

Nataliya G Kolosova

List of Publications by Year in descending order

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162
papers

3,931
citations

126901

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h-index

149686

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g-index

165
all docs

165
docs citations

165
times ranked

3804
citing authors

#	ARTICLE	IF	CITATIONS
1	(E)- β -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, 1227-1241.	6.6	397
2	An attempt to prevent senescence: A mitochondrial approach. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 437-461.	1.0	359
3	Mitochondrial-Targeted Plastoquinone Derivatives. Effect on Senescence and Acute Age-Related Pathologies. <i>Current Drug Targets</i> , 2011, 12, 800-826.	2.1	147
4	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, 1317-1328.	1.5	130
5	Long-term antioxidant supplementation attenuates oxidative stress markers and cognitive deficits in senescent-accelerated OXYS rats. <i>Neurobiology of Aging</i> , 2006, 27, 1289-1297.	3.1	93
6	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.	2.6	75
7	Behavioral Effects Induced by Mitochondria-Targeted Antioxidant SkQ1 in Wistar and Senescence-Accelerated OXYS Rats. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 479-491.	2.6	72
8	Prevention of Age-Related Macular Degeneration-like Retinopathy by Rapamycin in Rats. <i>American Journal of Pathology</i> , 2012, 181, 472-477.	3.8	71
9	Mitochondria-targeted antioxidant SkQ1 inhibits age-dependent involution of the thymus in normal and senescence-prone rats. <i>Aging</i> , 2009, 1, 389-401.	3.1	69
10	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, 103-116.	2.6	68
11	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> , 2013, 38, 681-694.	2.6	66
12	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, 163-177.	7.4	66
13	Rat retinal transcriptome: Effects of aging and AMD-like retinopathy. <i>Cell Cycle</i> , 2013, 12, 1745-1761.	2.6	62
14	Alterations of retinal pigment epithelium cause AMD-like retinopathy in senescence-accelerated OXYS rats. <i>Aging</i> , 2010, 3, 44-54.	3.1	61
15	Rapamycin suppresses brain aging in senescence-accelerated OXYS rats. <i>Aging</i> , 2013, 5, 474-484.	3.1	59
16	Amyloid accumulation is a late event in sporadic Alzheimer's disease-like pathology in nontransgenic rats. <i>Oncotarget</i> , 2015, 6, 1396-1413.	1.8	58
17	An antioxidant specifically targeting mitochondria delays progression of Alzheimer's disease-like pathology. <i>Aging</i> , 2016, 8, 2713-2733.	3.1	56
18	Changes in Retinal Glial Cells with Age and during Development of Age-Related Macular Degeneration. <i>Biochemistry (Moscow)</i> , 2018, 83, 1009-1017.	1.5	56

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19	Therapeutic Action of the Mitochondria-Targeted Antioxidant SkQ1 on Retinopathy in OXYS Rats Linked with Improvement of VEGF and PEDF Gene Expression. PLoS ONE, 2011, 6, e21682.	2.5	54
20	Beneficial effects of melatonin in a rat model of sporadic Alzheimer's disease. Biogerontology, 2015, 16, 303-316.	3.9	50
21	The mitochondria-targeted antioxidant SkQ1 but not N-acetylcysteine reverses aging-related biomarkers in rats. Aging, 2012, 4, 686-694.	3.1	47
22	Morphometric examination of mitochondrial ultrastructure in aging cardiomyocytes. Biochemistry (Moscow), 2015, 80, 604-609.	1.5	40
23	Impairment of Respiratory Functions in Mitochondria of Rats with an Inherited Hyperproduction of Free Radicals. Biochemical and Biophysical Research Communications, 1994, 205, 180-185.	2.1	39
24	Antioxidant SkQ1 delays sarcopenia-associated damage of mitochondrial ultrastructure. Aging, 2014, 6, 140-148.	3.1	39
25	¹⁹ F NMR measurements of NO production in hypertensive ISIAH and OXYS rats. Biochemical and Biophysical Research Communications, 2005, 330, 367-370.	2.1	37
26	Development of behavioural dysfunctions in accelerated-senescence OXYS rats is associated with early postnatal alterations in brain phosphate metabolism. Experimental Gerontology, 2006, 41, 141-150.	2.8	37
27	Contributions of age-related alterations of the retinal pigment epithelium and of glia to the AMD-like pathology in OXYS rats. Scientific Reports, 2017, 7, 41533.	3.3	37
28	Mitochondrial Dysfunction as a Predictor and Driver of Alzheimer's Disease-Like Pathology in OXYS Rats. Journal of Alzheimer's Disease, 2018, 63, 1075-1088.	2.6	37
29	Identification of functional networks associated with cell death in the retina of OXYS rats during the development of retinopathy. Cell Cycle, 2015, 14, 3544-3556.	2.6	35
30	The age-associated loss of ischemic preconditioning in the kidney is accompanied by mitochondrial dysfunction, increased protein acetylation and decreased autophagy. Scientific Reports, 2017, 7, 44430.	3.3	35
31	Antioxidant SkQ1 Alleviates Signs of Alzheimer's Disease-like Pathology in Old OXYS Rats by Reversing Mitochondrial Deterioration. Current Alzheimer Research, 2017, 14, 1283-1292.	1.4	35
32	Association of AMD-like retinopathy development with an Alzheimer's disease metabolic pathway in OXYS rats. Biogerontology, 2013, 14, 753-762.	3.9	34
33	Neuroprotective effects of ceftriaxone treatment on cognitive and neuronal deficits in a rat model of accelerated senescence. Behavioural Brain Research, 2017, 330, 8-16.	2.2	34
34	Association of cerebrovascular dysfunction with the development of Alzheimer's disease-like pathology in OXYS rats. BMC Genomics, 2018, 19, 75.	2.8	34
35	Clinical and Morphological Characteristics of Chorioretinal Degeneration in Early Aging OXYS Rats. Bulletin of Experimental Biology and Medicine, 2008, 146, 455-458.	0.8	32
36	Senescence-accelerated OXYS rats: A genetic model of premature aging and age-related diseases. Advances in Gerontology, 2014, 4, 294-298.	0.4	32

