Terminally Glutamate-Substituted Analogue of Gramicidin A as Protonophore and Selective Mitochondrial Uncoupler. <i>PLoS ONE</i> , 2012, 7, e41919.	1.1	16
103	The phenoptosis problem: What is causing the death of an organism? Lessons from acute kidney injury. <i>Biochemistry (Moscow)</i> , 2012, 77, 742-753.	0.7	24
104	Mitochondria-targeted antioxidant SkQR1 ameliorates gentamycin-induced renal failure and hearing loss. <i>Biochemistry (Moscow)</i> , 2012, 77, 666-670.	0.7	34
105	The Mitochondria-Targeted Antioxidants and Remote Kidney Preconditioning Ameliorate Brain Damage through Kidney-to-Brain Cross-Talk. <i>PLoS ONE</i> , 2012, 7, e51553.	1.1	43
106	Mechanisms of nephroprotective effect of mitochondria-targeted antioxidants under rhabdomyolysis and ischemia/reperfusion. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 77-86.	1.8	104
107	Mitochondrial-Targeted Plastoquinone Derivatives. Effect on Senescence and Acute Age-Related Pathologies. <i>Current Drug Targets</i> , 2011, 12, 800-826.	1.0	147
108	In vivo injected mitochondria-targeted plastoquinone antioxidant SkQR1 prevents β^2 -amyloid-induced decay of long-term potentiation in rat hippocampal slices. <i>Biochemistry (Moscow)</i> , 2011, 76, 1367-1370.	0.7	34

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109	Synthetic and natural polyanions induce cytochrome c release from mitochondria in vitro and in situ. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C1193-C1203.	2.1	9
110	Analysis of Mitochondrial 3D-Deformation in Cardiomyocytes during Active Contraction Reveals Passive Structural Anisotropy of Orthogonal Short Axes. <i>PLoS ONE</i> , 2011, 6, e21985.	1.1	34
111	Vladimir Petrovich Skulachev seventy-fifths anniversary greetings. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2010, 4, 248-248.	0.3	0
112	Amelioration of aminoglycoside nephrotoxicity requires protection of renal mitochondria. <i>Kidney International</i> , 2010, 77, 841-843.	2.6	40
113	Inhibition of GSK-3 β Decreases the Ischemia-Induced Death of Renal Cells. <i>Bulletin of Experimental Biology and Medicine</i> , 2010, 149, 303-307.	0.3	11
114	Acidosis-Induced Zinc-Dependent Death of Cultured Cerebellar Granule Neurons. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 877-883.	1.7	17
115	Flux of fluorescently labeled ATP through mitochondrial outer membrane can be regulated by hexokinase binding. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 68.	0.5	0
116	Evaluation of neuroprotective abilities of the novel mitochondria-targeted antioxidants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 82.	0.5	0
117	Hexokinase inhibits flux of fluorescently labeled ATP through mitochondrial outer membrane porin. <i>FEBS Letters</i> , 2010, 584, 2397-2402.	1.3	21
118	Cytoplasm and organelle transfer between mesenchymal multipotent stromal cells and renal tubular cells in co-culture. <i>Experimental Cell Research</i> , 2010, 316, 2447-2455.	1.2	136
119	New-generation Skulachev ions exhibiting nephroprotective and neuroprotective properties. <i>Biochemistry (Moscow)</i> , 2010, 75, 145-150.	0.7	51
120	Matching ATP supply and demand in mammalian heart. <i>Annals of the New York Academy of Sciences</i> , 2010, 1188, 133-142.	1.8	60
121	Glutamine-mediated protection from neuronal cell death depends on mitochondrial activity. <i>Neuroscience Letters</i> , 2010, 482, 151-155.	1.0	12
122	Role of Glycogen Synthase Kinase-3 β in Cardioprotection. <i>Circulation Research</i> , 2009, 104, 1240-1252.	2.0	330
123	An attempt to prevent senescence: A mitochondrial approach. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 437-461.	0.5	359
124	Morphological Changes in the Kidneys of Rats with Postischemic Acute Renal Failure after Intrarenal Administration of Fetal Mesenchymal Stem Cells from Human Bone Marrow. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 147, 113-119.	0.3	4
125	Comparative Evaluation of Two Methods for Studies of Experimental Focal Ischemia: Magnetic Resonance Tomography and Triphenyltetrazoleum Detection of Brain Injuries. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 147, 269-272.	0.3	32
126	Safranin O as a fluorescent probe for mitochondrial membrane potential studied on the single particle level and in suspension. <i>Biochemistry (Moscow)</i> , 2009, 74, 663-671.	0.7	21

