Alexey A Moskalev

List of Publications by Year in Descending Order

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	Honeysuckle extract (Lonicera pallasii L.) exerts antioxidant properties and extends the lifespan and healthspan of Drosophila melanogaster.. *Biogerontology*, **2022**, 1	4.5	1
128	Anti-aging effects of chlorpropamide depend on mitochondrial complex-II and the production of mitochondrial reactive oxygen species.. *Acta Pharmaceutica Sinica B*, **2022**, 12, 665-677	15.5	1
127	The Effect of Meclofenoxate on the Transcriptome of Aging Brain of Annual Killifish.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
126	Deletions of the cystathionine-□synthase (CBS) and cystathionine-□lyase (CSE) genes, involved in the control of hydrogen sulfide biosynthesis, significantly affect lifespan and fitness components of Drosophila melanogaster.. *Mechanisms of Ageing and Development*, **2022**, 111656	5.6	5
125	Genetic mechanisms of aging in plants: What can we learn from them?. *Ageing Research Reviews*, **2022**, 101601	12	1
124	Molecular mechanisms of exceptional lifespan increase of Drosophila melanogaster with different genotypes after combinations of pro-longevity interventions. *Communications Biology*, **2022**, 5,	6.7	2
123	Nutritional Regulation of Aging and Longevity. *Healthy Ageing and Longevity*, **2021**, 439-464	0.5	0
122	Mesenchymal stem cell treatment improves outcome of COVID-19 patients via multiple immunomodulatory mechanisms. *Cell Research*, **2021**, 31, 1244-1262	24.7	10
121	Geroprotective effects of □orbaronia mitschurinii fruit extract on Drosophila melanogaster. *Journal of Berry Research*, **2021**, 1-19	2	0
120	Longevity medicine: upskilling the physicians of tomorrow. *The Lancet Healthy Longevity*, **2021**, 2, e187-e188	9.3	4
119	Hydrogen sulfide in longevity and pathologies: Inconsistency is malodorous. *Ageing Research Reviews*, **2021**, 67, 101262	12	11
118	Association of , and Genes Polymorphisms With the Calcium Urolithiasis Development in Russian Population. *Frontiers in Genetics*, **2021**, 12, 621049	4.5	0
117	Evaluation of the geroprotective effects of withaferin A in. *Aging*, **2021**, 13, 1817-1841	5.6	3
116	Pickering emulsions stabilized by partially acetylated cellulose nanocrystals for oral administration: oils effect and in vivo toxicity. *Cellulose*, **2021**, 28, 2365-2385	5.5	6
115	Geroprotective potential of genetic and pharmacological interventions to endogenous hydrogen sulfide synthesis in Drosophila melanogaster. *Biogerontology*, **2021**, 22, 197-214	4.5	4
114	De Novo Transcriptome Profiling of Brain Tissue from the Annual Killifish. *Life*, **2021**, 11,	3	2
113	Antiaging Effects of Root Extract on and Doxorubicin-Induced Premature Aging in Adult Mice. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 9942090	6.7	1

