

Steven Austad

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,458
citations

257450

24
h-index

223800

46
g-index

64
all docs

64
docs citations

64
times ranked

3942
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex Differences in Lifespan. <i>Cell Metabolism</i> , 2016, 23, 1022-1033.	16.2	379
2	Why women live longer than men: Sex differences in longevity. <i>Gender Medicine</i> , 2006, 3, 79-92.	1.4	355
3	Is antagonistic pleiotropy ubiquitous in aging biology?. <i>Evolution, Medicine and Public Health</i> , 2018, 2018, 287-294.	2.5	114
4	Methusaleh's Zoo: How Nature provides us with Clues for Extending Human Health Span. <i>Journal of Comparative Pathology</i> , 2010, 142, S10-S21.	0.4	112
5	APPL1 Potentiates Insulin Sensitivity by Facilitating the Binding of IRS1/2 to the Insulin Receptor. <i>Cell Reports</i> , 2014, 7, 1227-1238.	6.4	107
6	Disease drivers of aging. <i>Annals of the New York Academy of Sciences</i> , 2016, 1386, 45-68.	3.8	97
7	Mapping ecologically relevant social behaviours by gene knockout in wild mice. <i>Nature Communications</i> , 2014, 5, 4569.	12.8	88
8	Comparative Biology of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 199-201.	3.6	85
9	Measures of Healthspan as Indices of Aging in Mice—A Recommendation. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 427-430.	3.6	76
10	Health Effects of Long-Term Rapamycin Treatment: The Impact on Mouse Health of Enteric Rapamycin Treatment from Four Months of Age throughout Life. <i>PLoS ONE</i> , 2015, 10, e0126644.	2.5	62
11	Is aging programmed?. <i>Aging Cell</i> , 2004, 3, 249-251.	6.7	57
12	Commentary: is Alzheimer's disease uniquely human?. <i>Neurobiology of Aging</i> , 2015, 36, 553-555.	3.1	55
13	Is There a Role for New Invertebrate Models for Aging Research?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 192-194.	3.6	52
14	mTOR drives cerebrovascular, synaptic, and cognitive dysfunction in normative aging. <i>Aging Cell</i> , 2020, 19, e13057.	6.7	52
15	A cross-sectional study of male and female C57BL/6Nia mice suggests lifespan and healthspan are not necessarily correlated. <i>Aging</i> , 2016, 8, 2370-2391.	3.1	50
16	Sex Differences in Longevity and Aging. , 2011, , 479-495.		49
17	<i>Hydra</i> , a powerful model for aging studies. <i>Invertebrate Reproduction and Development</i> , 2015, 59, 11-16.	0.8	46
18	Evaluating Health Span in Preclinical Models of Aging and Disease: Guidelines, Challenges, and Opportunities for Geroscience. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1395-1406.	3.6	44

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19	The Mitochondrial Contribution to Animal Performance, Adaptation, and Life-History Variation. Integrative and Comparative Biology, 2018, 58, 480-485.	2.0	39
20	The Companion Dog as a Model for the Longevity Dividend. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a026633.	6.2	37
21	Use of Nerve Conduction Velocity to Assess Peripheral Nerve Health in Aging Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1312-1319.	3.6	36
22	Cats, "Rats," and Bats: The Comparative Biology of Aging in the 21st Century. Integrative and Comparative Biology, 2010, 50, 783-792.	2.0	35
23	Do Female Dogs Age Differently Than Male Dogs?. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 150-156.	3.6	34
24	The development of a specific pathogen free (SPF) barrier colony of marmosets (<i>Callithrix jacchus</i>) for aging research. Aging, 2017, 9, 2544-2558.	3.1	33
25	Sex differences in health and aging: a dialog between the brain and gonad?. GeroScience, 2019, 41, 267-273.	4.6	26
26	Bring Back the Rat!. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 405-415.	3.6	26
27	Targeting whole body metabolism and mitochondrial bioenergetics in the drug development for Alzheimer's disease. Acta Pharmaceutica Sinica B, 2022, 12, 511-531.	12.0	26
28	Deficient autophagy in epithelial stem cells drives aging in the freshwater cnidarian <i>Hydra</i> . Development (Cambridge), 2020, 147, .	2.5	25
29	Geroscience in the Age of COVID-19. , 2020, 11, 725.		24
30	The human prenatal sex ratio: A major surprise. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4839-4840.	7.1	23
31	Barriers to the Preclinical Development of Therapeutics that Target Aging Mechanisms: Table 1.. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1388-1394.	3.6	22
32	Beyond calorie restriction: aging as a biological target for nutrient therapies. Current Opinion in Biotechnology, 2021, 70, 56-60.	6.6	18
33	Aging and energeticsâ€™ Top 40 future research opportunities 2010-2013. F1000Research, 2014, 3, 219. 1.6		17
34	Significant life extension by ten percent dietary restriction. Annals of the New York Academy of Sciences, 2016, 1363, 11-17.	3.8	17
35	Comment on "The plateau of human mortality: Demography of longevity pioneers". Science, 2018, 361, .	12.6	16
36	The Comparative Biology of Mitochondrial Function and the Rate of Aging. Integrative and Comparative Biology, 2018, 58, 559-566.	2.0	15

