

Alexey A Moskalev

List of Publications by Citations

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Version: 2024-04-26

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129
papers

3,753
citations

32
h-index

58
g-index

153
ext. papers

4,828
ext. citations

5.4
avg, IF

5.55
L-index

#	Paper	IF	Citations
129	Transplantation of ACE2 Mesenchymal Stem Cells Improves the Outcome of Patients with COVID-19 Pneumonia 2020 , 11, 216-228		644
128	Mitochondrial dysfunction and oxidative stress in aging and cancer. <i>Oncotarget</i> , 2016 , 7, 44879-44905	3.3	231
127	The role of DNA damage and repair in aging through the prism of Koch-like criteria. <i>Ageing Research Reviews</i> , 2013 , 12, 661-84	12	225
126	Deep biomarkers of human aging: Application of deep neural networks to biomarker development. <i>Aging</i> , 2016 , 8, 1021-33	5.6	171
125	Genome analysis reveals insights into physiology and longevity of the Brandt's bat <i>Myotis brandtii</i> . <i>Nature Communications</i> , 2013 , 4, 2212	17.4	160
124	Genetics and epigenetics of aging and longevity. <i>Cell Cycle</i> , 2014 , 13, 1063-77	4.7	111
123	Gadd45 proteins: relevance to aging, longevity and age-related pathologies. <i>Ageing Research Reviews</i> , 2012 , 11, 51-66	12	99
122	Important molecular genetic markers of colorectal cancer. <i>Oncotarget</i> , 2016 , 7, 53959-53983	3.3	75
121	The DrugAge database of aging-related drugs. <i>Aging Cell</i> , 2017 , 16, 594-597	9.9	71
120	Geroprotectors.org: a new, structured and curated database of current therapeutic interventions in aging and age-related disease. <i>Aging</i> , 2015 , 7, 616-28	5.6	65
119	Enhanced longevity by ibuprofen, conserved in multiple species, occurs in yeast through inhibition of tryptophan import. <i>PLoS Genetics</i> , 2014 , 10, e1004860	6	64
118	Radiation hormesis and radioadaptive response in <i>Drosophila melanogaster</i> flies with different genetic backgrounds: the role of cellular stress-resistance mechanisms. <i>Biogerontology</i> , 2011 , 12, 253-63 ^{4.5}	4.5	63
117	Developing criteria for evaluation of geroprotectors as a key stage toward translation to the clinic. <i>Aging Cell</i> , 2016 , 15, 407-15	9.9	63
116	Artificial intelligence for aging and longevity research: Recent advances and perspectives. <i>Ageing Research Reviews</i> , 2019 , 49, 49-66	12	63
115	Towards natural mimetics of metformin and rapamycin. <i>Aging</i> , 2017 , 9, 2245-2268	5.6	57
114	The Digital Ageing Atlas: integrating the diversity of age-related changes into a unified resource. <i>Nucleic Acids Research</i> , 2015 , 43, D873-8	20.1	53
113	Pharmacological inhibition of phosphoinositide 3 and TOR kinases improves survival of <i>Drosophila melanogaster</i> . <i>Rejuvenation Research</i> , 2010 , 13, 246-7	2.6	52

