Susan E Howlett

List of Publications by Year
in descending order

159 papers	6,877 citations	53794 45 h-index	71685 76 g-index
169 all docs	169 docs citations	169 times ranked	7754 citing authors

#	Article	IF	Citations
1	Prevalence, Attributes, and Outcomes of Fitness and Frailty in Community-Dwelling Older Adults: Report From the Canadian Study of Health and Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2004, 59, 1310-1317.	3.6	463
2	Sex differences in frailty: A systematic review and meta-analysis. Experimental Gerontology, 2017, 89, 30-40.	2.8	414
3	Microbial shifts in the aging mouse gut. Microbiome, 2014, 2, 50.	11.1	354
4	A Clinical Frailty Index in Aging Mice: Comparisons With Frailty Index Data in Humans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 621-632.	3.6	322
5	Standard laboratory tests to identify older adults at increased risk of death. BMC Medicine, 2014, 12, 171.	5.5	193
6	A Frailty Index Based On Deficit Accumulation Quantifies Mortality Risk in Humans and in Mice. Scientific Reports, 2017, 7, 43068.	3.3	192
7	Responsiveness of goal attainment scaling in a randomized controlled trial of comprehensive geriatric assessment. Journal of Clinical Epidemiology, 2003, 56, 736-743.	5.0	164
8	A Procedure for Creating a Frailty Index Based on Deficit Accumulation in Aging Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67A, 217-227.	3.6	155
9	Impact of Longevity Interventions on a Validated Mouse Clinical Frailty Index. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 333-339.	3.6	122
10	Sex Differences in the Biology and Pathology of the Aging Heart. Canadian Journal of Cardiology, 2016, 32, 1065-1073.	1.7	121
11	A frailty index from common clinical and laboratory tests predicts increased risk of death across the life course. GeroScience, 2017, 39, 447-455.	4.6	115
12	Age-related deficit accumulation and the diseases of ageing. Mechanisms of Ageing and Development, 2019, 180, 107-116.	4.6	112
13	Sex differences in mechanisms of cardiac excitationâ€“contraction coupling. Pflugers Archiv European Journal of Physiology, 2013, 465, 747-763.	2.8	108
14	The degree of frailty as a translational measure of health in aging. Nature Aging, 2021, 1, 651-665.	11.6	104
15	How cardiomyocyte excitation, calcium release and contraction become altered with age. Journal of Molecular and Cellular Cardiology, 2015, 83, 62-72.	1.9	103
16	Fifteen years of progress in understanding frailty and health in aging. BMC Medicine, 2018, 16, 220.	5.5	102
17	Pediatric Cardioplegia Strategy Results in Enhanced Calcium Metabolism and Lower Serum Troponin T. Annals of Thoracic Surgery, 2009, 87, 1517-1523.	1.3	99
18	Heterogeneity of Human Aging and Its Assessment. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, glw089.	3.6	97

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19	Screening for Frailty in Canadaâ€™s Health Care System: A Time for Action. Canadian Journal on Aging, 2016, 35, 281-297.	1.1	94
20	A frailty index based on laboratory deficits in community-dwelling men predicted their risk of adverse health outcomes. Age and Ageing, 2016, 45, 463-468.	1.6	90
21	Sex differences in mechanisms of cardiac excitation-contraction coupling in rat ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H36-H45.	3.2	85
22	A Frailty Index Based on Common Laboratory Tests in Comparison With a Clinical Frailty Index for Older Adults in Long-Term Care Facilities. Journal of the American Medical Directors Association, 2015, 16, 842-847.	2.5	84
23	Protecting the aged heart during cardiac surgery: The potential benefits of del Nido cardioplegia. Journal of Thoracic and Cardiovascular Surgery, 2011, 141, 762-770.	0.8	81
24	The impacts of age and frailty on heart rate and sinoatrial node function. Journal of Physiology, 2016, 594, 7105-7126.	2.9	75
