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List of Publications by Year
in descending order

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103 papers	5,102 citations	172207 29 h-index	91712 69 g-index
108 all docs	108 docs citations	108 times ranked	6943 citing authors

#	Article	IF	Citations
1	Resilience to aging is a heterogeneous characteristic defined by physical stressors. Aging Pathobiology and Therapeutics, 2022, 4, 19-22.	0.3	2
2	Geropathology. An inside view of biological aging. Aging Pathobiology and Therapeutics, 2022, 4, 23-24.	0.3	2
3	Short term treatment with a cocktail of rapamycin, acarbose and phenylbutyrate delays aging phenotypes in mice. Scientific Reports, 2022, 12, 7300.	1.6	9
4	Physical performance is enhanced in old mice fed a short term diet medicated with rapamycin, acarbose, and phenylbutyrate. Aging Pathobiology and Therapeutics, 2021, 3, 12-13.	0.3	2
5	Harnessing the heterogeneity of aging. Aging Pathobiology and Therapeutics, 2021, 3, 01-01.	0.3	0
6	An aged immune system drives senescence and ageing of solid organs. Nature, 2021, 594, 100-105.	13.7	368
7	Precision aging. Human lifespan has intrinsic limits but measurable outcomes. Aging Pathobiology and Therapeutics, 2021, 3, 39-40.	0.3	0
8	The antidiabetic drug acarbose suppresses age-related lesions in C57BL/6 mice in an organ dependent manner. Aging Pathobiology and Therapeutics, 2021, 3, 41-42.	0.3	1
9	University of Washington Nathan Shock Center: innovation to advance aging research. GeroScience, 2021, 43, 2161-2165.	2.1	1
10	Rare genetic coding variants associated with human longevity and protection against age-related diseases. Nature Aging, 2021, 1, 783-794.	5.3	22
11	Mouse modeling for anxiety disorders in older adults. Aging Pathobiology and Therapeutics, 2021, 3, 77-78.	0.3	1
12	The unrecognized potential of pet cats for studying aging and age-related diseases. Aging Pathobiology and Therapeutics, 2021, 3, 134-135.	0.3	3
13	PathoClock and PhysioClock in mice recapitulate human multimorbidity and heterogeneous aging. Aging Pathobiology and Therapeutics, 2021, 3, 107-126.	0.3	0
14	Genetics of extreme human longevity to guide drug discovery for healthy ageing. Nature Metabolism, 2020, 2, 663-672.	5.1	32
15	A Geroscience Approach to Preventing Pathologic Consequences of COVID-19. Journal of Interferon and Cytokine Research, 2020, 40, 433-437.	0.5	3
16	Adverse Neurological Effects of Short-Term Sleep Deprivation in Aging Mice Are Prevented by SS31 Peptide. Clocks & Sleep, 2020, 2, 325-333.	0.9	6
17	A Novel Oneâ€Day Learning Procedure for Mice. Current Protocols in Mouse Biology, 2020, 10, e68.	1.2	18
18	Development of a cyclophosphamide stress test to predict resilience to aging in mice. GeroScience, 2020, 42, 1675-1683.	2.1	3