112	Life span alteration after irradiation in <i>Drosophila melanogaster</i> strains with mutations of Hsf and Hsps. <i>Biogerontology</i> , 2009 , 10, 3-11	4.5	52
111	Signaling pathway activation drift during aging: Hutchinson-Gilford Progeria Syndrome fibroblasts are comparable to normal middle-age and old-age cells. <i>Aging</i> , 2015 , 7, 26-37	5.6	51
110	A comparison of the transcriptome of <i>Drosophila melanogaster</i> in response to entomopathogenic fungus, ionizing radiation, starvation and cold shock. <i>BMC Genomics</i> , 2015 , 16 Suppl 13, S8	4.5	48
109	Fucoxanthin increases lifespan of <i>Drosophila melanogaster</i> and <i>Caenorhabditis elegans</i> . <i>Pharmacological Research</i> , 2015 , 100, 228-41	10.2	47
108	Pharmacological inhibition of NF- κ B prolongs lifespan of <i>Drosophila melanogaster</i> . <i>Aging</i> , 2011 , 3, 391-4	5.6	46
107	Lifespan and Stress Resistance in <i>Drosophila</i> with Overexpressed DNA Repair Genes. <i>Scientific Reports</i> , 2015 , 5, 15299	4.9	45
106	Increase of <i>Drosophila melanogaster</i> lifespan due to D-GADD45 overexpression in the nervous system. <i>Biogerontology</i> , 2011 , 12, 211-26	4.5	45
105	Geroprotectors: A Unified Concept and Screening Approaches 2017 , 8, 354-363		43
104	In search for geroprotectors: in silico screening and in vitro validation of signalome-level mimetics of young healthy state. <i>Aging</i> , 2016 , 8, 2127-2152	5.6	43
103	Signaling pathway cloud regulation for in silico screening and ranking of the potential geroprotective drugs. <i>Frontiers in Genetics</i> , 2014 , 5, 49	4.5	39
102	Influence of non-steroidal anti-inflammatory drugs on <i>Drosophila melanogaster</i> longevity. <i>Oncotarget</i> , 2015 , 6, 19428-44	3.3	39
101	Radiation-induced life span alteration of <i>Drosophila</i> lines with genotype differences. <i>Biogerontology</i> , 2007 , 8, 499-504	4.5	38
100	Vive la radioristance!: converging research in radiobiology and biogerontology to enhance human radioresistance for deep space exploration and colonization. <i>Oncotarget</i> , 2018 , 9, 14692-14722	3.3	38
99	Differential expression of alternatively spliced transcripts related to energy metabolism in colorectal cancer. <i>BMC Genomics</i> , 2016 , 17, 1011	4.5	35
98	Effect of Low Doses (5-40 cGy) of Gamma-irradiation on Lifespan and Stress-related Genes Expression Profile in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2015 , 10, e0133840	3.7	35
97	The role of D-GADD45 in oxidative, thermal and genotoxic stress resistance. <i>Cell Cycle</i> , 2012 , 11, 4222-41	4.7	32
96	Selective anticancer agents suppress aging in <i>Drosophila</i> . <i>Oncotarget</i> , 2013 , 4, 1507-26	3.3	30
95	Geroprotective and Radioprotective Activity of Quercetin, (-)-Epicatechin, and Ibuprofen in. <i>Frontiers in Pharmacology</i> , 2016 , 7, 505	5.6	30

