

Nataliya G Kolosova

List of Publications by Citations

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156 papers	3,062 citations	27 h-index	49 g-index
165 ext. papers	3,494 ext. citations	2.9 avg, IF	5.15 L-index

#	Paper	IF	Citations
156	(E)-beta-ocimene and myrcene synthase genes of floral scent biosynthesis in snapdragon: function and expression of three terpene synthase genes of a new terpene synthase subfamily. <i>Plant Cell</i> , 2003 , 15, 1227-41	11.6	339
155	An attempt to prevent senescence: a mitochondrial approach. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009 , 1787, 437-61	4.6	304
154	Mitochondrial-targeted plastoquinone derivatives. Effect on senescence and acute age-related pathologies. <i>Current Drug Targets</i> , 2011 , 12, 800-26	3	122
153	Mitochondria-targeted plastoquinone derivatives as tools to interrupt execution of the aging program. 4. Age-related eye disease. SkQ1 returns vision to blind animals. <i>Biochemistry (Moscow)</i> , 2008 , 73, 1317-28	2.9	108
152	Long-term antioxidant supplementation attenuates oxidative stress markers and cognitive deficits in senescent-accelerated OXYS rats. <i>Neurobiology of Aging</i> , 2006 , 27, 1289-97	5.6	86
151	Behavioral effects induced by mitochondria-targeted antioxidant SkQ1 in Wistar and senescence-accelerated OXYS rats. <i>Journal of Alzheimer's Disease</i> , 2010 , 21, 479-91	4.3	65
150	Prevention of age-related macular degeneration-like retinopathy by rapamycin in rats. <i>American Journal of Pathology</i> , 2012 , 181, 472-7	5.8	64
149	Senescence-accelerated OXYS rats: a model of age-related cognitive decline with relevance to abnormalities in Alzheimer disease. <i>Cell Cycle</i> , 2014 , 13, 898-909	4.7	57
148	Alzheimer's disease-like pathology in senescence-accelerated OXYS rats can be partially retarded with mitochondria-targeted antioxidant SkQ1. <i>Journal of Alzheimer's Disease</i> , 2014 , 38, 681-94	4.3	54
147	Mitochondria-targeted antioxidant SkQ1 inhibits age-dependent involution of the thymus in normal and senescence-prone rats. <i>Aging</i> , 2009 , 1, 389-401	5.6	54
146	Melatonin Attenuates Memory Impairment, Amyloid- β Accumulation, and Neurodegeneration in a Rat Model of Sporadic Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 47, 103-16	4.3	53
145	Rat retinal transcriptome: effects of aging and AMD-like retinopathy. <i>Cell Cycle</i> , 2013 , 12, 1745-61	4.7	51
144	Melatonin attenuates impairments of structural hippocampal neuroplasticity in OXYS rats during active progression of Alzheimer's disease-like pathology. <i>Journal of Pineal Research</i> , 2015 , 59, 163-77	10.4	50
143	Alterations of retinal pigment epithelium cause AMD-like retinopathy in senescence-accelerated OXYS rats. <i>Aging</i> , 2011 , 3, 44-54	5.6	50
142	Therapeutic action of the mitochondria-targeted antioxidant SkQ1 on retinopathy in OXYS rats linked with improvement of VEGF and PEDF gene expression. <i>PLoS ONE</i> , 2011 , 6, e21682	3.7	49
141	Rapamycin suppresses brain aging in senescence-accelerated OXYS rats. <i>Aging</i> , 2013 , 5, 474-84	5.6	48
140	Amyloid accumulation is a late event in sporadic Alzheimer's disease-like pathology in nontransgenic rats. <i>Oncotarget</i> , 2015 , 6, 1396-413	3.3	46

139	An antioxidant specifically targeting mitochondria delays progression of Alzheimer's disease-like pathology. <i>Aging</i> , 2016 , 8, 2713-2733	5.6	39
138	Beneficial effects of melatonin in a rat model of sporadic Alzheimer's disease. <i>Biogerontology</i> , 2015 , 16, 303-16	4.5	37
137	Impairment of respiratory functions in mitochondria of rats with an inherited hyperproduction of free radicals. <i>Biochemical and Biophysical Research Communications</i> , 1994 , 205, 180-5	3.4	37