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19	Heterochronic parabiosis regulates the extent of cellular senescence in multiple tissues. GeroScience, 2020, 42, 951-961.	2.1	48
20	Canagliflozin extends life span in genetically heterogeneous male but not female mice. JCI Insight, 2020, 5, .	2.3	51
21	ATM is a key driver of NF-Î°B-dependent DNA-damage-induced senescence, stem cell dysfunction and aging. Aging, 2020, 12, 4688-4710.	1.4	54
22	The potential of GHK as an anti-aging peptide. Aging Pathobiology and Therapeutics, 2020, 2, 58-61.	0.3	9
23	Development of a Geropathology Grading Platform for nonhuman primates. Aging Pathobiology and Therapeutics, 2020, 2, 16-19.	0.3	4
24	QuPath. A new digital imaging tool for geropathology. Aging Pathobiology and Therapeutics, 2020, 2, 114-116.	0.3	9
25	A geropathology approach for identifying therapeutic targets to prevent pathological complications of COVID-19. Aging Pathobiology and Therapeutics, 2020, 2, 106-108.	0.3	1
26	A model for studying cutaneous wound healing and resilience to aging: Ear punch biopsy in old mice. Aging Pathobiology and Therapeutics, 2020, 2, 173-175.	0.3	2
27	The geropathology of organ-specific aging. Journal of Translational Science, 2020, 7, .	0.2	8
28	Neutrophil response to cyclophosphamide predicts resilience to age-related learning impairment. Aging Pathobiology and Therapeutics, 2020, 2, 230-231.	0.3	0
29	Resilience to acute sleep deprivation is associated with attenuation of hippocampal mediated learning impairment. Aging Pathobiology and Therapeutics, 2020, 2, 195-202.	0.3	9
30	Short-term oral rapamycin prevents age-related learning impairment in mice. Aging Pathobiology and Therapeutics, 2020, 2, 166-177.	0.3	1
31	An immune stress test for resilience to aging: Pneumococcal vaccine response. Aging Pathobiology and Therapeutics, 2020, 2, 171-172.	0.3	1
32	Mice expressing an XRCC1 truncated protein are at increased risk for insulin resistance. Pathobiology of Aging & Age Related Diseases, 2019, 9, 1603517.	1.1	0
33	Pathobiology of aging and age-related diseases is the official journal of the Geropathology Research Network. Pathobiology of Aging & Age Related Diseases, 2019, 9, 1593786.	1.1	1
34	Wheel running predicts resilience to tumors in old mice. Pathobiology of Aging & Age Related Diseases, 2019, 9, 1676104.	1.1	0
35	Rapamycin increases breast tumor burden in young wheel-running mice. Pathobiology of Aging & Age Related Diseases, 2019, 9, 1647746.	1.1	3
36	Cross species application of quantitative neuropathology assays developed for clinical Alzheimerâ€™s disease samples. Pathobiology of Aging & Age Related Diseases, 2019, 9, 1657768.	1.1	2

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37	Validation of a geropathology grading system for aging mouse studies. GeroScience, 2019, 41, 455-465.	2.1	24
38	A geroscience mouse model for Alzheimerâ€™s disease. Pathobiology of Aging & Age Related Diseases, 2019, 9, 1616994.	1.1	5
39	Glycine supplementation extends lifespan of male and female mice. Aging Cell, 2019, 18, e12953.	3.0	53
40	Measuring biological age in mice using differential mass spectrometry. Aging, 2019, 11, 1045-1061.	1.4	7
41	Sleep-deprived cognitive impairment in aging mice is alleviated by rapamycin. Aging Pathobiology and Therapeutics, 2019, 1, 05-09.	0.3	10
42	Circulating levels of monocyte chemoattractant proteinâ€1 as a potential measure of biological age in mice and frailty in humans. Aging Cell, 2018, 17, e12706.	3.0	77
43	The potential use of physical resilience to predict healthy aging. Pathobiology of Aging & Age Related Diseases, 2018, 8, 1403844.	1.1	21
44	Testing drug combinations to slow aging. Pathobiology of Aging & Age Related Diseases, 2018, 8, 1407203.	1.1	9
45	Modeling Alzheimerâ€™s disease in progeria mice. An age-related concept. Pathobiology of Aging & Age Related Diseases, 2018, 8, 1524815.	1.1	2
46	Chronic oral rapamycin decreases adiposity, hepatic triglycerides and insulin resistance in male mice fed a diet high in sucrose and saturated fat. Experimental Physiology, 2018, 103, 1469-1480.	0.9	22
47	Self-motivated and stress-response performance assays in mice are age-dependent. Experimental Gerontology, 2017, 91, 1-4.	1.2	9
48	Mitochondrial-Targeted Catalase Protects Against High-Fat Dietâ€“Induced Muscle Insulin Resistance by Decreasing Intramuscular Lipid Accumulation. Diabetes, 2017, 66, 2072-2081.	0.3	45
49	A New Preclinical Paradigm for Testing Anti-Aging Therapeutics. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 760-762.	1.7	26
50	Chronic low-level exposure to the common seafood toxin domoic acid causes cognitive deficits in mice. Harmful Algae, 2017, 64, 20-29.	2.2	57
51	Novel application of a Radial Water Tread maze can distinguish cognitive deficits in mice with traumatic brain injury. Brain Research, 2017, 1657, 140-147.	1.1	13
52	The emerging role of geropathology in preclinical aging studies. Pathobiology of Aging & Age Related Diseases, 2017, 7, 1304005.	1.1	7
53	Neuropathological assessment and validation of mouse models for Alzheimer's disease: applying NIA-AA guidelines. Pathobiology of Aging & Age Related Diseases, 2016, 6, 32397.	1.1	13
54	Application of the microfluidic-assisted replication track analysis to measure DNA repair in human and mouse cells. Methods, 2016, 108, 99-110.	1.9	4

