

Denis N Silachev

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,072
citations

430874

18
h-index

243625

44
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55
all docs

55
docs citations

55
times ranked

3401
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial membrane potential. <i>Analytical Biochemistry</i> , 2018, 552, 50-59.	2.4	1,161
2	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.	3.3	92
3	Effect of MSCs and MSC-Derived Extracellular Vesicles on Human Blood Coagulation. <i>Cells</i> , 2019, 8, 258.	4.1	91
4	The Mitochondria-Targeted Antioxidants and Remote Kidney Preconditioning Ameliorate Brain Damage through Kidney-to-Brain Cross-Talk. <i>PLoS ONE</i> , 2012, 7, e51553.	2.5	43
5	The Mitochondrion as a Key Regulator of Ischaemic Tolerance and Injury. <i>Heart Lung and Circulation</i> , 2014, 23, 897-904.	0.4	40
6	Mitochondria as a Source and a Target for Uremic Toxins. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3094.	4.1	39
7	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.	3.3	35
8	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.	1.0	34
9	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.	4.1	33
10	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.	0.8	32
11	The role of myoglobin degradation in nephrotoxicity after rhabdomyolysis. <i>Chemico-Biological Interactions</i> , 2016, 256, 64-70.	4.0	32
12	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.	2.4	28
13	Functional Significance of the Mitochondrial Membrane Potential. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2018, 12, 20-26.	0.6	28
14	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.	2.4	24
15	Intercellular Signalling Cross-Talk: To Kill, To Heal and To Rejuvenate. <i>Heart Lung and Circulation</i> , 2017, 26, 648-659.	0.4	24
16	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.	4.0	23
17	Aged kidney: can we protect it? Autophagy, mitochondria and mechanisms of ischemic preconditioning. <i>Cell Cycle</i> , 2018, 17, 1291-1309.	2.6	21
18	Effect of Silk Fibroin on Neuroregeneration After Traumatic Brain Injury. <i>Neurochemical Research</i> , 2019, 44, 2261-2272.	3.3	21

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19	Mechanisms of Age-Dependent Loss of Dietary Restriction Protective Effects in Acute Kidney Injury. <i>Cells</i> , 2018, 7, 178.	4.1	20
20	Age-Related Changes in Bone-Marrow Mesenchymal Stem Cells. <i>Cells</i> , 2021, 10, 1273.	4.1	19
21	Endogenous Methanol Regulates Mammalian Gene Activity. <i>PLoS ONE</i> , 2014, 9, e90239.	2.5	18
22	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.	4.7	18
23	Pregnancy protects the kidney from acute ischemic injury. <i>Scientific Reports</i> , 2018, 8, 14534.	3.3	17
24	Effects of Traumatic Brain Injury on the Gut Microbiota Composition and Serum Amino Acid Profile in Rats. <i>Cells</i> , 2022, 11, 1409.	4.1	17
25	Neuroprotective Potential of Mild Uncoupling in Mitochondria. <i>Pros and Cons. Brain Sciences</i> , 2021, 11, 1050.	2.3	16
26	Mouse models characterize GNAO1 encephalopathy as a neurodevelopmental disorder leading to motor anomalies: from a severe G203R to a milder C215Y mutation. <i>Acta Neuropathologica Communications</i> , 2022, 10, 9.	5.2	16
27	Is the Mitochondrial Membrane Potential ($\Delta\psi$) Correctly Assessed? Intracellular and Intramitochondrial Modifications of the $\Delta\psi$ Probe, Rhodamine 123. <i>International Journal of Molecular Sciences</i> , 2022, 23, 482.	4.1	15
28	Effect of anesthetics on efficiency of remote ischemic preconditioning. <i>Biochemistry (Moscow)</i> , 2017, 82, 1006-1016.	1.5	12
29	Resemblance and differences in dietary restriction nephroprotective mechanisms in young and old rats. <i>Aging</i> , 2020, 12, 18693-18715.	3.1	12
30	Effect of Xenon Treatment on Gene Expression in Brain Tissue after Traumatic Brain Injury in Rats. <i>Brain Sciences</i> , 2021, 11, 889.	2.3	11
31	Rapamycin Is Not Protective against Ischemic and Cisplatin-Induced Kidney Injury. <i>Biochemistry (Moscow)</i> , 2019, 84, 1502-1512.	1.5	9
32	Effects of Recombinant Spidroin rS1/9 on Brain Neural Progenitors After Photothrombosis-Induced Ischemia. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 823.	3.7	8
33	Nonphosphorylating Oxidation in Mitochondria and Related Processes. <i>Biochemistry (Moscow)</i> , 2020, 85, 1570-1577.	1.5	7
34	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.	1.5	7
35	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.	0.8	6
36	New Aspects of Biodistribution of Perfluorocarbon Emulsions in Rats: Thymus Imaging. <i>Applied Magnetic Resonance</i> , 2020, 51, 1625-1635.	1.2	5

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37	Preservation of Mesenchymal Stem Cell-Derived Extracellular Vesicles after Abdominal Delivery in the Experiment. <i>Bulletin of Experimental Biology and Medicine</i> , 2020, 169, 122-129.	0.8	5
38	The potential of extracellular microvesicles of mesenchymal stromal cells in obstetrics. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, 35, 7523-7525.	1.5	5
39	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.	0.8	4
40	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.	0.8	4
41	Dietary restriction modulates mitochondrial DNA damage and oxylipin profile in aged rats. <i>FEBS Journal</i> , 2022, 289, 5697-5713.	4.7	4
42	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.	0.8	3
43	Protective Effects of PGC-1 β Activators on Ischemic Stroke in a Rat Model of Photochemically Induced Thrombosis. <i>Brain Sciences</i> , 2021, 11, 325.	2.3	3
44	Chlorin Endogenous to the North Pacific Brittle Star <i>Ophiura sarsii</i> for Photodynamic Therapy Applications in Breast Cancer and Glioblastoma Models. <i>Biomedicines</i> , 2022, 10, 134.	3.2	3
45	Assessment of Long-Term Sensorimotor Deficit after Cerebral Ischemia/Hypoxia in Neonatal Rats. <i>Neuroscience and Behavioral Physiology</i> , 2014, 44, 879-887.	0.4	2
46	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.	0.4	2
47	Mitochondria as a target for neuroprotection. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 28-36.	0.6	2
48	Quantification of mitochondrial morphology in situ. <i>Cell and Tissue Biology</i> , 2017, 11, 51-58.	0.4	1
49	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.	0.6	0
50	Specific issues of mitochondrial fragmentation (Fission). <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2015, 9, 278-284.	0.6	0
51	FP237EFFECTS OF THE AGE ON ACUTE KIDNEY INJURY IN NEONATAL AND ADULT RATS. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, i109-i109.	0.7	0
52	FP037INFLUENCE OF INFLAMMATION ON MMSC:ANTI-INFLAMMATORY PRIMING OR SWITCHING TO INFLAMMATORY PHENOTYPE. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, i59-i60.	0.7	0
53	CRITICAL FUNCTIONS OF MITOCHONDRIA IN THE ONSET OF PATHOLOGIES. , 2018, , .		0
54	Therapeutic effect of human umbilical cord-derived multipotent mesenchymal stromal cells in a patient with Criglerâ€Najjar syndrome type I. <i>Rossiyskiy Vestnik Perinatologii I Pediatrii</i> , 2019, 64, 26-34.	0.3	0

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55	URINARY EXTRACELLULAR VESICLES AS MARKERS FOR KIDNEY DISEASES. <i>Pediatrics</i> , 2020, 99, 154-163.	0.2	0