136	The mitochondria-targeted antioxidant SkQ1 but not N-acetylcysteine reverses aging-related biomarkers in rats. <i>Aging</i> , 2012 , 4, 686-94	5.6	37
135	Development of behavioural dysfunctions in accelerated-senescence OXYS rats is associated with early postnatal alterations in brain phosphate metabolism. <i>Experimental Gerontology</i> , 2006 , 41, 141-50	4.5	36
134	Antioxidant SkQ1 delays sarcopenia-associated damage of mitochondrial ultrastructure. <i>Aging</i> , 2014 , 6, 140-8	5.6	35
133	19F NMR measurements of NO production in hypertensive ISIAH and OXYS rats. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 330, 367-70	3.4	33
132	Effects of <i>Cistanche deserticola</i> on behavior and signs of cataract and retinopathy in senescence-accelerated OXYS rats. <i>Journal of Ethnopharmacology</i> , 2011 , 138, 624-32	5	28
131	Changes in Retinal Glial Cells with Age and during Development of Age-Related Macular Degeneration. <i>Biochemistry (Moscow)</i> , 2018 , 83, 1009-1017	2.9	28
130	Neuroprotective effects of ceftriaxone treatment on cognitive and neuronal deficits in a rat model of accelerated senescence. <i>Behavioural Brain Research</i> , 2017 , 330, 8-16	3.4	27
129	Morphometric Examination of Mitochondrial Ultrastructure in Aging Cardiomyocytes. <i>Biochemistry (Moscow)</i> , 2015 , 80, 604-9	2.9	27
128	Clinical and morphological characteristics of chorioretinal degeneration in early aging OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2008 , 146, 455-8	0.8	27
127	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	4.9	26
126	Mitochondrial Dysfunction as a Predictor and Driver of Alzheimer's Disease-Like Pathology in OXYS Rats. <i>Journal of Alzheimer's Disease</i> , 2018 , 63, 1075-1088	4.3	25
125	Association of AMD-like retinopathy development with an Alzheimer's disease metabolic pathway in OXYS rats. <i>Biogerontology</i> , 2013 , 14, 753-62	4.5	25
124	OXYS rats as a model of senile cataract. <i>Bulletin of Experimental Biology and Medicine</i> , 2003 , 136, 415-9	0.8	25
123	Molecular and Cellular Mechanisms of Sporadic Alzheimer's Disease: Studies on Rodent Models in vivo. <i>Biochemistry (Moscow)</i> , 2017 , 82, 1088-1102	2.9	23
122	Identification of functional networks associated with cell death in the retina of OXYS rats during the development of retinopathy. <i>Cell Cycle</i> , 2015 , 14, 3544-56	4.7	22

121	Changes in physicochemical parameters and alpha-crystallin expression in the lens during cataract development in OXYS rats. 5. <i>Biochemistry (Moscow)</i> , 2008 , 73, 1176-82	2.9	22
120	Effect of histochrome on brain vessels and research and exploratory activity of senescence-accelerated OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2007 , 143, 467-71	0.8	22
119	Age-associated changes in oxidative damage and the activity of antioxidant enzymes in rats with inherited overgeneration of free radicals. <i>Journal of Cellular and Molecular Medicine</i> , 2006 , 10, 206-15	5.6	22
118	Redox-sensitive mechanism of no scavenging by nitronyl nitroxides. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 248-58	7.8	22
117	Association of cerebrovascular dysfunction with the development of Alzheimer's disease-like pathology in OXYS rats. <i>BMC Genomics</i> , 2018 , 19, 75	4.5	21
116	SkQ1 slows development of age-dependent destructive processes in retina and vascular layer of eyes of wistar and OXYS rats. <i>Biochemistry (Moscow)</i> , 2012 , 77, 648-58	2.9	21
115	Antioxidant SkQ1 Alleviates Signs of Alzheimer's Disease-like Pathology in Old OXYS Rats by Reversing Mitochondrial Deterioration. <i>Current Alzheimer Research</i> , 2017 , 14, 1283-1292	3	21