25	Age and life expectancy clocks based on machine learning analysis of mouse frailty. Nature Communications, 2020, 11, 4618.	12.8	75
26	Age-associated changes in excitation-contraction coupling are more prominent in ventricular myocytes from male rats than in myocytes from female rats. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H659-H670.	3.2	73
27	New horizons in frailty: ageing and the deficit-scaling problem. Age and Ageing, 2013, 42, 416-423.	1.6	71
28	Reliability of a Frailty Index Based on the Clinical Assessment of Health Deficits in Male C57BL/6J Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 686-693.	3.6	70
29	Sex differences in SR Ca2+ release in murine ventricular myocytes are regulated by the cAMP/PKA pathway. Journal of Molecular and Cellular Cardiology, 2014, 75, 162-173.	1.9	66
30	A classification tree to assist with routine scoring of the Clinical Frailty Scale. Age and Ageing, 2021, 50, 1406-1411.	1.6	65
31	Cardiac excitation-contraction coupling is altered in myocytes from aged male mice but not in cells from aged female mice. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2362-H2370.	3.2	63
32	Testosterone modulates cardiac contraction and calcium homeostasis: cellular and molecular mechanisms. Biology of Sex Differences, 2015, 6, 9.	4.1	63
33	Simulated ischaemia and reperfusion in isolated guinea pig ventricular myocytes. Cardiovascular Research, 1994, 28, 1794-1802.	3.8	61
34	Contractions in guineaâ€pig ventricular myocytes triggered by a calciumâ€release mechanism separate from Na+ and Lâ€currents.. Journal of Physiology, 1995, 484, 107-122.	2.9	61
35	Chronic Treatment With the ACE Inhibitor Enalapril Attenuates the Development of Frailty and Differentially Modifies Pro- and Anti-inflammatory Cytokines in Aging Male and Female C57BL/6 Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1149-1157.	3.6	61
36	â€Voltage-activated Ca release" in rabbit, rat and guinea-pig cardiac myocytes, and modulation by internal cAMP. Pflugers Archiv European Journal of Physiology, 1997, 435, 164-173.	2.8	59

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37	Adverse Geriatric Outcomes Secondary to Polypharmacy in a Mouse Model: The Influence of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 571-577.	3.6	59
38	Effect of age on cardiac excitationâ€“contraction coupling. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 1-7.	1.9	58
39	Report of the National Heart, Lung, and Blood Institute Working Group on Sex Differences Research in Cardiovascular Disease. Hypertension, 2016, 67, 802-807.	2.7	58
40	A Murine Frailty Index Based on Clinical and Laboratory Measurements: Links Between Frailty and Pro-inflammatory Cytokines Differ in a Sex-Specific Manner. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 275-282.	3.6	58
41	Atrial structure, function and arrhythmogenesis in aged and frail mice. Scientific Reports, 2017, 7, 44336.	3.3	55
42	The association between frailty, the metabolic syndrome, and mortality over the lifespan. GeroScience, 2017, 39, 221-229.	4.6	54
43	Effects of ischemia and reperfusion on isolated ventricular myocytes from young adult and aged Fischer 344 rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2174-H2183.	3.2	53
44	The biology of frailty in humans and animals: Understanding frailty and promoting translation. Aging Medicine (Milton (N S W)), 2019, 2, 27-34.	2.1	53
45	Sex differences in frailty: Comparisons between humans and preclinical models. Mechanisms of Ageing and Development, 2021, 198, 111546.	4.6	49
46	Cannabinoid and lipid-mediated vasorelaxation in retinal microvasculature. European Journal of Pharmacology, 2014, 735, 105-114.	3.5	48
47	Orthostatic hypotension (OH) and mortality in relation to age, blood pressure and frailty. Archives of Gerontology and Geriatrics, 2012, 54, e255-e260.	3.0	47
48	Development of a Rat Clinical Frailty Index. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 897-903.	3.6	47
