Adam B Salmon

List of Publications by Year
in descending order

70 papers	6,433 citations	126907 33 h-index	95266 68 g-index
72 all docs	72 docs citations	72 times ranked	8686 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.	0.5	2
2	Metabolic benefits of methionine restriction in adult mice do not require functional methionine sulfoxide reductase A (MsrA). Scientific Reports, 2022, 12, 5073.	3.3	5
3	Short term treatment with a cocktail of rapamycin, acarbose and phenylbutyrate delays aging phenotypes in mice. Scientific Reports, 2022, 12, 7300.	3.3	9
4	Beta-guanidinopropionic acid has age-specific effects on markers of health and function in mice. GeroScience, 2021, 43, 1497-1511.	4.6	7
5	Age and sex modify cellular proliferation responses to oxidative stress and glucocorticoid challenges in baboon cells. GeroScience, 2021, 43, 2067-2085.	4.6	5
6	San Antonio Nathan Shock Center: your one-stop shop for aging research. GeroScience, 2021, 43, 2105-2118.	4.6	4
7	Identification of Trigeminal Sensory Neuronal Types Innervating Masseter Muscle. ENeuro, 2021, 8, ENEURO.0176-21.2021.	1.9	17
8	Beta-guanidinopropionic acid does not extend Drosophila lifespan. Biochemistry and Biophysics Reports, 2021, 27, 101040.	1.3	1
9	DNA methylation age analysis of rapamycin in common marmosets. GeroScience, 2021, 43, 2413-2425.	4.6	26
10	Cellular resilience and baboon aging. Aging, 2021, 13, 24482-24484.	3.1	0
11	Is Rapamycin a Dietary Restriction Mimetic?. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 4-13.	3.6	24
12	TORwards a Victory Over Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1-3.	3.6	1
13	Canagliflozin extends life span in genetically heterogeneous male but not female mice. JCI Insight, 2020, 5, .	5.0	51
14	Mitochondrial-targeted methionine sulfoxide reductase overexpression increases the production of oxidative stress in mitochondria from skeletal muscle.. Aging Pathobiology and Therapeutics, 2020, 2, 45-51.	0.5	1
15	Evaluation of the pharmacokinetics of metformin and acarbose in the common marmoset. Pathobiology of Aging & Age Related Diseases, 2019, 9, 1657756.	1.1	15
16	Aging research using the common marmoset: Focus on aging interventions. Nutrition and Healthy Aging, 2019, 5, 97-109.	1.1	22
17	Longâ€term treatment with the mTOR inhibitor rapamycin has minor effect on clinical laboratory markers in middleâ€aged marmosets. American Journal of Primatology, 2019, 81, e22927.	1.7	14
18	Maternal nutrient restriction in baboon programs later-life cellular growth and respiration of cultured skin fibroblasts: a potential model for the study of aging-programming interactions. GeroScience, 2018, 40, 269-278.	4.6	10