114	The mitochondria-targeted antioxidant SkQ1 restores B-crystallin expression and protects against AMD-like retinopathy in OXYS rats. <i>Cell Cycle</i> , 2014 , 13, 3499-505	4.7	20
113	Contributions of age-related alterations of the retinal pigment epithelium and of glia to the AMD-like pathology in OXYS rats. <i>Scientific Reports</i> , 2017 , 7, 41533	4.9	19
112	Influence of Antioxidant SkQ1 on Accumulation of Mitochondrial DNA Deletions in the Hippocampus of Senescence-Accelerated OXYS Rats. <i>Biochemistry (Moscow)</i> , 2015 , 80, 596-603	2.9	19
111	Senescence-accelerated OXYS rats: A genetic model of premature aging and age-related diseases. <i>Advances in Gerontology</i> , 2014 , 4, 294-298	0.4	19
110	Modulation of the expression of genes related to the system of amyloid-beta metabolism in the brain as a novel mechanism of ceftriaxone neuroprotective properties. <i>BMC Neuroscience</i> , 2018 , 19, 13	3.2	18
109	Comparison of behavioral and biochemical deficits in rats with hereditary defined or D-galactose-induced accelerated senescence: evaluating the protective effects of diosgenin. <i>Pharmacology Biochemistry and Behavior</i> , 2014 , 120, 7-16	3.9	18
108	Lipofuscin granule dynamics during development of age-related macular degeneration. <i>Biochemistry (Moscow)</i> , 2010 , 75, 130-8	2.9	18
107	Deaminated UV filter 3-hydroxykynurenine O-beta-D-glucoside is found in cataractous human lenses. <i>Experimental Eye Research</i> , 2008 , 86, 951-6	3.7	18
106	Dynamics of structural and functional changes in hepatocyte mitochondria of senescence-accelerated OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2001 , 132, 814-9	0.8	18
105	Comparison of antioxidants in the ability to prevent cataract in prematurely aging OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2004 , 137, 249-51	0.8	17
104	Emotional state and one-trial learning in OXYS rats with hereditarily elevated production of oxygen radicals. <i>Bulletin of Experimental Biology and Medicine</i> , 2000 , 130, 746-8	0.8	17

103	p62 /SQSTM1 coding plasmid prevents age related macular degeneration in a rat model. <i>Aging</i> , 2018 , 10, 2136-2147	5.6	17
102	Immunohistochemical localization of NGF, BDNF, and their receptors in a normal and AMD-like rat retina. <i>BMC Medical Genomics</i> , 2019 , 12, 48	3.7	16
101	Involvement of the autophagic pathway in the progression of AMD-like retinopathy in senescence-accelerated OXYS rats. <i>Biogerontology</i> , 2018 , 19, 223-235	4.5	16
100	Comparative analysis of LPO products in brain structures of Wistar and OXYS rats of different age. <i>Bulletin of Experimental Biology and Medicine</i> , 2003 , 135, 593-6	0.8	16
99	Quantitative trait loci on chromosome 1 for cataract and AMD-like retinopathy in senescence-accelerated OXYS rats. <i>Aging</i> , 2012 , 4, 49-59	5.6	15
98	Molecular mechanisms of cell death in retina during development of age-related macular degeneration. <i>Advances in Gerontology</i> , 2017 , 7, 17-24	0.4	14
97	Mechanisms of Neuronal Death in the Cerebral Cortex during Aging and Development of Alzheimer's Disease-Like Pathology in Rats. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	14
96	Effect of malate on the development of rotenone-induced brain changes in Wistar and OXYS rats: An MRI study. <i>Doklady Biological Sciences</i> , 2011 , 437, 72-5	0.9	14
95	Evaluation of effects of histochrome and mexidol on structural and functional characteristics of the brain in senescence-accelerated OXYS rats by magnetic resonance imaging. <i>Bulletin of Experimental Biology and Medicine</i> , 2011 , 150, 739-43	0.8	14
94	The Rat Prefrontal-Cortex Transcriptome: Effects of Aging and Sporadic Alzheimer's Disease-Like Pathology. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 33-43	6.4	14