94	Molecular markers of paragangliomas/pheochromocytomas. <i>Oncotarget</i> , 2017 , 8, 25756-25782	3.3	26
93	Effect of lentivirus-mediated shRNA inactivation of HK1, HK2, and HK3 genes in colorectal cancer and melanoma cells. <i>BMC Genetics</i> , 2016 , 17, 156	2.6	26
92	The conundrum of human immune system "senescence". <i>Mechanisms of Ageing and Development</i> , 2020 , 192, 111357	5.6	25
91	Basic mechanisms of longevity: A case study of Drosophila pro-longevity genes. <i>Ageing Research Reviews</i> , 2015 , 24, 218-31	12	23
90	Effects of N-acetyl-L-cysteine on lifespan, locomotor activity and stress-resistance of 3 species with different lifespans. <i>Aging</i> , 2018 , 10, 2428-2458	5.6	22
89	Terpenoids as Potential Geroprotectors. <i>Antioxidants</i> , 2020 , 9,	7.1	21
88	Mining gene expression data for pollutants (dioxin, toluene, formaldehyde) and low dose of gamma-irradiation. <i>PLoS ONE</i> , 2014 , 9, e86051	3.7	20
87	Comparative transcriptomics across 14 Drosophila species reveals signatures of longevity. <i>Aging Cell</i> , 2018 , 17, e12740	9.9	19
86	Potential therapeutic approaches for modulating expression and accumulation of defective lamin A in laminopathies and age-related diseases. <i>Journal of Molecular Medicine</i> , 2012 , 90, 1361-89	5.5	19
85	A review of the biomedical innovations for healthy longevity. <i>Aging</i> , 2017 , 9, 7-25	5.6	18
84	Transcriptome analysis reveals mechanisms of geroprotective effects of fucoxanthin in Drosophila. <i>BMC Genomics</i> , 2018 , 19, 77	4.5	18
83	Exome analysis of carotid body tumor. <i>BMC Medical Genomics</i> , 2018 , 11, 17	3.7	18
82	Transcriptome Analysis of Long-lived Drosophila melanogaster E(z) Mutants Sheds Light on the Molecular Mechanisms of Longevity. <i>Scientific Reports</i> , 2019 , 9, 9151	4.9	18
81	Aging and drug discovery. <i>Aging</i> , 2018 , 10, 3079-3088	5.6	16
80	Gray whale transcriptome reveals longevity adaptations associated with DNA repair and ubiquitination. <i>Aging Cell</i> , 2020 , 19, e13158	9.9	15
79	The effects of pectins on life span and stress resistance in Drosophila melanogaster. <i>Biogerontology</i> , 2014 , 15, 113-27	4.5	15
78	Stochastic non-enzymatic modification of long-lived macromolecules - A missing hallmark of aging. <i>Ageing Research Reviews</i> , 2020 , 62, 101097	12	14
77	The influence of pro-longevity gene Gclc overexpression on the age-dependent changes in Drosophila transcriptome and biological functions. <i>BMC Genomics</i> , 2016 , 17, 1046	4.5	14

76	Overexpression of and genes affects lifespan, stress resistance and locomotor activity in. <i>Aging</i> , 2018 , 10, 3260-3272	5.6	14
75	Protective effects of carotenoid fucoxanthin in fibroblasts cellular senescence. <i>Mechanisms of Ageing and Development</i> , 2020 , 189, 111260	5.6	13
74	Multi-omics approaches to human biological age estimation. <i>Mechanisms of Ageing and Development</i> , 2020 , 185, 111192	5.6	13
73	Genome-Protecting Compounds as Potential Geroprotectors. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
72	Histone H2AX Is Involved in FoxO3a-Mediated Transcriptional Responses to Ionizing Radiation to Maintain Genome Stability. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 29996-30014	6.3	12
71	ARDD 2020: from aging mechanisms to interventions. <i>Aging</i> , 2020 , 12, 24484-24503	5.6	11
70	Targeting metabolic pathways for extension of lifespan and healthspan across multiple species. <i>Ageing Research Reviews</i> , 2020 , 64, 101188	12	11
69	Hydrogen sulfide in longevity and pathologies: Inconsistency is malodorous. <i>Ageing Research Reviews</i> , 2021 , 67, 101262	12	11
68	The Evaluation of Geroprotective Effects of Selected Flavonoids in and. <i>Frontiers in Pharmacology</i> , 2017 , 8, 884	5.6	10
67	The challenges of estimating biological age. <i>ELife</i> , 2020 , 9,	8.9	10
66	Mesenchymal stem cell treatment improves outcome of COVID-19 patients via multiple immunomodulatory mechanisms. <i>Cell Research</i> , 2021 , 31, 1244-1262	24.7	10
65	De novo assembling and primary analysis of genome and transcriptome of gray whale <i>Eschrichtius robustus</i> . <i>BMC Evolutionary Biology</i> , 2017 , 17, 258	3	9
64	Markers of arterial health could serve as accurate non-invasive predictors of human biological and chronological age. <i>Aging</i> , 2017 , 9, 1280-1292	5.6	9
63	Beta-amyloid induces apoptosis of neuronal cells by inhibition of the Arg/N-end rule pathway proteolytic activity. <i>Aging</i> , 2019 , 11, 6134-6152	5.6	9
62	The CIMP-high phenotype is associated with energy metabolism alterations in colon adenocarcinoma. <i>BMC Medical Genetics</i> , 2019 , 20, 52	2.1	8
61	Age dynamics of DNA damage and CpG methylation in the peripheral blood leukocytes of mice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015 , 775, 38-42	3.3	8
60	Genetic control of circadian rhythms and aging. <i>Russian Journal of Genetics</i> , 2016 , 52, 343-361	0.6	8
59	Aging Chart: a community resource for rapid exploratory pathway analysis of age-related processes. <i>Nucleic Acids Research</i> , 2016 , 44, D894-9	20.1	8

