

Shin Murakami

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,648
citations

304743

22
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

2042
citing authors

#	ARTICLE	IF	CITATIONS
1	A Genetic Pathway Conferring Life Extension and Resistance to UV Stress in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 1996, 143, 1207-1218.	2.9	353
2	A low copy number central sequence with strict symmetry and unusual chromatin structure in fission yeast centromere.. <i>Molecular Biology of the Cell</i> , 1992, 3, 819-835.	2.1	252
3	Composite motifs and repeat symmetry in <i>S. pombe</i> centromeres: Direct analysis by integration of NotI restriction sites. <i>Cell</i> , 1989, 57, 739-751.	28.9	226
4	Fibroblast cell lines from young adult mice of long-lived mutant strains are resistant to multiple forms of stress. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E23-E29.	3.5	224
5	Multiplex stress resistance in cells from long-lived dwarf mice. <i>FASEB Journal</i> , 2003, 17, 1565-1576.	0.5	200
6	Longevity genes in the nematode <i>Caenorhabditis elegans</i> also mediate increased resistance to stress and prevent disease. <i>Journal of Inherited Metabolic Disease</i> , 2002, 25, 197-206.	3.6	164
7	Gerontogenes mediate health and longevity in nematodes through increasing resistance to environmental toxins and stressors. <i>Experimental Gerontology</i> , 2000, 35, 687-694.	2.8	121
8	Hypothesis: Interventions That Increase the Response to Stress Offer the Potential for Effective Life Prolongation and Increased Health. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1996, 51A, B392-B395.	3.6	117
9	Aging-Dependent and -Independent Modulation of Associative Learning Behavior by Insulin/Insulin-Like Growth Factor-1 Signal in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2005, 25, 10894-10904.	3.6	108
10	Stress resistance in long-lived mouse models. <i>Experimental Gerontology</i> , 2006, 41, 1014-1019.	2.8	105
11	Life extension and stress resistance in <i>Caenorhabditis elegans</i> . modulated by the <i>tkr-1</i> gene. <i>Current Biology</i> , 1998, 8, 1091-S4.	3.9	85
12	The OLD-1 positive regulator of longevity and stress resistance is under DAF-16 regulation in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2001, 11, 1517-1523.	3.9	78
13	The effects of aging and oxidative stress on learning behavior in <i>C. elegans</i> . <i>Neurobiology of Aging</i> , 2005, 26, 899-905.	3.1	74
14	Serotonin receptors antagonistically modulate <i>Caenorhabditis elegans</i> longevity. <i>Aging Cell</i> , 2007, 6, 483-488.	6.7	57
15	Structure of the fission yeast centromere <i>cen3</i> : Direct analysis of the reiterated inverted region. <i>Chromosoma</i> , 1991, 101, 214-221.	2.2	54
16	A large number of tRNA genes are symmetrically located in fission yeast centromeres. <i>Journal of Molecular Biology</i> , 1991, 218, 13-17.	4.2	52
17	<i>Caenorhabditis elegans</i> as a model system to study aging of learning and memory. <i>Molecular Neurobiology</i> , 2007, 35, 85-94.	4.0	39
18	Direct isolation of longevity mutants in the nematode <i>Caenorhabditis elegans</i> . , 1996, 18, 144-153.		38

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19	Construction and characterization of centric circular and acentric linear chromosomes in fission yeast. <i>Current Genetics</i> , 1990, 18, 323-330.	1.7	37
20	Paralogy and Orthology of Tyrosine Kinases that Can Extend the Life Span of <i>Caenorhabditis elegans</i> . <i>Molecular Biology and Evolution</i> , 2000, 17, 671-683.	8.9	33
21	Manipulation of serotonin signal suppresses early phase of behavioral aging in <i>Caenorhabditis elegans</i> . <i>Neurobiology of Aging</i> , 2008, 29, 1093-1100.	3.1	31
22	Unusually High Risks of COVID-19 Mortality with Age-Related Comorbidities: An Adjusted Meta-Analysis Method to Improve the Risk Assessment of Mortality Using the Comorbid Mortality Data. <i>Infectious Disease Reports</i> , 2021, 13, 700-711.	3.1	30
23	Molecular Genetic Mechanisms of Life Span Manipulation in <i>Caenorhabditis elegans</i> . <i>Annals of the New York Academy of Sciences</i> , 2000, 908, 40-49.	3.8	26
24	A large circular minichromosome of <i>Schizosaccharomyces pombe</i> requires a high dose of type II DNA topoisomerase for its stabilization. <i>Molecular Genetics and Genomics</i> , 1995, 246, 671-679.	2.4	21
25	A semi-automated motion-tracking analysis of locomotion speed in the <i>C. elegans</i> transgenics overexpressing beta-amyloid in neurons. <i>Frontiers in Genetics</i> , 2014, 5, 202.	2.3	19
26	Roles of the Coding and Noncoding Regions of Rift Valley Fever Virus RNA Genome Segments in Viral RNA Packaging. <i>Journal of Virology</i> , 2012, 86, 4034-4039.	3.4	18
27	Meta Analysis of Human AlzGene Database: Benefits and Limitations of Using <i>C. elegans</i> for the Study of Alzheimer's Disease and Co-morbid Conditions. <i>Frontiers in Genetics</i> , 2017, 8, 55.	2.3	17
28	Two Opposing Functions of Angiotensin-Converting Enzyme (ACE) That Links Hypertension, Dementia, and Aging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13178.	4.1	17
29	Regulation of Life Span in Model Organisms. <i>Current Genomics</i> , 2003, 4, 63-74.	1.6	9
30	Parasitocidal activity of bovine lactoperoxidase against <i>Toxoplasma gondii</i> . <i>Biochemistry and Cell Biology</i> , 2006, 84, 774-779.	2.0	7
31	<i>Caenorhabditis elegans</i> as a model system to study aging of learning and memory. <i>Molecular Neurobiology</i> , 2007, 35, 85-94.	4.0	7
32	Evidence-Based Genetics and Identification of Key Human Alzheimer's Disease Alleles with Co-morbidities. <i>Journal of Neurology and Experimental Neuroscience</i> , 2020, 6, .	0.1	6
33	Fission yeast <i>sta</i> mutations that stabilize an unstable minichromosome are novel <i>cdc2</i> -interacting suppressors and are involved in regulation of spindle dynamics. <i>Molecular Genetics and Genomics</i> , 1995, 249, 391-399.	2.4	5
34	Age-Dependent Modulation of Learning and Memory in <i>Caenorhabditis elegans</i> . <i>Handbook of Behavioral Neuroscience</i> , 2013, , 140-150.	0.7	4
35	Alzheimer's patient feedback to complement research using model systems for cognitive aging and dementia. <i>Frontiers in Genetics</i> , 2014, 5, 269.	2.3	3
36	Editorial: Biology of Cognitive Aging: Model Systems, Technologies, and Beyond. <i>Frontiers in Genetics</i> , 2016, 6, 366.	2.3	3

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37	Life extension and stress resistance in <i>Caenorhabditis elegans</i> modulated by the <i>tkr-1</i> gene. <i>Current Biology</i> , 1999, 9, R791.	3.9	2