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55	Grip strength is potentially an early indicator of age-related decline in mice. Pathobiology of Aging & Age Related Diseases, 2016, 6, 32981.	1.1	32
56	Pathology assessment is necessary to validate translational endpoints in preclinical aging studies. Pathobiology of Aging & Age Related Diseases, 2016, 6, 31478.	1.1	16
57	The Geropathology Research Network: An Interdisciplinary Approach for Integrating Pathology Into Research on Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 431-434.	1.7	16
58	C.Âelegans S6K Mutants Require a Creatine-Kinase-like Effector for Lifespan Extension. Cell Reports, 2016, 14, 2059-2067.	2.9	50
59	Measures of Healthspan as Indices of Aging in Miceâ€"A Recommendation. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 427-430.	1.7	76
60	Voluntary Wheel Running in Mice. Current Protocols in Mouse Biology, 2015, 5, 283-290.	1.2	88
61	Mitochondrial catalase suppresses naturally occurring lung cancer in old mice. Pathobiology of Aging & Age Related Diseases, 2015, 5, 28776.	1.1	9
62	A model of chronic hepatitis in mice expressing a truncated XRCC1 protein. Pathobiology of Aging & Age Related Diseases, 2015, 5, 27703.	1.1	1
63	Geropathology Research Network Symposium 2015. Pathobiology of Aging & Age Related Diseases, 2015, 5, 28866.	1.1	1
64	Deletion of P58IPK, the Cellular Inhibitor of the Protein Kinases PKR and PERK, Causes Bone Changes and Joint Degeneration in Mice. Frontiers in Endocrinology, 2014, 5, 174.	1.5	17
65	Exercise enhances wound healing and prevents cancer progression during aging by targeting macrophage polarity. Mechanisms of Ageing and Development, 2014, 139, 41-48.	2.2	40
66	The quality control theory of aging. Pathobiology of Aging & Age Related Diseases, 2014, 4, 24835.	1.1	10
67	An immunohistochemical approach for monitoring effects of exercise on tumor stromal cells in old mice. Pathobiology of Aging & Age Related Diseases, 2014, 4, 24824.	1.1	3
68	Pre-tumor exercise decreases breast cancer in old mice in a distance-dependent manner. American Journal of Cancer Research, 2014, 4, 378-84.	1.4	9
69	Decline in muscle strength and running endurance in klotho deficient C57BL/6 mice. Biogerontology, 2013, 14, 729-739.	2.0	55
70	A novel radial water tread maze tracks age-related cognitive decline in mice. Pathobiology of Aging & Age Related Diseases, 2013, 3, 20679.	1.1	13
71	Pathology is a critical aspect of preclinical aging studies. Pathobiology of Aging & Age Related Diseases, 2013, 3, 22451.	1.1	13
72	Exercise Training in Transgenic Mice Is Associated with Attenuation of Early Breast Cancer Growth in a Dose-Dependent Manner. PLoS ONE, 2013, 8, e80123.	1.1	52