49	Animal models of frailty: current applications in clinical research. Clinical Interventions in Aging, 2016, Volume 11, 1519-1529.	2.9	46
50	Differences in Cardiovascular Aging in Men and Women. Advances in Experimental Medicine and Biology, 2018, 1065, 389-411.	1.6	46
51	Sex Differences in Healthspan Predict Lifespan in the 3xTg-AD Mouse Model of Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2018, 10, 172.	3.4	46
52	Age and Ovariectomy Abolish Beneficial Effects of Female Sex on Rat Ventricular Myocytes Exposed to Simulated Ischemia and Reperfusion. PLoS ONE, 2012, 7, e38425.	2.5	46
53	Calcium spark properties in ventricular myocytes are altered in aged mice. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1566-H1574.	3.2	43
54	The impact of age and frailty on ventricular structure and function in C57BL/6J mice. Journal of Physiology, 2017, 595, 3721-3742.	2.9	43

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55	Nutrition interventions for healthy ageing across the lifespan: a conference report. European Journal of Nutrition, 2019, 58, 1-11.	3.9	42
56	Chronic Polypharmacy with Increasing Drug Burden Index Exacerbates Frailty and Impairs Physical Function, with Effects Attenuated by Deprescribing, in Aged Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1010-1018.	3.6	39
57	Changes in excitation-contraction coupling in an isolated ventricular myocyte model of cardiac stunning. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H800-H810.	3.2	38
58	Role of cAMP-dependent protein kinase A in activation of a voltage-sensitive release mechanism for cardiac contraction in guinea-pig myocytes. Journal of Physiology, 1998, 513, 185-201.	2.9	37
59	Hypothermia increases the gain of excitation-contraction coupling in guinea pig ventricular myocytes. American Journal of Physiology - Cell Physiology, 2008, 295, C692-C700.	4.6	37
60	Contractile properties of myocardium are altered in dystrophin-deficient mdx mice. Journal of the Neurological Sciences, 1996, 142, 17-24.	0.6	35
61	Ovariectomy enhances SR Ca2+ release and increases Ca2+ spark amplitudes in isolated ventricular myocytes. Journal of Molecular and Cellular Cardiology, 2012, 52, 32-42.	1.9	35
62	A Comparison of Two Mouse Frailty Assessment Tools. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 904-909.	3.6	32
63	Ageing: Develop models of frailty. Nature, 2014, 512, 253-253.	27.8	31
64	Syntheses, Calcium Channel Agonistâ^'Antagonist Modulation Activities, Nitric Oxide Release, and Voltage-Clamp Studies of 2-Nitrooxyethyl 1,4-Dihydro-2,6-dimethyl-3-nitro-4-(2-trifluoromethylphenyl)pyridine-5-carboxylate Enantiomers. Journal of Medicinal Chemistry, 2002, 45, 955-961.	6.4	28
65	The Impact of Ovariectomy on Calcium Homeostasis and Myofilament Calcium Sensitivity in the Aging Mouse Heart. PLoS ONE, 2013, 8, e74719.	2.5	28
66	Cardiac contraction, calcium transients, and myofilament calcium sensitivity fluctuate with the estrous cycle in young adult female mice. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H938-H953.	3.2	28
67	Density of Ryanodine Receptors is Increased in Sarcoplasmic Reticulum from Prehypertrophic Cardiomyopathic Hamster Heart. Journal of Molecular and Cellular Cardiology, 1994, 26, 325-334.	1.9	27
68	Rodent models of frailty and their application in preclinical research. Mechanisms of Ageing and Development, 2019, 179, 1-10.	4.6	26
69	Frailtyâ€"A promising concept to evaluate disease vulnerability. Mechanisms of Ageing and Development, 2020, 187, 111217.	4.6	25
70	Frailty Assessment in Animal Models. Gerontology, 2019, 65, 610-619.	2.8	24
71	Calcium sparks in mouse ventricular myocytes at physiological temperature. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H1495-H1505.	3.2	23