112	Black chokeberry (Aronia melanocarpa) extracts in terms of geroprotector criteria. *Trends in Food Science and Technology*, **2021**, 114, 570-584	15.3	8
111	Chronobiotics KL001 and KS15 Extend Lifespan and Modify Circadian Rhythms of. *Clocks & Sleep*, **2021**, 3, 429-441	2.9	0
110	Extracellular GAPDH Promotes Alzheimer Disease Progression by Enhancing Amyloid-β Aggregation and Cytotoxicity **2021**, 12, 1223-1237		2
109	Modern Approaches to Diagnostics and Correction of Aging Biomarkers. *Bulletin of Restorative Medicine*, **2021**, 20, 96-102	1	0
108	The Resistance of to Oxidative, Genotoxic, Proteotoxic, Osmotic Stress, Infection, and Starvation Depends on Age According to the Stress Factor. *Antioxidants*, **2020**, 9,	7.1	1
107	The critical impacts of small RNA biogenesis proteins on aging, longevity and age-related diseases. *Ageing Research Reviews*, **2020**, 62, 101087	12	2
106	Gray whale transcriptome reveals longevity adaptations associated with DNA repair and ubiquitination. *Aging Cell*, **2020**, 19, e13158	9.9	15
105	Stochastic non-enzymatic modification of long-lived macromolecules - A missing hallmark of aging. *Ageing Research Reviews*, **2020**, 62, 101097	12	14
104	Terpenoids as Potential Geroprotectors. *Antioxidants*, **2020**, 9,	7.1	21
103	Transplantation of ACE2 Mesenchymal Stem Cells Improves the Outcome of Patients with COVID-19 Pneumonia **2020**, 11, 216-228		644
102	Genome-Protecting Compounds as Potential Geroprotectors. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	12
101	ARDD 2020: from aging mechanisms to interventions. *Aging*, **2020**, 12, 24484-24503	5.6	11
100	Key Molecular Mechanisms of Aging, Biomarkers, and Potential Interventions. *Molecular Biology*, **2020**, 54, 777-811	1.2	5
99	The challenges of estimating biological age. *ELife*, **2020**, 9,	8.9	10
98	Radioprotectors.org: an open database of known and predicted radioprotectors. *Aging*, **2020**, 12, 15741-15756	5.6	7
97	Protective effects of carotenoid fucoxanthin in fibroblasts cellular senescence. *Mechanisms of Ageing and Development*, **2020**, 189, 111260	5.6	13
96	Multi-omics approaches to human biological age estimation. *Mechanisms of Ageing and Development*, **2020**, 185, 111192	5.6	13
95	The conundrum of human immune system "senescence". *Mechanisms of Ageing and Development*, **2020**, 192, 111357	5.6	25

94	Amyloid-□peptides slightly affect lifespan or antimicrobial peptide gene expression in Drosophila melanogaster. *BMC Genetics*, **2020**, 21, 65	2.6	2
93	Targeting metabolic pathways for extension of lifespan and healthspan across multiple species. *Ageing Research Reviews*, **2020**, 64, 101188	12	11
92	The role of DNA repair genes in radiation-induced adaptive response in Drosophila melanogaster is differential and conditional. *Biogerontology*, **2020**, 21, 45-56	4.5	7
91	The Neuronal Overexpression of in Induces Life Extension With Longevity-Associated Transcriptomic Changes in the Thorax. *Frontiers in Genetics*, **2019**, 10, 149	4.5	5
90	Effects of unpaired 1 gene overexpression on the lifespan of Drosophila melanogaster. *BMC Systems Biology*, **2019**, 13, 16	3.5	2
89	The CIMP-high phenotype is associated with energy metabolism alterations in colon adenocarcinoma. *BMC Medical Genetics*, **2019**, 20, 52	2.1	8
88	The Effects of Cloudberry Fruit Extract on Drosophila melanogaster Lifespan and Stress Resistance. *Advances in Gerontology*, **2019**, 9, 254-260	0.4	4
87	Transcriptome Analysis of Long-lived Drosophila melanogaster E(z) Mutants Sheds Light on the Molecular Mechanisms of Longevity. *Scientific Reports*, **2019**, 9, 9151	4.9	18
86	Spontaneous □H2AX foci in human dermal fibroblasts in relation to proliferation activity and aging. *Aging*, **2019**, 11, 4536-4546	5.6	7
85	Beta-amyloid induces apoptosis of neuronal cells by inhibition of the Arg/N-end rule pathway proteolytic activity. *Aging*, **2019**, 11, 6134-6152	5.6	9
84	An Overview of the Molecular and Cellular Biomarkers of Aging. *Healthy Ageing and Longevity*, **2019**, 67-78	0.5	2
83	Latest advances in aging research and drug discovery. *Aging*, **2019**, 11, 9971-9981	5.6	6
82	Neuron-specific overexpression of core clock genes improves stress-resistance and extends lifespan of Drosophila melanogaster. *Experimental Gerontology*, **2019**, 117, 61-71	4.5	7
81	Artificial intelligence for aging and longevity research: Recent advances and perspectives. *Ageing Research Reviews*, **2019**, 49, 49-66	12	63
80	Circadian clock genes' overexpression in Drosophila alters diet impact on lifespan. *Biogerontology*, **2019**, 20, 159-170	4.5	8
79	Comparative transcriptomics across 14 Drosophila species reveals signatures of longevity. *Aging Cell*, **2018**, 17, e12740	9.9	19
78	Drosophila melanogaster as a Model for Studying the Epigenetic Basis of Aging **2018**, 293-307		6
77	Transcriptome analysis reveals mechanisms of geroprotective effects of fucoxanthin in Drosophila. *BMC Genomics*, **2018**, 19, 77	4.5	18