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73	Mitochondrial redox signaling and cancer invasiveness. Journal of Bioenergetics and Biomembranes, 2012, 44, 635-638.	1.0	23
74	Rapamycin Reverses Elevated mTORC1 Signaling in Lamin A/Câ€“Deficient Mice, Rescues Cardiac and Skeletal Muscle Function, and Extends Survival. Science Translational Medicine, 2012, 4, 144ra103.	5.8	300
75	Breast tumors in PyMT transgenic mice expressing mitochondrial catalase have decreased labeling for macrophages and endothelial cells. Pathobiology of Aging & Age Related Diseases, 2012, 2, 17391.	1.1	7
76	B16 melanoma tumor growth is delayed in mice in an age-dependent manner. Pathobiology of Aging & Age Related Diseases, 2012, 2, 19182.	1.1	8
77	Tumor growth is suppressed in mice expressing a truncated XRCC1 protein. American Journal of Cancer Research, 2012, 2, 168-77.	1.4	5
78	Exercise, physical activity and breast cancer: the role of tumor-associated macrophages. Exercise Immunology Review, 2012, 18, 158-76.	0.4	34
79	Pathobiology of aging: an old problem gets a new look. Pathobiology of Aging & Age Related Diseases, 2011, 1, 7281.	1.1	4
80	Curcumin suppresses intestinal polyps in APC Min mice fed a high fat diet. Pathobiology of Aging & Age Related Diseases, 2011, 1, 7013.	1.1	25
81	Phenylbutyric acid reduces amyloid plaques and rescues cognitive behavior in AD transgenic mice. Aging Cell, 2011, 10, 418-428.	3.0	91
82	Mitochondrial targeted catalase suppresses invasive breast cancer in mice. BMC Cancer, 2011, 11, 191.	1.1	127
83	Mice lacking the CÎ² subunit of PKA are resistant to angiotensin II-induced cardiac hypertrophy and dysfunction. BMC Research Notes, 2010, 3, 307.	0.6	22
84	A Mitochondrial view of aging, reactive oxygen species and metastatic cancer. Aging Cell, 2010, 9, 462-465.	3.0	31
85	Protein kinase A signaling as an anti-aging target. Ageing Research Reviews, 2010, 9, 269-272.	5.0	32
86	Protein kinase A is a target for aging and the aging heart. Aging, 2010, 2, 238-243.	1.4	25
87	Attenuation of Age-Related Metabolic Dysfunction in Mice With a Targeted Disruption of the CÂ Subunit of Protein Kinase A. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 1221-1231.	1.7	36
88	Lifespan extension in genetically modified mice. Aging Cell, 2009, 8, 346-352.	3.0	100
89	Overexpression of Catalase Targeted to Mitochondria Attenuates Murine Cardiac Aging. Circulation, 2009, 119, 2789-2797.	1.6	414
90	Disruption of Protein Kinase A in Mice Enhances Healthy Aging. PLoS ONE, 2009, 4, e5963.	1.1	87

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91	Hyperinsulinemia and insulin resistance in Wrn null mice fed a diabetogenic diet. Mechanisms of Ageing and Development, 2008, 129, 201-206.	2.2	24
92	Reduction of Age-Associated Pathology in Old Mice by Overexpression of Catalase in Mitochondria. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 813-822.	1.7	115
93	Fe65 Stimulates Proteolytic Liberation of the Î²-Amyloid Precursor Protein Intracellular Domain. Journal of Biological Chemistry, 2007, 282, 33313-33325.	1.6	25
94	Comparative Mouse Genomics Centers Consortium: The Mouse Genotype Database. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2006, 595, 137-144.	0.4	6
95	Approaches to determine clinical significance of genetic variants. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 573, 205-220.	0.4	7
96	Pancreatic Â-Cell Failure and Diabetes in Mice With a Deletion Mutation of the Endoplasmic Reticulum Molecular Chaperone Gene P58IPK. Diabetes, 2005, 54, 1074-1081.	0.3	203
97	Extension of Murine Life Span by Overexpression of Catalase Targeted to Mitochondria. Science, 2005, 308, 1909-1911.	6.0	1,576
98	Utility of a C57BL/6 ES line versus 129 ES lines for Targeted Mutations in Mice. Transgenic Research, 2003, 12, 743-746.	1.3	32
99	Polymorphisms in the DNA repair gene XRCC1 and age-related disease. Mechanisms of Ageing and Development, 2003, 124, 27-32.	2.2	60
100	Expression of Human PKR Protein Kinase in Transgenic Mice. Journal of Interferon and Cytokine Research, 2002, 22, 329-334.	0.5	7
101	Tissue specific expression of PKR protein kinase in aging B6D2F1 mice. Mechanisms of Ageing and Development, 2000, 114, 123-132.	2.2	26
102	Cellular Werner Phenotypes in Mice Expressing a Putative Dominant-Negative Human WRN Gene. Genetics, 2000, 154, 357-362.	1.2	56
103	T-cell receptor Vbeta deletion and Valpha polymorphism are responsible for the resistance of SWR mouse to arthritis induction. Immunogenetics, 1999, 49, 764-772.	1.2	11