72	The impact of ovariectomy on cardiac excitation-contraction coupling is mediated through cAMP/PKA-dependent mechanisms. Journal of Molecular and Cellular Cardiology, 2017, 111, 51-60.	1.9	23

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73	Associations between a laboratory frailty index and adverse health outcomes across age and sex. Aging Medicine (Milton (N S W)), 2019, 2, 11-17.	2.1	23
74	Commentary: Age-related neurodegenerative disease research needs aging models. Frontiers in Aging Neuroscience, 2016, 8, 9.	3.4	22
75	The age-related decrease in catecholamine sensitivity is mediated by ÃŸ1-adrenergic receptors linked to a decrease in adenylate cyclase activity in ventricular myocytes from male Fischer 344 rats. Mechanisms of Ageing and Development, 2008, 129, 735-744.	4.6	21
76	Increases in diastolic [Ca2+] can contribute to positive inotropy in guinea pig ventricular myocytes in the absence of changes in amplitudes of Ca2+ transients. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H1623-H1634.	3.2	20
77	Clinical meaningfulness of Alzheimer's Disease Assessment Scaleâ€“Cognitive subscale change in relation to goal attainment in patients on cholinesterase inhibitors. Alzheimer's and Dementia, 2017, 13, 1098-1106.	0.8	20
78	Long-term testosterone deficiency modifies myofilament and calcium-handling proteins and promotes diastolic dysfunction in the aging mouse heart. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H768-H780.	3.2	20
79	Calcium channels in normal and dystrophic hamster cardiac muscle. Biochemical Pharmacology, 1987, 36, 2653-2659.	4.4	19
80	Implementation of the mouse frailty index. Canadian Journal of Physiology and Pharmacology, 2017, 95, 1149-1155.	1.4	19
81	Synthesis and Calcium Channel Modulating Effects of Isopropyl 1,4-Dihydro-2,6-dimethyl-3-nitro-4-(thienyl)-5-pyridinecarboxylates. Archiv Der Pharmazie, 1997, 330, 290-294.	4.1	18
82	Regulation of contraction and relaxation by membrane potential in cardiac ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H1618-H1626.	3.2	18
83	Characterization of membrane N-glycan binding sites of lysozyme for cardiac depression in sepsis. Intensive Care Medicine, 2005, 31, 129-137.	8.2	18
84	H-89 decreases the gain of excitationâ€“contraction coupling and attenuates calcium sparks in the absence of beta-adrenergic stimulation. European Journal of Pharmacology, 2012, 691, 163-172.	3.5	18
85	Frailty: Scaling from Cellular Deficit Accumulation?. Interdisciplinary Topics in Gerontology and Geriatrics, 2015, 41, 1-14.	2.6	18
86	Age, Sex and Overall Health, Measured As Frailty, Modify Myofilament Proteins in Hearts From Naturally Aging Mice. Scientific Reports, 2020, 10, 10052.	3.3	17
87	[3H]-Nitrendipine binding sites in normal and cardiomyopathic hamsters: absence of a selective increase in putative calcium channels in cardiomyopathic hearts. Cardiovascular Research, 1988, 22, 840-846.	3.8	16
88	Differential effects of the sodium calcium exchange inhibitor, KB-R7943, on ischemia and reperfusion injury in isolated guinea pig ventricular myocytes. European Journal of Pharmacology, 2008, 580, 214-223.	3.5	16
89	Alterations in ventricular K_{ATP} channel properties during aging. Aging Cell, 2013, 12, 167-176.	6.7	16
90	Assessment of Frailty in Animal Models. Interdisciplinary Topics in Gerontology and Geriatrics, 2015, 41, 15-25.	2.6	16

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91	Acute exposure to progesterone attenuates cardiac contraction by modifying myofilament calcium sensitivity in the female mouse heart. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H46-H59.	3.2	16
92	Ischemia and reperfusion injury following cardioplegic arrest is attenuated by age and testosterone deficiency in male but not female mice. Biology of Sex Differences, 2019, 10, 42.	4.1	16
93	Maladaptive Changes Associated With Cardiac Aging Are Sex-Specific and Graded by Frailty and Inflammation in C57BL/6 Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 233-243.	3.6	16