93	Impact of Changes in Neurotrophic Supplementation on Development of Alzheimer's Disease-Like Pathology in Oxys Rats. <i>Biochemistry (Moscow)</i> , 2017 , 82, 318-329	2.9	13
92	Suppression of Alzheimer's Disease-Like Pathology Progression by Mitochondria-Targeted Antioxidant SkQ1: A Transcriptome Profiling Study. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 3984906	6.7	13
91	Effects of the mitochondria-targeted antioxidant SkQ1 on sexually motivated behavior in male rats. <i>Pharmacology Biochemistry and Behavior</i> , 2010 , 96, 211-6	3.9	13
90	Bone mineralization in senescence-accelerated OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2002 , 133, 171-4	0.8	13
89	Suppression of AMD-Like Pathology by Mitochondria-Targeted Antioxidant SkQ1 Is Associated with a Decrease in the Accumulation of Amyloid β and in mTOR Activity. <i>Antioxidants</i> , 2019 , 8,	7.1	12
88	Age-dependent guanine oxidation in DNA of different brain regions of Wistar rats and prematurely aging OXYS rats. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 3542-52	4	12
87	Immunofluorescent detection of 8-oxoguanine DNA lesions in liver cells from aging OXYS rats, a strain prone to overproduction of free radicals. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006 , 599, 88-97	3.3	12
86	Opposite effects of antioxidants on anxiety in Wistar and OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2006 , 141, 734-7	0.8	12

85	Activity of cell immune response and open field behavior in Wistar and OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2003 , 136, 377-9	0.8	12
84	Efficacy of Mitochondrial Antioxidant Plastoquinonyl-decyl-triphenylphosphonium Bromide (SkQ1) in the Rat Model of Autoimmune Arthritis. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 8703645	6.7	12
83	Alterations of hippocampal neurogenesis during development of Alzheimer's disease-like pathology in OXYS rats. <i>Experimental Gerontology</i> , 2019 , 115, 32-45	4.5	12
82	Parameters of cell immune response in Wistar and OXYS rats and their behavior in the open field test. <i>Bulletin of Experimental Biology and Medicine</i> , 2003 , 136, 588-90	0.8	10
81	Tryptophan and kynurenine levels in lenses of Wistar and accelerated-senescence OXYS rats. <i>Molecular Vision</i> , 2009 , 15, 2780-8	2.3	10
80	Age-related changes in the water-soluble lens protein composition of Wistar and accelerated-senescence OXYS rats. <i>Molecular Vision</i> , 2011 , 17, 1457-67	2.3	10
79	Mitochondria with Morphology Characteristic for Alzheimer's Disease Patients Are Found in the Brain of OXYS Rats. <i>Biochemistry (Moscow)</i> , 2018 , 83, 1083-1088	2.9	10
78	Genes of susceptibility to early neurodegenerative changes in the rat retina and brain: analysis by means of congenic strains. <i>BMC Genetics</i> , 2016 , 17, 153	2.6	9
77	Disruptions of Autophagy in the Rat Retina with Age During the Development of Age-Related-Macular-Degeneration-like Retinopathy. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
76	Ameliorative effects of SkQ1 eye drops on cataractogenesis in senescence-accelerated OXYS rats. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 237-48	3.8	8
75	Assessment of Nephroprotective Potential of Histochrome during Induced Arterial Hypertension. <i>Bulletin of Experimental Biology and Medicine</i> , 2015 , 160, 223-7	0.8	8
74	The Mitochondria-Targeted Antioxidant SkQ1 Downregulates Aryl Hydrocarbon Receptor-Dependent Genes in the Retina of OXYS Rats with AMD-Like Retinopathy. <i>Journal of Ophthalmology</i> , 2014 , 2014, 530943	2	8
73	The therapeutic effect of mitochondria-targeted antioxidant SkQ1 and Cistanche deserticola is associated with increased levels of tryptophan and kynurenine in the rat lens. <i>Doklady Biochemistry and Biophysics</i> , 2012 , 447, 300-3	0.8	8