58	Circadian clock genes' overexpression in <i>Drosophila</i> alters diet impact on lifespan. <i>Biogerontology</i> , 2019 , 20, 159-170	4.5	8
57	Black chokeberry (<i>Aronia melanocarpa</i>) extracts in terms of geroprotector criteria. <i>Trends in Food Science and Technology</i> , 2021 , 114, 570-584	15.3	8
56	<i>Drosophila</i> nervous system as a target of aging and anti-aging interventions. <i>Frontiers in Genetics</i> , 2015 , 6, 89	4.5	7
55	Gadd45 expression correlates with age dependent neurodegeneration in <i>Drosophila melanogaster</i> . <i>Biogerontology</i> , 2015 , 16, 53-61	4.5	7
54	Spontaneous H2AX foci in human dermal fibroblasts in relation to proliferation activity and aging. <i>Aging</i> , 2019 , 11, 4536-4546	5.6	7
53	Neuron-specific overexpression of core clock genes improves stress-resistance and extends lifespan of <i>Drosophila melanogaster</i> . <i>Experimental Gerontology</i> , 2019 , 117, 61-71	4.5	7
52	The role of DNA repair genes in radiation-induced adaptive response in <i>Drosophila melanogaster</i> is differential and conditional. <i>Biogerontology</i> , 2020 , 21, 45-56	4.5	7
51	<i>Drosophila melanogaster</i> as a Model for Studying the Epigenetic Basis of Aging 2018 , 293-307		6
50	Radioprotectors.org: an open database of known and predicted radioprotectors. <i>Aging</i> , 2020 , 12, 15741-15756	4.5	6
49	Latest advances in aging research and drug discovery. <i>Aging</i> , 2019 , 11, 9971-9981	5.6	6
48	Pickering emulsions stabilized by partially acetylated cellulose nanocrystals for oral administration: oils effect and in vivo toxicity. <i>Cellulose</i> , 2021 , 28, 2365-2385	5.5	6
47	The Neuronal Overexpression of in Induces Life Extension With Longevity-Associated Transcriptomic Changes in the Thorax. <i>Frontiers in Genetics</i> , 2019 , 10, 149	4.5	5
46	Exhaustive data mining comparison of the effects of low doses of ionizing radiation, formaldehyde and dioxins. <i>BMC Genomics</i> , 2014 , 15 Suppl 12, S5	4.5	5
45	Genetics of aging and longevity. <i>Russian Journal of Genetics: Applied Research</i> , 2017 , 7, 369-384		5
44	The genetic mechanisms of the influence of the light regime on the lifespan of <i>Drosophila melanogaster</i> . <i>Frontiers in Genetics</i> , 2012 , 3, 325	4.5	5
43	Effects of <i>Abies sibirica</i> terpenes on cancer- and aging-associated pathways in human cells. <i>Oncotarget</i> , 2016 , 7, 83744-83754	3.3	5
42	Key Molecular Mechanisms of Aging, Biomarkers, and Potential Interventions. <i>Molecular Biology</i> , 2020 , 54, 777-811	1.2	5
41	Deletions of the cystathionine- β -synthase (CBS) and cystathionine- γ -lyase (CSE) genes, involved in the control of hydrogen sulfide biosynthesis, significantly affect lifespan and fitness components of <i>Drosophila melanogaster</i> .. <i>Mechanisms of Ageing and Development</i> , 2022 , 111656	5.6	5