94	Maleâ€“Female Differences in the Effects of Age on Performance Measures Recorded for 23 Hours in Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 2141-2146.	3.6	15
95	Density of 1,4-dihydropyridine receptors decreases in the hearts of aging hamsters. Journal of Molecular and Cellular Cardiology, 1992, 24, 885-894.	1.9	14
96	Lipid-Lowering Agents and the Risk of Cognitive Impairment That Does Not Meet Criteria for Dementia, in Relation to Apolipoprotein E Status. Neuroepidemiology, 2007, 29, 201-207.	2.3	14
97	Simulated ischemia-induced preconditioning of isolated ventricular myocytes from young adult and aged Fischer-344 rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H768-H777.	3.2	14
98	Frailty and cytokines in preclinical models: Comparisons with humans. Mechanisms of Ageing and Development, 2022, 206, 111706.	4.6	14
99	Polypharmacy Results in Functional Impairment in Mice: Novel Insights Into Age and Sex Interactions. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1748-1756.	3.6	13
100	Radioligand binding to muscle homogenates to quantify receptor and ion channel numbers. Journal of Pharmacological Methods, 1988, 20, 313-321.	0.7	12
101	Overexpression of human Î²2-adrenergic receptors increases gain of excitation-contraction coupling in mouse ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H1029-H1038.	3.2	12
102	Endothelin B receptor dysfunction mediates elevated myogenic tone in cerebral arteries from aged male Fischer 344 rats. GeroScience, 2021, 43, 1447-1463.	4.6	12
103	Aerobic Exercise Attenuates Frailty in Aging Male and Female C57Bl/6 Mice and Effects Systemic Cytokines Differentially by Sex. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 41-46.	3.6	12
104	Calcium currents in ventricular myocytes of prehypertrophic cardiomyopathic hamsters. American Journal of Physiology - Heart and Circulatory Physiology, 1995, 268, H999-H1005.	3.2	11
105	Pretreatment with Pinacidil Promotes Arrhythmias in an Isolated Tissue Model of Cardiac Ischemia and Reperfusion. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 823-830.	2.5	11
106	The voltage-sensitive release mechanism: a new trigger for cardiac contraction. Canadian Journal of Physiology and Pharmacology, 1997, 75, 1044-1057.	1.4	11
107	The Symptoms Targeted for Monitoring in a Web-Based Tracking Tool by Caregivers of People With Dementia and Agitation: Cross-Sectional Study. Journal of Medical Internet Research, 2019, 21, e13360.	4.3	11
108	Losartan improves recovery of contraction and inhibits transient inward current in a cellular model of cardiac ischemia and reperfusion. Journal of Pharmacology and Experimental Therapeutics, 2000, 295, 697-704.	2.5	11

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109	ÃŸ-adrenoceptor stimulation exacerbates detrimental effects of ischemia and reperfusion in isolated guinea pig ventricular myocytes. European Journal of Pharmacology, 2009, 602, 364-372.	3.5	10
110	Characterizing the symptom of misplacing objects in people with dementia: findings from an online tracking tool. International Psychogeriatrics, 2019, 31, 1635-1641.	1.0	10
111	Role of voltage-sensitive release mechanism in depression of cardiac contraction in myopathic hamsters. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H1690-H1700.	3.2	9
112	The effects of isoproterenol on abnormal electrical and contractile activity and diastolic calcium are attenuated in myocytes from aged Fischer 344 rats. Mechanisms of Ageing and Development, 2007, 128, 566-573.	4.6	9
113	Age-associated alterations in retinal arteriole reactivity to endothelin-1 differ between the sexes. Mechanisms of Ageing and Development, 2012, 133, 611-619.	4.6	9