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37	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, 5632.	4.1	32
38	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, 624-632.	4.1	31
39	Immunohistochemical localization of NGF, BDNF, and their receptors in a normal and AMD-like rat retina. <i>BMC Medical Genomics</i> , 2019, 12, 48.	1.5	31
40	OXYS Rats as a Model of Senile Cataract. <i>Bulletin of Experimental Biology and Medicine</i> , 2003, 136, 415-419.	0.8	28
41	Involvement of the autophagic pathway in the progression of AMD-like retinopathy in senescence-accelerated OXYS rats. <i>Biogerontology</i> , 2018, 19, 223-235.	3.9	28
42	p62 /SQSTM1 coding plasmid prevents age related macular degeneration in a rat model. <i>Aging</i> , 2018, 10, 2136-2147.	3.1	27
43	Changes in physicochemical parameters and β -crystallin expression in the lens during cataract development in OXYS rats. <i>Biochemistry (Moscow)</i> , 2008, 73, 1176-1182.	1.5	26
44	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, 648-658.	1.5	26
45	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.	2.9	26
46	Molecular and cellular mechanisms of sporadic Alzheimer's disease: Studies on rodent models in vivo. <i>Biochemistry (Moscow)</i> , 2017, 82, 1088-1102.	1.5	26
47	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, 1-17.	4.0	26
48	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, 206-215.	3.6	25
49	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.	1.9	25
50	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.	3.6	25
51	The mitochondria-targeted antioxidant SkQ1 restores β -crystallin expression and protects against AMD-like retinopathy in OXYS rats. <i>Cell Cycle</i> , 2014, 13, 3499-3505.	2.6	24
52	Redox-sensitive mechanism of NO scavenging by nitronyl nitroxides. <i>Free Radical Biology and Medicine</i> , 2004, 36, 248-258.	2.9	23
53	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, 467-471.	0.8	23
54	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.	1.5	23

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55	Dynamics of structural and functional changes in hepatocyte mitochondria of senescence-accelerated OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2001, 132, 814-819.	0.8	22
56	Comparison of Antioxidants in the Ability to Prevent Cataract in Prematurely Aging OXYS Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2004, 137, 249-251.	0.8	21
57	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.	1.5	20
58	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, 746-748.	0.8	19
59	Deaminated UV filter 3-hydroxykynurenine O ² -d-glucoside is found in cataractous human lenses. <i>Experimental Eye Research</i> , 2008, 86, 951-956.	2.6	19
60	Lipofuscin granule dynamics during development of age-related macular degeneration. <i>Biochemistry (Moscow)</i> , 2010, 75, 130-138.	1.5	19
61	Suppression of AMD-Like Pathology by Mitochondria-Targeted Antioxidant SkQ1 Is Associated with a Decrease in the Accumulation of Amyloid β^2 and in mTOR Activity. <i>Antioxidants</i> , 2019, 8, 177.	5.1	19
62	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, 4804.	4.1	18
63	Alterations of hippocampal neurogenesis during development of Alzheimer's disease-like pathology in OXYS rats. <i>Experimental Gerontology</i> , 2019, 115, 32-45.	2.8	18
64	SkQ1 Suppresses the p38 MAPK Signaling Pathway Involved in Alzheimer's Disease-Like Pathology in OXYS Rats. <i>Antioxidants</i> , 2020, 9, 676.	5.1	18
65	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.	1.0	17
66	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, 72-75.	0.6	17
67	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, 739-743.	0.8	17
68	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, 1-9.	4.0	17
69	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	17
70	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, 593-596.	0.8	16
71	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, 1058.	5.1	16
72	Bone mineralization in senescence-accelerated OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2002, 133, 171-174.	0.8	15