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19	Metformin reduces glucose intolerance caused by rapamycin treatment in genetically heterogeneous female mice. Aging, 2018, 10, 386-401.	3.1	32
20	Changes in macroautophagy, chaperone-mediated autophagy, and mitochondrial metabolism in murine skeletal and cardiac muscle during aging. Aging, 2017, 9, 583-599.	3.1	102
21	Beyond Diabetes: Does Obesity-Induced Oxidative Stress Drive the Aging Process?. Antioxidants, 2016, 5, 24.	5.1	35
22	Moving toward â€˜commonâ€™ use of the marmoset as a non-human primate aging model. Pathobiology of Aging & Age Related Diseases, 2016, 6, 32758.	1.1	21
23	Longer lifespan in male mice treated with a weakly estrogenic agonist, an antioxidant, an Î±â€glucosidase inhibitor or a Nrf2â€inducer. Aging Cell, 2016, 15, 872-884.	6.7	277
24	Effects of transgenic methionine sulfoxide reductase A (MsrA) expression on lifespan and age-dependent changes in metabolic function in mice. Redox Biology, 2016, 10, 251-256.	9.0	24
25	Pharmaceutical inhibition of mTOR in the common marmoset: effect of rapamycin on regulators of proteostasis in a non-human primate. Pathobiology of Aging & Age Related Diseases, 2016, 6, 31793.	1.1	25
26	Dynamic differences in oxidative stress and the regulation of metabolism with age in visceral versus subcutaneous adipose. Redox Biology, 2015, 6, 401-408.	9.0	21
27	Nox2 Mediates Skeletal Muscle Insulin Resistance Induced by a High Fat Diet. Journal of Biological Chemistry, 2015, 290, 13427-13439.	3.4	63
28	Obesity-induced oxidative stress, accelerated functional decline with age and increased mortality in mice. Archives of Biochemistry and Biophysics, 2015, 576, 39-48.	3.0	48
29	Altered metabolism and resistance to obesity in long-lived mice producing reduced levels of IGF-I. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E545-E553.	3.5	14
30	Testing Efficacy of Administration of the Antiaging Drug Rapamycin in a Nonhuman Primate, the Common Marmoset. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 577-588.	3.6	47
31	The paradoxical role of thioredoxin on oxidative stress and aging. Archives of Biochemistry and Biophysics, 2015, 576, 32-38.	3.0	54
32	Rapamycin and Dietary Restriction Induce Metabolically Distinctive Changes in Mouse Liver. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 410-420.	3.6	34
33	MsrA Overexpression Targeted to the Mitochondria, but Not Cytosol, Preserves Insulin Sensitivity in Diet-Induced Obese Mice. PLoS ONE, 2015, 10, e0139844.	2.5	18
34	Metabolic consequences of long-term rapamycin exposure on common marmoset monkeys (Callithrix) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.1	42
35	About-face on the metabolic side effects of rapamycin. Oncotarget, 2015, 6, 2585-2586.	1.8	29
36	Mice Fed Rapamycin Have an Increase in Lifespan Associated with Major Changes in the Liver Transcriptome. PLoS ONE, 2014, 9, e83988.	2.5	132

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37	Mice Producing Reduced Levels of Insulin-Like Growth Factor Type 1 Display an Increase in Maximum, but not Mean, Life Span. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 410-419.	3.6	40
38	Revisiting an age-old question regarding oxidative stress. Free Radical Biology and Medicine, 2014, 71, 368-378.	2.9	59
39	Rapamycinâ€mediated lifespan increase in mice is dose and sex dependent and metabolically distinct from dietary restriction. Aging Cell, 2014, 13, 468-477.	6.7	486
40	Rapamycin-induced metabolic defects are reversible in both lean and obese mice. Aging, 2014, 6, 742-754.	3.1	62
41	Exploring the Effect of Redox Enzyme Modulation on the Biology of Mouse Aging. , 2014, , 153-170.		1
42	Oxidative damage associated with obesity is prevented by overexpression of CuZn- or Mn-superoxide dismutase. Biochemical and Biophysical Research Communications, 2013, 438, 78-83.	2.1	51
43	Methionine sulfoxide reductase A affects insulin resistance by protecting insulin receptorfunction. Free Radical Biology and Medicine, 2013, 56, 123-132.	2.9	32
44	Genetic Disruption of SOD1 Gene Causes Glucose Intolerance and Impairs Î²-Cell Function. Diabetes, 2013, 62, 4201-4207.	0.6	34
45	Short-Term Treatment With Rapamycin and Dietary Restriction Have Overlapping and Distinctive Effects in Young Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 108-116.	3.6	56
46	Thioredoxin, oxidative stress, cancer and aging. Longevity & Healthspan, 2012, 1, 4.	6.7	16
47	Oxidative stress in the etiology of age-associated decline in glucose metabolism. Longevity & Healthspan, 2012, 1, 7.	6.7	21
48	Reduction of glucose intolerance with high fat feeding is associated with anti-inflammatory effects of thioredoxin 1 overexpression in mice. Pathobiology of Aging & Age Related Diseases, 2012, 2, 17101.	1.1	11
49	Rapamycin-Induced Insulin Resistance Is Mediated by mTORC2 Loss and Uncoupled from Longevity. Science, 2012, 335, 1638-1643.	12.6	1,022
50	Metabolic effects of intraâ€abdominal fat in GHRKO mice. Aging Cell, 2012, 11, 73-81.	6.7	97
51	Oxidative stress and diabetes: What can we learn about insulin resistance from antioxidant mutant mouse models?. Free Radical Biology and Medicine, 2012, 52, 46-58.	2.9	234
52	Heightened Induction of Proapoptotic Signals in Response to Endoplasmic Reticulum Stress in Primary Fibroblasts from a Mouse Model of Longevity. Journal of Biological Chemistry, 2011, 286, 30344-30351.	3.4	32
53	Reduced Coupling of Oxidative Phosphorylation In Vivo Precedes Electron Transport Chain Defects Due to Mild Oxidative Stress in Mice. PLoS ONE, 2011, 6, e26963.	2.5	39
54	Update on the oxidative stress theory of aging: Does oxidative stress play a role in aging or healthy aging?. Free Radical Biology and Medicine, 2010, 48, 642-655.	2.9	367