76	Exome analysis of carotid body tumor. *BMC Medical Genomics*, **2018**, 11, 17	3.7	18
75	Is Aging a Disease? A Geneticist Point of View. *Advances in Gerontology*, **2018**, 8, 125-126	0.4	0
74	Effects of N-acetyl-L-cysteine on lifespan, locomotor activity and stress-resistance of 3 species with different lifespans. *Aging*, **2018**, 10, 2428-2458	5.6	22
73	Overexpression of and genes affects lifespan, stress resistance and locomotor activity in. *Aging*, **2018**, 10, 3260-3272	5.6	14
72	Genetic mechanisms of the influence of light and phototransduction on Drosophila melanogaster lifespan. *Vavilovskii Zhurnal Genetiki I Selektsii*, **2018**, 22, 878-886	0.9	1
71	Aging and drug discovery. *Aging*, **2018**, 10, 3079-3088	5.6	16
70	Vive la radior istance!: converging research in radiobiology and biogerontology to enhance human radioresistance for deep space exploration and colonization. *Oncotarget*, **2018**, 9, 14692-14722	3.3	38
69	The DrugAge database of aging-related drugs. *Aging Cell*, **2017**, 16, 594-597	9.9	71
68	Geroprotectors: A Unified Concept and Screening Approaches **2017**, 8, 354-363		43
67	A review of the biomedical innovations for healthy longevity. *Aging*, **2017**, 9, 7-25	5.6	18
66	Genetics of aging and longevity. *Russian Journal of Genetics: Applied Research*, **2017**, 7, 369-384		5
65	De novo assembling and primary analysis of genome and transcriptome of gray whale Eschrichtius robustus. *BMC Evolutionary Biology*, **2017**, 17, 258	3	9
64	The Evaluation of Geroprotective Effects of Selected Flavonoids in and. *Frontiers in Pharmacology*, **2017**, 8, 884	5.6	10
63	Towards natural mimetics of metformin and rapamycin. *Aging*, **2017**, 9, 2245-2268	5.6	57
62	Markers of arterial health could serve as accurate non-invasive predictors of human biological and chronological age. *Aging*, **2017**, 9, 1280-1292	5.6	9
61	Molecular markers of paragangliomas/pheochromocytomas. *Oncotarget*, **2017**, 8, 25756-25782	3.3	26
60	Studying the geroprotective effects of inhibitors suppressing aging -associated signaling cascades in model organisms. *Medical News of North Caucasus*, **2017**, 12,	1.8	4
59	Differential expression of alternatively spliced transcripts related to energy metabolism in colorectal cancer. *BMC Genomics*, **2016**, 17, 1011	4.5	35