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73	p38 MAPKâ€‘dependent alphaB-crystallin phosphorylation in Alzheimer's diseaseâ€‘like pathology in OXYS rats. <i>Experimental Gerontology</i> , 2019, 119, 45-52.	2.8	15
74	Quantitative trait loci on chromosome 1 for cataract and AMD-like retinopathy in senescence-accelerated OXYS rats. <i>Aging</i> , 2012, 4, 49-59.	3.1	15
75	Activity of Cell Immune Response and Open Field Behavior in Wistar and Oxys Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2003, 136, 377-379.	0.8	14
76	Effects of the mitochondria-targeted antioxidant SkQ1 on sexually motivated behavior in male rats. <i>Pharmacology Biochemistry and Behavior</i> , 2010, 96, 211-216.	2.9	14
77	Impact of changes in neurotrophic supplementation on development of Alzheimerâ€™s disease-like pathology in OXYS rats. <i>Biochemistry (Moscow)</i> , 2017, 82, 318-329.	1.5	14
78	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, 3542-3552.	2.4	13
79	Assessment of Nephroprotective Potential of Histochrome during Induced Arterial Hypertension. <i>Bulletin of Experimental Biology and Medicine</i> , 2015, 160, 223-227.	0.8	13
80	Features of Postnatal Hippocampal Development in a Rat Model of Sporadic Alzheimerâ€™s Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 533.	2.8	13
81	Opposite effects of antioxidants on anxiety in Wistar and OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 141, 734-737.	0.8	12
82	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.	2.7	12
83	Oxidation of guanine in liver and lung DNA of prematurely aging OXYS rats. <i>Biochemistry (Moscow)</i> , 2006, 71, 612-618.	1.5	11
84	Application of quantitative trait locus mapping and transcriptomics to studies of the senescence-accelerated phenotype in rats. <i>BMC Genomics</i> , 2014, 15, S3.	2.8	11
85	Single-Nucleotide Polymorphisms Associated with the Senescence-Accelerated Phenotype of OXYS Rats: A Focus on Alzheimerâ€™s Disease-Like and Age-Related-Macular-Degeneration-Like Pathologies. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1167-1183.	2.6	11
86	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.	1.1	11
87	Changes in Glial Support of the Hippocampus during the Development of an Alzheimerâ€™s Disease-like Pathology and Their Correction by Mitochondria-Targeted Antioxidant SkQ1. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1134.	4.1	11
88	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, 588-590.	0.8	10
89	The therapeutic effect of mitochondria-targeted antioxidant SkQ1 and <i>Cistanche deserticola</i> is associated with increased levels of tryptophan and kynurenine in the rat lens. <i>Doklady Biochemistry and Biophysics</i> , 2012, 447, 300-303.	0.9	10
90	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, 1-9.	1.3	10