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55	Increased superoxide <i>in vivo</i> accelerates ageâ€associated muscle atrophy through mitochondrial dysfunction and neuromuscular junction degeneration. FASEB Journal, 2010, 24, 1376-1390.	0.5	250
56	Lack of methionine sulfoxide reductase A in mice increases sensitivity to oxidative stress but does not diminish life span. FASEB Journal, 2009, 23, 3601-3608.	0.5	121
57	Protein stability and resistance to oxidative stress are determinants of longevity in the longest-living rodent, the naked mole-rat. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3059-3064.	7.1	368
58	Overexpression of Mn Superoxide Dismutase Does Not Increase Life Span in Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 1114-1125.	3.6	178
59	Mechanisms of stress resistance in Snell dwarf mouse fibroblasts: Enhanced antioxidant and DNA base excision repair capacity, but no differences in mitochondrial metabolism. Free Radical Biology and Medicine, 2009, 46, 1109-1118.	2.9	24
60	The long lifespan of two bat species is correlated with resistance to protein oxidation and enhanced protein homeostasis. FASEB Journal, 2009, 23, 2317-2326.	0.5	106
61	Insulin resistance is a cellular antioxidant defense mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17787-17792.	7.1	449
62	Reduction of mitochondrial H₂O₂ by overexpressing peroxiredoxin 3 improves glucose tolerance in mice. Aging Cell, 2008, 7, 866-878.	6.7	129
63	Fibroblasts From Naked Mole-Rats Are Resistant to Multiple Forms of Cell Injury, But Sensitive to Peroxide, Ultraviolet Light, and Endoplasmic Reticulum Stress. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 232-241.	3.6	112
64	Cells From Long-Lived Mutant Mice Exhibit Enhanced Repair of Ultraviolet Lesions. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 219-231.	3.6	32
65	Skinâ€derived fibroblasts from longâ€lived species are resistant to some, but not all, lethal stresses and to the mitochondrial inhibitor rotenone. Aging Cell, 2007, 6, 1-13.	6.7	135
66	Stress resistance and aging: Influence of genes and nutrition. Mechanisms of Ageing and Development, 2006, 127, 687-694.	4.6	75
67	Correlated resistance to glucose deprivation and cytotoxic agents in fibroblast cell lines from long-lived pituitary dwarf mice. Mechanisms of Ageing and Development, 2006, 127, 821-829.	4.6	32
68	Fibroblast cell lines from young adult mice of long-lived mutant strains are resistant to multiple forms of stress. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E23-E29.	3.5	224
69	Multiplex stress resistance in cells from longâ€lived dwarf mice. FASEB Journal, 2003, 17, 1565-1576.	0.5	200
70	A cost of reproduction: oxidative stress susceptibility is associated with increased egg production in Drosophila melanogaster. Experimental Gerontology, 2001, 36, 1349-1359.	2.8	89