72	Expression of Ext1, Ext2, and heparanase genes in brain of senescence-accelerated OXYS rats in early ontogenesis and during development of neurodegenerative changes. <i>Biochemistry (Moscow)</i> , 2012 , 77, 56-61	2.9	8
71	Age-specific peculiarities of formation of long-term posttetanic potentiation in OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2011 , 151, 71-3	0.8	8
70	Oxidation of guanine in liver and lung DNA of prematurely aging OXYS rats. <i>Biochemistry (Moscow)</i> , 2006 , 71, 612-8	2.9	8
69	SkQ1 Suppresses the p38 MAPK Signaling Pathway Involved in Alzheimer's Disease-Like Pathology in OXYS Rats. <i>Antioxidants</i> , 2020 , 9,	7.1	8
68	p38 MAPK-dependent alphaB-crystallin phosphorylation in Alzheimer's disease-like pathology in OXYS rats. <i>Experimental Gerontology</i> , 2019 , 119, 45-52	4.5	7

67	Comparative Study on Hypertension-Induced Cerebral Vascular Alterations in Two Rat Lines by Magnetic Resonance Angiography. <i>Applied Magnetic Resonance</i> , 2012 , 42, 487-497	0.8	7
66	Stimulation of cell component of the immune response activates exploratory behavior in senescence accelerated OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2005 , 140, 345-7	0.8	7
65	Improving Bone Microarchitecture in Aging with Diosgenin Treatment: A Study in Senescence-Accelerated OXYS Rats. <i>Chinese Journal of Physiology</i> , 2015 , 58, 322-31	1.6	7
64	Phosphorylation of B-crystallin in the myocardium: Analysis of relations with aging and cardiomyopathy. <i>Experimental Gerontology</i> , 2017 , 95, 26-33	4.5	6
63	Application of quantitative trait locus mapping and transcriptomics to studies of the senescence-accelerated phenotype in rats. <i>BMC Genomics</i> , 2014 , 15 Suppl 12, S3	4.5	6
62	The estimation of the possibilities of synchrotron radiation X-ray fluorescent analysis and atomic spectrometry for the bone's elemental composition determination. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 543, 254-258	1.2	6
61	Increased stress reactivity as a possible factor of early degenerative changes in OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2005 , 139, 397-9	0.8	6
60	Features of Postnatal Hippocampal Development in a Rat Model of Sporadic Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2020 , 14, 533	5.1	5
59	Effect of long-term cold exposure on activities of cytochrome P450-containing monooxygenases and glutathione S-transferase in rat liver microsomes. <i>Bulletin of Experimental Biology and Medicine</i> , 2004 , 138, 237-9	0.8	5
58	Generation of reactive oxygen species by mitochondria in senescence-accelerated OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2002 , 133, 175-7	0.8	5
57	Mitochondria-targeted antioxidant SkQ1 reduces age-related alterations in the ultrastructure of the lacrimal gland. <i>Oncotarget</i> , 2016 , 7, 80208-80222	3.3	5
56	Single-Nucleotide Polymorphisms Associated with the Senescence-Accelerated Phenotype of OXYS Rats: A Focus on Alzheimer's Disease-Like and Age-Related-Macular-Degeneration-Like Pathologies. <i>Journal of Alzheimer's Disease</i> , 2020 , 73, 1167-1183	4.3	4
55	Evolution of Alzheimer's disease pathogenesis conception. <i>Moscow University Biological Sciences Bulletin</i> , 2016 , 71, 4-10	0.5	4
54	Potential of melatonin for prevention of age-related macular degeneration: Experimental study. <i>Advances in Gerontology</i> , 2013 , 3, 302-308	0.4	4
53	Antioxidants resveratrol and SkQ1 attenuate praziquantel adverse effects on the liver in <i>Opisthorchis felinus</i> infected hamsters. <i>Acta Tropica</i> , 2021 , 220, 105954	3.2	4