40	The Effects of Cloudberry Fruit Extract on <i>Drosophila melanogaster</i> Lifespan and Stress Resistance. <i>Advances in Gerontology</i> , 2019 , 9, 254-260	0.4	4
39	Geroprotective effects of activation of D-GADD45 DNA reparation gene in <i>Drosophila melanogaster</i> nervous system. <i>Bulletin of Experimental Biology and Medicine</i> , 2012 , 152, 340-3	0.8	4
38	From theories of aging to anti-aging interventions. <i>Frontiers in Genetics</i> , 2014 , 5, 276	4.5	4
37	Evolutionary ideas on the nature of aging. <i>Advances in Gerontology</i> , 2011 , 1, 112-121	0.4	4
36	Effect of low-dose irradiation on the lifespan in various strains of <i>Drosophila melanogaster</i> . <i>Russian Journal of Genetics</i> , 2006 , 42, 628-635	0.6	4
35	Studying the geroprotective effects of inhibitors suppressing aging -associated signaling cascades in model organisms. <i>Medical News of North Caucasus</i> , 2017 , 12,	1.8	4
34	Longevity medicine: upskilling the physicians of tomorrow. <i>The Lancet Healthy Longevity</i> , 2021 , 2, e187-e188	4.8	4
33	Geroprotective potential of genetic and pharmacological interventions to endogenous hydrogen sulfide synthesis in <i>Drosophila melanogaster</i> . <i>Biogerontology</i> , 2021 , 22, 197-214	4.5	4
32	Evaluation of the geroprotective effects of withaferin A in. <i>Aging</i> , 2021 , 13, 1817-1841	5.6	3
31	Effects of unpaired 1 gene overexpression on the lifespan of <i>Drosophila melanogaster</i> . <i>BMC Systems Biology</i> , 2019 , 13, 16	3.5	2
30	Gadd45 Proteins in Aging and Longevity of Mammals and <i>Drosophila</i> . <i>Healthy Ageing and Longevity</i> , 2015 , 39-65	0.5	2
29	The critical impacts of small RNA biogenesis proteins on aging, longevity and age-related diseases. <i>Ageing Research Reviews</i> , 2020 , 62, 101087	12	2
28	Radiation-Induced Changes in the Life Span of Laboratory <i>Drosophila melanogaster</i> Strains. <i>Russian Journal of Genetics</i> , 2001 , 37, 1094-1095	0.6	2
27	An Overview of the Molecular and Cellular Biomarkers of Aging. <i>Healthy Ageing and Longevity</i> , 2019 , 67-78	0.5	2
26	Amyloid- β peptides slightly affect lifespan or antimicrobial peptide gene expression in <i>Drosophila melanogaster</i> . <i>BMC Genetics</i> , 2020 , 21, 65	2.6	2
25	De Novo Transcriptome Profiling of Brain Tissue from the Annual Killifish. <i>Life</i> , 2021 , 11,	3	2
24	Extracellular GAPDH Promotes Alzheimer Disease Progression by Enhancing Amyloid- β Aggregation and Cytotoxicity 2021 , 12, 1223-1237		2
23	Molecular mechanisms of exceptional lifespan increase of <i>Drosophila melanogaster</i> with different genotypes after combinations of pro-longevity interventions. <i>Communications Biology</i> , 2022 , 5,	6.7	2