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91	Tryptophan and kynurenine levels in lenses of Wistar and accelerated-senescence OXYS rats. <i>Molecular Vision</i> , 2009, 15, 2780-8.	1.1	10
92	Age-Specific Peculiarities of Formation of Long-Term Posttetanic Potentiation in OXYS Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2011, 151, 71-73.	0.8	9
93	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.	1.5	9
94	Ameliorative effects of SkQ1 eye drops on cataractogenesis in senescence-accelerated OXYS rats. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 237-248.	1.9	9
95	Phosphorylation of β -crystallin in the myocardium: Analysis of relations with aging and cardiomyopathy. <i>Experimental Gerontology</i> , 2017, 95, 26-33.	2.8	9
96	Stress Reactivity, Susceptibility to Hypertension, and Differential Expression of Genes in Hypertensive Compared to Normotensive Patients. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2835.	4.1	9
97	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, 345-347.	0.8	8
98	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.	2.0	8
99	Improving Bone Microarchitecture in Aging with Diosgenin Treatment: A Study in Senescence-Accelerated OXYS Rats. <i>Chinese Journal of Physiology</i> , 2015, 48, 1-10.	1.0	8
100	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, 271-273.	1.6	7
101	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.	1.2	7
102	Potential of melatonin for prevention of age-related macular degeneration: Experimental study. <i>Advances in Gerontology</i> , 2013, 3, 302-308.	0.4	7
103	Synthesis of a Disulfiram Inclusion Complex with Hydroxypropyl- β -Cyclodextrin and Its Effect on Cataract Development in Rats. <i>Pharmaceutical Chemistry Journal</i> , 2020, 53, 1158-1163.	0.8	7
104	Glia Not Neurons: Uncovering Brain Dysmaturation in a Rat Model of Alzheimer's Disease. <i>Biomedicines</i> , 2021, 9, 823.	3.2	7
105	Mitochondria-targeted antioxidant SkQ1 reduces age-related alterations in the ultrastructure of the lacrimal gland. <i>Oncotarget</i> , 2016, 7, 80208-80222.	1.8	7
106	Association between Polymorphisms in CFH, ARMS2, CFI, and C3 Genes and Response to Anti-VEGF Treatment in Neovascular Age-Related Macular Degeneration. <i>Biomedicines</i> , 2022, 10, 1658.	3.2	7
107	Increased Stress Reactivity as a Possible Factor of Early Degenerative Changes in OXYS Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2005, 139, 397-399.	0.8	6
108	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.	2.2	6

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109	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	5
110	Generation of reactive oxygen species by mitochondria in senescence-accelerated OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2002, 133, 175-177.	0.8	5
111	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, 237-239.	0.8	5
112	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	5
113	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, 3542.	4.1	5
114	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, 706-716.	1.5	4
115	Hemorheological parameters and their correlations in OXYS rats: A new model of hyperviscosity syndrome. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 60, 405-411.	1.7	4
116	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, 124-132.	2.1	4
117	Evolution of Alzheimer's disease pathogenesis conception. <i>Moscow University Biological Sciences Bulletin</i> , 2016, 71, 4-10.	0.7	4
118	Assessment of Combined Therapy of Histochrome and Nebivalol as Angioprotectors on the Background of Experimental Hypertension by Magnetic Resonance Angiography. <i>Applied Magnetic Resonance</i> , 2018, 49, 217-225.	1.2	4
119	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
120	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, 182-185.	0.8	3
121	Peculiarities of bone marrow hemopoiesis in early aging OXYS rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2007, 144, 86-88.	0.8	3
122	Analysis of mitochondrial DNA somatic mutations in OXYS and Wistar strain rats. <i>Biochemistry (Moscow)</i> , 2009, 74, 430-437.	1.5	3
123	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.	0.4	3
124	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, 341-345.	0.9	3
125	Metformin reduces the signs of sarcopenia in old OXYS rats. <i>Advances in Gerontology</i> , 2016, 6, 70-74.	0.4	3
126	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, 6986.	4.1	3

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127	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, 5182.	4.1	3
128	Features of Retinal Neurogenesis as a Key Factor of Age-Related Neurodegeneration: Myth or Reality?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7373.	4.1	3
129	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	2
130	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
131	Time course of malonic dialdehyde and $\hat{\alpha}$ -tocopherol in rat pancreas during the first hours of acute pancreatitis. <i>Bulletin of Experimental Biology and Medicine</i> , 2000, 129, 452-454.	0.8	2
132	Age-Related Changes in Proteoglycan Composition in Rat Brain. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 146, 797-799.	0.8	2
133	The features of development of osteoporosis in senescence-accelerated OXYS rats. <i>Advances in Gerontology</i> , 2011, 1, 171-178.	0.4	2
134	Molecular mechanisms of cold-induced CYP1A activation in rat liver microsomes. <i>Journal of Physiology and Biochemistry</i> , 2011, 67, 499-510.	3.0	2
135	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	2
136	Mitochondrial Targeting of Antioxidants. , 2014, , 323-354.		2
137	Brain neurotrophic supply in ontogenesis and during development of neurodegenerative diseases. <i>Moscow University Biological Sciences Bulletin</i> , 2016, 71, 245-255.	0.7	2
138	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.	1.2	2
139	Mitochondrial Antioxidant SkQ1 Improves Hypothermic Preservation of the Cornea. <i>Biochemistry (Moscow)</i> , 2021, 86, 382-388.	1.5	2
140	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
141	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
142	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
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