52	Comparative analysis of the complete nucleotide sequences of mitochondrial DNA of rat strains Wistar and oxys of the institute of cytology and genetics, Siberian Branch, Russian Academy of Sciences. <i>Russian Journal of Genetics: Applied Research</i> , 2015 , 5, 1-7		3
51	Comparative study of perception and processing of socially or sexually significant odor information in male rats with normal or accelerated senescence using fMRI. <i>Behavioural Brain Research</i> , 2015 , 294, 89-94	3.4	3
50	Assessment of Combined Therapy of Histocholesterol and Nebivolol as Angioprotectors on the Background of Experimental Hypertension by Magnetic Resonance Angiography. <i>Applied Magnetic Resonance</i> , 2018 , 49, 217-225	0.8	3

49	Metformin reduces the signs of sarcopenia in old OXYS rats. <i>Advances in Gerontology</i> , 2016 , 6, 70-74	0.4	3
48	The influence of changes in expression of redox-sensitive genes on the development of retinopathy in rats. <i>Experimental and Molecular Pathology</i> , 2016 , 101, 124-32	4.4	3
47	Hemorheological parameters and their correlations in OXYS rats: a new model of hyperviscosity syndrome. <i>Clinical Hemorheology and Microcirculation</i> , 2015 , 60, 405-11	2.5	3
46	Peculiarities of bone marrow hemopoiesis in early aging OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2007 , 144, 86-8	0.8	3
45	Activity of 20S proteasomes and content of oxidized proteins in rat liver after long-term cold exposure. <i>Bulletin of Experimental Biology and Medicine</i> , 2006 , 142, 182-5	0.8	3
44	Effects of 25-hydroxycholesterol and progesterone on viscosity, cholesterol esterification, and protein-lipid interactions in macrophage membranes. <i>Bulletin of Experimental Biology and Medicine</i> , 2000 , 129, 124-127	0.8	3
43	Effect of α -tocopherol on response of the adrenals to cold stress. <i>Bulletin of Experimental Biology and Medicine</i> , 1985 , 99, 714-715	0.8	3
42	MEK1/2-ERK Pathway Alterations as a Therapeutic Target in Sporadic Alzheimer's Disease: A Study in Senescence-Accelerated OXYS Rats. <i>Antioxidants</i> , 2021 , 10,	7.1	3
41	Effect of SkQ1 eye drops on the rat lens metabolomic composition and the chaperone activity of β -crystallin. <i>Doklady Biochemistry and Biophysics</i> , 2015 , 464, 341-5	0.8	2
40	Single-Nucleotide Polymorphisms (SNPs) Both Associated with Hypertension and Contributing to Accelerated-Senescence Traits in OXYS Rats. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
39	Synthesis of a Disulfuram Inclusion Complex with Hydroxypropyl- β -Cyclodextrin and Its Effect on Cataract Development in Rats. <i>Pharmaceutical Chemistry Journal</i> , 2020 , 53, 1158-1163	0.9	2
38	The Effects of Cortixin on Free-Radical Oxidation and Inflammatory Processes in Rats with Normal and Accelerated Aging. <i>Neurochemical Journal</i> , 2018 , 12, 184-194	0.5	2
37	Mitochondrial Targeting of Antioxidants 2014 , 323-354		2
36	MS2 phage ribonucleoproteins as exogenous internal control for RT-qPCR data normalization in gene expression study of developing rat brain. <i>Biochemistry (Moscow)</i> , 2014 , 79, 706-16	2.9	2
35	The Morpho-Functional Characteristics of Cerebral and Renal Arteries After Induced Arterial Hypertension in Rats Using Magnetic Resonance Imaging. <i>Applied Magnetic Resonance</i> , 2017 , 48, 911-919	0.8	2
34	Analysis of mitochondrial DNA somatic mutations in OXYS and Wistar strain rats. <i>Biochemistry (Moscow)</i> , 2009 , 74, 430-7	2.9	2
33	Age-related changes in proteoglycan composition in rat brain. <i>Bulletin of Experimental Biology and Medicine</i> , 2008 , 146, 797-9	0.8	2
32	Time course of malonic dialdehyde and α -tocopherol in rat pancreas during the first hours of acute pancreatitis. <i>Bulletin of Experimental Biology and Medicine</i> , 2000 , 129, 452-4	0.8	2