58	The influence of pro-longevity gene Gclc overexpression on the age-dependent changes in Drosophila transcriptome and biological functions. *BMC Genomics*, **2016**, 17, 1046	4.5	14
57	Genetic control of circadian rhythms and aging. *Russian Journal of Genetics*, **2016**, 52, 343-361	0.6	8
56	Aging Chart: a community resource for rapid exploratory pathway analysis of age-related processes. *Nucleic Acids Research*, **2016**, 44, D894-9	20.1	8
55	In search for geroprotectors: in silico screening and in vitro validation of signalome-level mimetics of young healthy state. *Aging*, **2016**, 8, 2127-2152	5.6	43
54	Effects of Abies sibirica terpenes on cancer- and aging-associated pathways in human cells. *Oncotarget*, **2016**, 7, 83744-83754	3.3	5
53	Important molecular genetic markers of colorectal cancer. *Oncotarget*, **2016**, 7, 53959-53983	3.3	75
52	Deep biomarkers of human aging: Application of deep neural networks to biomarker development. *Aging*, **2016**, 8, 1021-33	5.6	171
51	Geroprotective and Radioprotective Activity of Quercetin, (-)-Epicatechin, and Ibuprofen in. *Frontiers in Pharmacology*, **2016**, 7, 505	5.6	30
50	Mitochondrial dysfunction and oxidative stress in aging and cancer. *Oncotarget*, **2016**, 7, 44879-44905	3.3	231
49	Effect of lentivirus-mediated shRNA inactivation of HK1, HK2, and HK3 genes in colorectal cancer and melanoma cells. *BMC Genetics*, **2016**, 17, 156	2.6	26
48	Influence of preparations containing phytoecdysteroids and plant steroid glycosides on the life span and stress resistance of Drosophila melanogaster. *Russian Journal of Genetics: Applied Research*, **2016**, 6, 215-224		0
47	Developing criteria for evaluation of geroprotectors as a key stage toward translation to the clinic. *Aging Cell*, **2016**, 15, 407-15	9.9	63
46	Drosophila nervous system as a target of aging and anti-aging interventions. *Frontiers in Genetics*, **2015**, 6, 89	4.5	7
45	Age dynamics of DNA damage and CpG methylation in the peripheral blood leukocytes of mice. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2015**, 775, 38-42	3.3	8
44	The Digital Ageing Atlas: integrating the diversity of age-related changes into a unified resource. *Nucleic Acids Research*, **2015**, 43, D873-8	20.1	53
43	Fucoxanthin increases lifespan of Drosophila melanogaster and Caenorhabditis elegans. *Pharmacological Research*, **2015**, 100, 228-41	10.2	47
42	Basic mechanisms of longevity: A case study of Drosophila pro-longevity genes. *Ageing Research Reviews*, **2015**, 24, 218-31	12	23
41	Gadd45 Proteins in Aging and Longevity of Mammals and Drosophila. *Healthy Ageing and Longevity*, **2015**, 39-65	0.5	2

40	Gadd45 expression correlates with age dependent neurodegeneration in Drosophila melanogaster. *Biogerontology*, **2015**, 16, 53-61	4.5	7
39	Lifespan and Stress Resistance in Drosophila with Overexpressed DNA Repair Genes. *Scientific Reports*, **2015**, 5, 15299	4.9	45
38	A comparison of the transcriptome of Drosophila melanogaster in response to entomopathogenic fungus, ionizing radiation, starvation and cold shock. *BMC Genomics*, **2015**, 16 Suppl 13, S8	4.5	48
37	Histone H2AX Is Involved in FoxO3a-Mediated Transcriptional Responses to Ionizing Radiation to Maintain Genome Stability. *International Journal of Molecular Sciences*, **2015**, 16, 29996-30014	6.3	12
36	Effect of Low Doses (5-40 cGy) of Gamma-irradiation on Lifespan and Stress-related Genes Expression Profile in Drosophila melanogaster. *PLoS ONE*, **2015**, 10, e0133840	3.7	35
35	Influence of non-steroidal anti-inflammatory drugs on Drosophila melanogaster longevity. *Oncotarget*, **2015**, 6, 19428-44	3.3	39
34	Signaling pathway activation drift during aging: Hutchinson-Gilford Progeria Syndrome fibroblasts are comparable to normal middle-age and old-age cells. *Aging*, **2015**, 7, 26-37	5.6	51
33	Geroprotectors.org: a new, structured and curated database of current therapeutic interventions in aging and age-related disease. *Aging*, **2015**, 7, 616-28	5.6	65
32	Role of tumor suppressor genes in aging and longevity mechanisms in Drosophila melanogaster. *Russian Journal of Genetics: Applied Research*, **2014**, 4, 8-14		1
31	The analysis of the survivorship curves in Drosophila melanogaster with D-GADD45 overexpression. *Russian Journal of Genetics: Applied Research*, **2014**, 4, 15-18		
30	Genetics and epigenetics of aging and longevity. *Cell Cycle*, **2014**, 13, 1063-77	4.7	111
29	The effects of pectins on life span and stress resistance in Drosophila melanogaster. *Biogerontology* , **2014**, 15, 113-27	4.5	15
28	Signaling pathway cloud regulation for in silico screening and ranking of the potential geroprotective drugs. *Frontiers in Genetics*, **2014**, 5, 49	4.5	39
27	Exhaustive data mining comparison of the effects of low doses of ionizing radiation, formaldehyde and dioxins. *BMC Genomics*, **2014**, 15 Suppl 12, S5	4.5	5
26	Mining gene expression data for pollutants (dioxin, toluene, formaldehyde) and low dose of gamma-irradiation. *PLoS ONE*, **2014**, 9, e86051	3.7	20
25	Enhanced longevity by ibuprofen, conserved in multiple species, occurs in yeast through inhibition of tryptophan import. *PLoS Genetics*, **2014**, 10, e1004860	6	64
24	From theories of aging to anti-aging interventions. *Frontiers in Genetics*, **2014**, 5, 276	4.5	4
23	Genome analysis reveals insights into physiology and longevity of the Brandt's bat Myotis brandtii. *Nature Communications*, **2013**, 4, 2212	17.4	160