114	Attentuation of Cardiac Stunning by Losartan in a Cellular Model of Ischemia and Reperfusion Is Accompanied by Increased Sarcoplasmic Reticulum Ca2+ Stores and Prevention of Cytosolic Ca2+ Elevation. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 238-247.	2.5	8
115	Factors That Influence Reliability of the Mouse Clinical Frailty Index. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 696-696.	3.6	8
116	Use of Patient-Reported Symptoms from an Online Symptom Tracking Tool for Dementia Severity Staging: Development and Validation of a Machine Learning Approach. Journal of Medical Internet Research, 2020, 22, e20840.	4.3	8
117	Preclinical frailty assessments: Phenotype and frailty index identify frailty in different mice and are variably affected by chronic medications. Experimental Gerontology, 2022, 161, 111700.	2.8	8
118	Increased Expression of the Gene for Î±-Interferon-Inducible Protein in Cardiomyopathic Hamster Heart. Biochemical and Biophysical Research Communications, 2000, 267, 103-108.	2.1	7
119	Diminished Inotropic Response to Amrinone in Ventricular Myocytes from Myopathic Hamsters Is Linked to Depression of High-Gain Ca2+-Induced Ca2+ Release. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 761-773.	2.5	7
120	Diurnal effects of polypharmacy with high drug burden index on physical activities over 23Âh differ with age and sex. Scientific Reports, 2022, 12, 2168.	3.3	7
121	Differential Effects of Phosphodiesterase-Sensitive and -Resistant Analogs of cAMP on Initiation of Contraction in Cardiac Ventricular Myocytes. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 166-178.	2.5	6
122	The Na+/Ca2+ exchange inhibitor SEA0400 limits intracellular Ca2+ accumulation and improves recovery of ventricular function when added to cardioplegia. Journal of Cardiothoracic Surgery, 2014, 9, 11.	1.1	6
123	Novel cardioprotection strategies for the aged heart: evidence from preâ€clinical studies. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 1251-1260.	1.9	6
124	The Clinician's Interviewâ€Based Impression of Change (Plus caregiver input) and goal attainment in two dementia drug trials: Clinical meaningfulness and the initial treatment response. Alzheimer's and Dementia, 2021, 17, 856-865.	0.8	6
125	Advances in Preclinical Models of Frailty. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 867-869.	3.6	5
126	MACHINE LEARNING ANALYSIS OF MOUSE FRAILTY FOR PREDICTION OF BIOLOGICAL AGE AND LIFE EXPECTANCY. Innovation in Aging, 2019, 3, S903-S903.	0.1	5

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127	Signs of diastolic dysfunction are graded by serum testosterone levels in aging C57BL/6 male mice. Mechanisms of Ageing and Development, 2021, 198, 111523.	4.6	5
128	Protein Kinase A-Mediated Phosphorylation Contributes to Enhanced Contraction Observed in Mice That Overexpress Î²-Adrenergic Receptor Kinase-1. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 1307-1316.	2.5	4
129	An acute estrogen receptor agonist enhances protective effects of cardioplegia in hearts from aging male and female mice. Experimental Gerontology, 2020, 141, 111093.	2.8	4
130	Development of a symptom menu to facilitate Goal Attainment Scaling in adults with Down syndrome-associated Alzheimerâ€™s disease: a qualitative study to identify meaningful symptoms. Journal of Patient-Reported Outcomes, 2021, 5, 5.	1.9	4
131	Sex differences in the phenotypic expression of avian dystrophy. Experimental Neurology, 1983, 81, 50-63.	4.1	3
132	Electrophysiologic differences between normal and dystrophic avian muscle. Experimental Neurology, 1986, 94, 416-425.	4.1	3
133	[3H]-nitrendipine binding in normal and cardiomyopathic hamster hearts: Modulation by temperature, verapamil and diltiazem. Journal of Molecular and Cellular Cardiology, 1990, 22, 975-985.	1.9	3
134	The Force-Interval Relation in Aged Hamster Heart. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 1995, 50A, B224-B231.	3.6	3