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37	Creating the Next Generation of Translational Geroscientists. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 1934-1939.	2.6	13
38	Inducible aging in <i>Hydra oligactis</i> implicates sexual reproduction, loss of stem cells, and genome maintenance as major pathways. <i>GeroScience</i> , 2020, 42, 1119-1132.	4.6	13
39	Loss of Neurogenesis in Aging <i>Hydra</i> . <i>Developmental Neurobiology</i> , 2019, 79, 479-496.	3.0	11
40	Vertebrate aging research 2006. <i>Aging Cell</i> , 2007, 6, 135-138.	6.7	10
41	Serum Cobalamin and Folate Concentrations in Common Marmosets (<i>Callithrix jacchus</i>) with Chronic Lymphocytic Enteritis. <i>Comparative Medicine</i> , 2019, 69, 135-143.	1.0	10
42	Sex, mating and repeatability of <i>Drosophila melanogaster</i> longevity. <i>Royal Society Open Science</i> , 2021, 8, 210273.	2.4	10
43	Tryptophan metabolism is differently regulated between large and small dogs. <i>GeroScience</i> , 2020, 42, 881-896.	4.6	9
44	Alterations of Lipid Metabolism With Age and Weight in Companion Dogs. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 400-405.	3.6	8
45	Perspectives in aging: Nutritional and energetic interventions. <i>Experimental Gerontology</i> , 2016, 86, 1-3.	2.8	4
46	Innovative approaches in cognitive aging. <i>Neurobiology of Aging</i> , 2019, 83, 150-154.	3.1	4
47	Longevity and GAPDH Stability in Bivalves and Mammals: A Convenient Marker for Comparative Gerontology and Proteostasis. <i>PLoS ONE</i> , 2015, 10, e0143680.	2.5	4
48	From Model Organisms to Humans, the Opportunity for More Rigor in Methodologic and Statistical Analysis, Design, and Interpretation of Aging and Senescence Research. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, , .	3.6	4
49	Response to genes that improved fitness also cost modern humans: evidence for genes with antagonistic effects on longevity and disease. <i>Evolution, Medicine and Public Health</i> , 2019, 2019, 7-8.	2.5	2
50	University of Alabama at Birmingham Nathan Shock Center: comparative energetics of aging. <i>GeroScience</i> , 2021, 43, 2149-2160.	4.6	2
51	The Nathan Shock Centers. <i>GeroScience</i> , 2021, 43, 2103-2104.	4.6	2
52	ASSESSMENT OF A MICROPLATE SYSTEM FOR MEASURING INDIVIDUAL REAL-TIME RESPIRATION IN SMALL MODEL ORGANISMS OF AGING. <i>Innovation in Aging</i> , 2019, 3, S918-S919.	0.1	0
53	SEX HORMONES AND ARTHRITIS IN A LONG-LIVED ANIMAL MODEL, THE ELEPHANT. <i>Innovation in Aging</i> , 2019, 3, S925-S926.	0.1	0
54	THE EFFECTS OF AGE AND SIZE ON THE COMPANION DOG METABOLOME: ROLES OF TRYPTOPHAN AND FATTY ACID METABOLISM. <i>Innovation in Aging</i> , 2019, 3, S424-S425.	0.1	0

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55	Edward J. Masoro, Scientist and Friend. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 2105-2107.	3.6	0
56	On Looking at Sydney Asdell's Comparative Chronologic Age in Man and Other Mammals From Issue 1 of the Journal of Gerontology. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1019-1020.	3.6	0