22	The Resistance of to Oxidative, Genotoxic, Proteotoxic, Osmotic Stress, Infection, and Starvation Depends on Age According to the Stress Factor. <i>Antioxidants</i> , 2020 , 9,	7.1	1
21	Role of tumor suppressor genes in aging and longevity mechanisms in <i>Drosophila melanogaster</i> . <i>Russian Journal of Genetics: Applied Research</i> , 2014 , 4, 8-14		1
20	Effect of illumination regime on life span in <i>Drosophila melanogaster</i> . <i>Russian Journal of Ecology</i> , 2009 , 40, 206-212	0.7	1
19	Chronic gamma-irradiation effect on <i>Drosophila melanogaster</i> lifespan in generations of wild-type isogenic and heterogenic strains. <i>International Journal of Low Radiation</i> , 2007 , 4, 169	1	1
18	Honeysuckle extract (<i>Lonicera pallasii</i> L.) exerts antioxidant properties and extends the lifespan and healthspan of <i>Drosophila melanogaster</i> .. <i>Biogerontology</i> , 2022 , 1	4.5	1
17	Genetic mechanisms of the influence of light and phototransduction on <i>Drosophila melanogaster</i> lifespan. <i>Vavilovskii Zhurnal Genetiki I Seleksii</i> , 2018 , 22, 878-886	0.9	1
16	Antiaging Effects of Root Extract on and Doxorubicin-Induced Premature Aging in Adult Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 9942090	6.7	1
15	Anti-aging effects of chlorpropamide depend on mitochondrial complex-II and the production of mitochondrial reactive oxygen species.. <i>Acta Pharmaceutica Sinica B</i> , 2022 , 12, 665-677	15.5	1
14	The Effect of Meclofenoxate on the Transcriptome of Aging Brain of Annual Killifish.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
13	Genetic mechanisms of aging in plants: What can we learn from them?. <i>Ageing Research Reviews</i> , 2022 , 101601	12	1
12	Is Aging a Disease? A Geneticist's Point of View. <i>Advances in Gerontology</i> , 2018 , 8, 125-126	0.4	0
11	Nutritional Regulation of Aging and Longevity. <i>Healthy Ageing and Longevity</i> , 2021 , 439-464	0.5	0
10	Geroprotective effects of <i>Borbaronia mitschurinii</i> fruit extract on <i>Drosophila melanogaster</i> . <i>Journal of Berry Research</i> , 2021 , 1-19	2	0
9	Association of , and Genes Polymorphisms With the Calcium Urolithiasis Development in Russian Population. <i>Frontiers in Genetics</i> , 2021 , 12, 621049	4.5	0
8	Influence of preparations containing phytoecdysteroids and plant steroid glycosides on the life span and stress resistance of <i>Drosophila melanogaster</i> . <i>Russian Journal of Genetics: Applied Research</i> , 2016 , 6, 215-224		0
7	Chronobiotics KL001 and KS15 Extend Lifespan and Modify Circadian Rhythms of. <i>Clocks & Sleep</i> , 2021 , 3, 429-441	2.9	0
6	Modern Approaches to Diagnostics and Correction of Aging Biomarkers. <i>Bulletin of Restorative Medicine</i> , 2021 , 20, 96-102	1	0
5	The analysis of the survivorship curves in <i>Drosophila melanogaster</i> with D-GADD45 overexpression. <i>Russian Journal of Genetics: Applied Research</i> , 2014 , 4, 15-18		

- 4 Role of FOXO transcription factor in radiation adaptive response and hormesis in *Drosophila melanogaster*. *Biophysics (Russian Federation)*, **2010**, 55, 854-858 0.7
- 3 Different approaches to research into the aging process and their implementation in the framework of the Science against aging complex interdisciplinary program. *Russian Journal of General Chemistry*, **2010**, 80, 1389-1394 0.7
- 2 Role of stem cell niche in body aging processes. *Russian Journal of General Chemistry*, **2010**, 80, 1476-1481.7
- 1 Age Dynamics of Adult Fly Activity in *Drosophila* Strains with Apoptosis Deregulation after Larval Exposure to Chronic Irradiation. *Russian Journal of Genetics*, **2004**, 40, 212-215 0.6