135	Synthesis and Smooth Muscle Calcium Channel Effects of Dialkyl 1,4-Dihydro-2,6-dimethyl-4-aryl-3,5-pyridinedicarboxylates Containing a Nitrone Moiety in the 4-Aryl Substituent. Archiv Der Pharmazie, 1997, 330, 53-58.	4.1	3
136	l-Arginine ameliorates effects of ischemia and reperfusion in isolated cardiac myocytes. European Journal of Pharmacology, 2003, 476, 45-54.	3.5	3
137	Coxsackievirus B3-Induced Myocarditis: New Insights Into a Female Advantage. Canadian Journal of Cardiology, 2018, 34, 354-355.	1.7	3
138	Searching for the ideal inotropic agent to rescue a failing heart. Cardiovascular Research, 2011, 91, 371-372.	3.8	2
139	Approaches to the Assessment of Frailty in Animal Models. , 2018, , 551-561.		2
140	Preclinical models of frailty: Focus on interventions and their translational impact: A review. Nutrition and Healthy Aging, 2021, 6, 17-33.	1.1	2
141	A Patient-Centric Tool to Facilitate Goal Attainment Scaling in Neurogenic Bladder and Bowel Dysfunction: Path to Individualization. Value in Health, 2021, 24, 413-420.	0.3	2
142	Improved assessment of overall health in variably aged murine models of Multiple Sclerosis with a novel frailty index tool. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, , .	3.6	2
143	Effects of Aging on the Cardiovascular System. , 2010, , 91-96.		2
144	Patterns of Symptom Tracking by Caregivers and Patients With Dementia and Mild Cognitive Impairment: Cross-sectional Study. Journal of Medical Internet Research, 2022, 24, e29219.	4.3	2

#	Article	IF	Citations
145	Low testosterone concentrations and risk of ischaemic cardiovascular disease in ageing: not just a problem for older men. The Lancet Healthy Longevity, 2022, 3, e83-e84.	4.6	2
146	Unblock of the slow inward current induces the arrhythmogenic transient inward current in isolated guinea-pig myocytes. Journal of Molecular and Cellular Cardiology, 1992, 24, 125-132.	1.9	1
147	Spelunking the biology of frailty. Mechanisms of Ageing and Development, 2019, 182, 111123.	4.6	1
148	Heterogeneity of Human Aging and Its Assessment. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 0, , glw089.	3.6	1
149	Applying the AFRAID and FRIGHT clocks to novel preclinical mouse models of polypharmacy. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, , .	3.6	1
150	Responsiveness of normal and dystrophic avian muscle to acetylcholine, carbamylcholine and d-tubocurarine. General Pharmacology, 1988, 19, 697-701.	0.7	0
151	[P2â€“287]: WHAT DOES THE SYMPTOM OF MISPLACING OBJECTS MEAN IN PEOPLE WITH DEMENTIA? FINDINGS FROM AN ONLINE TRACKING TOOL. Alzheimer's and Dementia, 2017, 13, P725.	0.8	0
152	P3â€017: COMPARISON OF A FRAILTY INDEX TOOL BASED ON CLINICAL ASSESSMENT WITH ONE BASED ON Routinely COLLECTED LABORATORY SAFETY DATA: LINKS BETWEEN FRAILTY, ADVERSE EVENTS, AND FUNCTION IN THE SETTING OF AN ALZHEIMER'S DISEASE CLINICAL TRIAL. Alzheimer's and Dementia, 2018, 14, P1069.	0.8	0
153	Reduced catecholamine sensitivity is related to a decrease in adenylate cyclase activity mediated by ÃŸ1â€adrenergic receptor signaling in aged ventricular myocytes. FASEB Journal, 2008, 22, 1129.18.	0.5	0
154	Biology of Frailty. , 2019, , 1-5.		0
155	The Influence of Sex and Age on Responses of Isolated Ventricular Myocytes to Simulated Ischemia and Reperfusion. , 2020, , 67-85.		0
156	Peer Review of â€œNo Time to Waste: Real-World Repurposing of Generic Drugs as a Multifaceted Strategy Against COVID-19â€• Jmirx Med, 2020, 1, e24481.	0.4	0
157	Biology of Frailty. , 2021, , 677-681.		0
158	Serum testosterone concentrations are not associated with frailty in naturally ageing and testosterone-deficient older C57Bl/6 mice. Mechanisms of Ageing and Development, 2022, 203, 111638.	4.6	0
159	The Use of Dietary Supplements and Amino Acid Restriction Interventions to Reduce Frailty in Pre-Clinical Models. Nutrients, 2022, 14, 2806.	4.1	0