31	The content of tocopherol and lipid peroxidation products in the tissues of rats with genetically determined hyperproduction of free oxygen radicals. <i>Bulletin of Experimental Biology and Medicine</i> , 1996 , 121, 259-261	0.8	2
30	Alterations of STEP46 and STEP61 Expression in the Rat Retina with Age and AMD-Like Retinopathy Development. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
29	Disulfiram inhibits cataract development in OXYS rats. <i>Advances in Gerontology</i> , 2016 , 6, 212-216	0.4	1
28	Nitronyl Nitroxides as a Spin Probe in EPR Tomography In Vivo. <i>Applied Magnetic Resonance</i> , 2014 , 45, 743-758	0.8	1
27	RatDNA: A database on microarray studies of rats bearing genes associated with age-related diseases. <i>Russian Journal of Genetics: Applied Research</i> , 2013 , 3, 163-170		1
26	Brain proteoglycans in postnatal development and during behavior decline in senescence-accelerated OXYS rats. <i>Advances in Gerontology</i> , 2012 , 2, 51-59	0.4	1
25	The features of development of osteoporosis in senescence-accelerated OXYS rats. <i>Advances in Gerontology</i> , 2011 , 1, 171-178	0.4	1
24	Osteoporosis as a manifestation of genetically determined syndrome of accelerated aging in OXYS rats. <i>Russian Journal of Genetics: Applied Research</i> , 2011 , 1, 198-203		1
23	Molecular mechanisms of cold-induced CYP1A activation in rat liver microsomes. <i>Journal of Physiology and Biochemistry</i> , 2011 , 67, 499-510	5	1
22	Destructive reactions of skeletal muscles in toxic metabolic injuries caused by bupivacaine in OXYS and Wistar rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2007 , 143, 650-5	0.8	1
21	Physicochemical properties of membranes and functional status of liver mitochondria in rats with an inherited capacity for increased radical formation. <i>Bulletin of Experimental Biology and Medicine</i> , 1995 , 119, 605-607	0.8	1
20	Membrane characteristics and functional activity of phagocytic alveolar macrophages. <i>Bulletin of Experimental Biology and Medicine</i> , 1989 , 107, 83-86	0.8	1
19	Role of lipid peroxidation in regulation of liver microsomal mono-oxygenase activity of homoiothermic animals exposed to cold. <i>Bulletin of Experimental Biology and Medicine</i> , 1983 , 95, 49-51	0.8	1
18	Role of photoperiodicity and the circadian rhythm of glucocorticoids in synchronization of free-radical oxidation fluctuations in rats. <i>Bulletin of Experimental Biology and Medicine</i> , 1983 , 96, 1310-1313	0.8	1
17	Reactions of lipid peroxidation in the liver and lungs of rats during long-term adaptation to cold. <i>Bulletin of Experimental Biology and Medicine</i> , 1981 , 91, 470-471	0.8	1
16	Effect of heparin on lipid peroxidation reaction of erythrocytes and their resistance. <i>Bulletin of Experimental Biology and Medicine</i> , 1976 , 82, 1359-1361	0.8	1
15	Changes in Glial Support of the Hippocampus during the Development of an Alzheimer's Disease-like Pathology and Their Correction by Mitochondria-Targeted Antioxidant SkQ1.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
14	Cognitive Training as a Potential Activator of Hippocampal Neurogenesis in the Rat Model of Sporadic Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1

13	Mitochondrial Antioxidant SkQ1 Improves Hypothermic Preservation of the Cornea. <i>Biochemistry (Moscow)</i> , 2021 , 86, 382-388	2.9	1
12	Changes in the transcriptome of the prefrontal cortex of OXYS rats as signs of the development of Alzheimer's disease. <i>Russian Journal of Genetics: Applied Research</i> , 2016 , 6, 437-447		1
11	Glia Not Neurons: Uncovering Brain Dysmaturation in a Rat Model of Alzheimer's Disease. <i>Biomedicines</i> , 2021 , 9,	4.8	1
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