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127	Glucose deprivation potentiates toxicity of ouabain and glutamate in cortical neurons cultured for different time periods. <i>Neurochemical Journal</i> , 2009, 3, 202-206.	0.2	3
128	Regulation and pharmacology of the mitochondrial permeability transition pore. <i>Cardiovascular Research</i> , 2009, 83, 213-225.	1.8	208
129	Myoglobin causes oxidative stress, increase of NO production and dysfunction of kidney's mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 796-803.	1.8	104
130	Effect of transitory glucose deprivation on mitochondrial structure and functions in cultured cerebellar granule neurons. <i>Neuroscience Letters</i> , 2009, 461, 140-144.	1.0	20
131	Protonophoric Activity Of Gramicidin A Modified By Charged Amino-acids At Its N-terminus. <i>Biophysical Journal</i> , 2009, 96, 535a.	0.2	0
132	Heterogeneity of Mitochondrial Potential as a Marker for Isolation of Pure Cardiomyoblast Population. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 146, 506-511.	0.3	9
133	<i>The Identity and Regulation of the Mitochondrial Permeability Transition Pore</i>. <i>Annals of the New York Academy of Sciences</i> , 2008, 1123, 197-212.	1.8	122
134	Mitochondrial free radical production induced by glucose deprivation in cerebellar granule neurons. <i>Biochemistry (Moscow)</i> , 2008, 73, 149-155.	0.7	29
135	Role of acidosis, NMDA receptors, and acid-sensitive ion channel 1a (ASIC1a) in neuronal death induced by ischemia. <i>Biochemistry (Moscow)</i> , 2008, 73, 1171-1175.	0.7	35
136	Mitochondria-targeted plastoquinone derivatives as tools to interrupt execution of the aging program. 2. Treatment of some ROS- and Age-related diseases (heart arrhythmia, heart infarctions,) <i>Tj ETQq0 0 0 rg07 /Overlaid 10 Tf 50</i>	0.7	10
137	Interrelations of mitochondrial fragmentation and cell death under ischemia/reoxygenation and UVâ€œirradiation: Protective effects of SkQ1, lithium ions and insulin. <i>FEBS Letters</i> , 2008, 582, 3117-3124.	1.3	53
138	Cellâ€œCell crossâ€œtalk between mesenchymal stem cells and cardiomyocytes in coâ€œculture. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1622-1631.	1.6	196
139	S8.24 Cell-to-cell cross-talk between mesenchymal stem cells and cardiomyocytes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S53-S54.	0.5	0
140	Peak intensity analysis as a method for estimation of fluorescent probe binding to artificial and natural nanoparticles: Tetramethylrhodamine uptake by isolated mitochondria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2182-2190.	1.4	33
141	The role of mitochondria in oxidative and nitrosative stress during ischemia/reperfusion in the rat kidney. <i>Kidney International</i> , 2007, 72, 1493-1502.	2.6	172
142	Paraquat potentiates glutamate toxicity in immature cultures of cerebellar granule neurons. <i>Toxicology Letters</i> , 2007, 174, 82-88.	0.4	19
143	Cellular mechanisms of brain hypoglycemia. <i>Biochemistry (Moscow)</i> , 2007, 72, 471-478.	0.7	20
144	The mitochondrion as Janus Bifrons. <i>Biochemistry (Moscow)</i> , 2007, 72, 1115-1126.	0.7	47

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145	Effects of ischemic and hypoxic preconditioning on the state of mitochondria and function of ischemic kidneys. <i>Bulletin of Experimental Biology and Medicine</i> , 2007, 143, 105-109.	0.3	8
146	Mitochondrial ROS-induced ROS release: An update and review. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 509-517.	0.5	892
147	Mitochondrial contact sites: Their role in energy metabolism and apoptosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 148-163.	1.8	129
148	Functional activity of mitochondria in cultured neural precursor cells. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 141, 142-146.	0.3	12
149	Mitochondrial regulation of production of reactive oxygen species and nitrogen in rat cells of kidney during ischemia/reperfusion. <i>Doklady Biochemistry and Biophysics</i> , 2005, 400, 80-83.	0.3	1
150	Reactive oxygen and nitrogen species: Friends or foes?. <i>Biochemistry (Moscow)</i> , 2005, 70, 215-221.	0.7	51
151	Role of Mitochondria in the Mechanisms of Glutamate Toxicity. <i>Biochemistry (Moscow)</i> , 2005, 70, 611-618.	0.7	11
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