22	The role of DNA damage and repair in aging through the prism of Koch-like criteria. *Ageing Research Reviews*, **2013**, 12, 661-84	12	225
21	Selective anticancer agents suppress aging in Drosophila. *Oncotarget*, **2013**, 4, 1507-26	3.3	30
20	Geroprotective effects of activation of D-GADD45 DNA reparation gene in Drosophila melanogaster nervous system. *Bulletin of Experimental Biology and Medicine*, **2012**, 152, 340-3	0.8	4
19	Potential therapeutic approaches for modulating expression and accumulation of defective lamin A in laminopathies and age-related diseases. *Journal of Molecular Medicine*, **2012**, 90, 1361-89	5.5	19
18	Gadd45 proteins: relevance to aging, longevity and age-related pathologies. *Ageing Research Reviews*, **2012**, 11, 51-66	12	99
17	The genetic mechanisms of the influence of the light regime on the lifespan of Drosophila melanogaster. *Frontiers in Genetics*, **2012**, 3, 325	4.5	5
16	The role of D-GADD45 in oxidative, thermal and genotoxic stress resistance. *Cell Cycle*, **2012**, 11, 4222-41	4.7	32
15	Pharmacological inhibition of NF-B prolongs lifespan of Drosophila melanogaster. *Aging*, **2011**, 3, 391-4	5.6	46
14	Evolutionary ideas on the nature of aging. *Advances in Gerontology*, **2011**, 1, 112-121	0.4	4
13	Increase of Drosophila melanogaster lifespan due to D-GADD45 overexpression in the nervous system. *Biogerontology*, **2011**, 12, 211-26	4.5	45
12	Radiation hormesis and radioadaptive response in Drosophila melanogaster flies with different genetic backgrounds: the role of cellular stress-resistance mechanisms. *Biogerontology*, **2011**, 12, 253-63	4.5	63
11	Role of FOXO transcription factor in radiation adaptive response and hormesis in Drosophila melanogaster. *Biophysics (Russian Federation)*, **2010**, 55, 854-858	0.7	
10	Pharmacological inhibition of phosphoinositide 3 and TOR kinases improves survival of Drosophila melanogaster. *Rejuvenation Research*, **2010**, 13, 246-7	2.6	52
9	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	
8	Role of stem cell niche in body aging processes. *Russian Journal of General Chemistry*, **2010**, 80, 1476-1481	0.7	
7	Life span alteration after irradiation in Drosophila melanogaster strains with mutations of Hsf and Hsps. *Biogerontology*, **2009**, 10, 3-11	4.5	52
6	Effect of illumination regime on life span in Drosophila melanogaster. *Russian Journal of Ecology*, **2009**, 40, 206-212	0.7	1
5	Radiation-induced life span alteration of Drosophila lines with genotype differences. *Biogerontology*, **2007**, 8, 499-504	4.5	38

4	Chronic gamma-irradiation effect on Drosophila melanogaster lifespan in generations of wild-type isogenic and heterogenic strains. *International Journal of Low Radiation*, **2007**, 4, 169	1	1
3	Effect of low-dose irradiation on the lifespan in various strains of Drosophila melanogaster. *Russian Journal of Genetics*, **2006**, 42, 628-635	0.6	4
2	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	
1	Radiation-Induced Changes in the Life Span of Laboratory Drosophila melanogaster Strains. *Russian Journal of Genetics*, **2001**, 37, 1094-1095	0.6	2