

Brian Keith Kennedy

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

9,644
citations

38
h-index

91
g-index

91
ext. papers

11,708
ext. citations

17
avg, IF

6.11
L-index

#	Paper	IF	Citations
80	Geroscience: linking aging to chronic disease. <i>Cell</i> , 2014 , 159, 709-13	56.2	1068
79	Regulation of yeast replicative life span by TOR and Sch9 in response to nutrients. <i>Science</i> , 2005 , 310, 1193-6	33.3	1018
78	Extension of chronological life span in yeast by decreased TOR pathway signaling. <i>Genes and Development</i> , 2006 , 20, 174-84	12.6	711
77	Substrate-specific activation of sirtuins by resveratrol. <i>Journal of Biological Chemistry</i> , 2005 , 280, 17038-45	34	608
76	Cellular Senescence Promotes Adverse Effects of Chemotherapy and Cancer Relapse. <i>Cancer Discovery</i> , 2017 , 7, 165-176	24.4	537
75	Histone H4 lysine 16 acetylation regulates cellular lifespan. <i>Nature</i> , 2009 , 459, 802-7	50.4	482
74	Replicative and chronological aging in <i>Saccharomyces cerevisiae</i> . <i>Cell Metabolism</i> , 2012 , 16, 18-31	24.6	414
73	Mutation in the silencing gene SIR4 can delay aging in <i>S. cerevisiae</i> . <i>Cell</i> , 1995 , 80, 485-96	56.2	406
72	Interventions to Slow Aging in Humans: Are We Ready?. <i>Aging Cell</i> , 2015 , 14, 497-510	9.9	373
71	Yeast life span extension by depletion of 60s ribosomal subunits is mediated by Gcn4. <i>Cell</i> , 2008 , 133, 292-302	56.2	365
70	Sir2-independent life span extension by calorie restriction in yeast. <i>PLoS Biology</i> , 2004 , 2, E296	9.7	350
69	The Mechanistic Target of Rapamycin: The Grand Conductor of Metabolism and Aging. <i>Cell Metabolism</i> , 2016 , 23, 990-1003	24.6	329
68	Redistribution of silencing proteins from telomeres to the nucleolus is associated with extension of life span in <i>S. cerevisiae</i> . <i>Cell</i> , 1997 , 89, 381-91	56.2	325
67	Loss of transcriptional silencing causes sterility in old mother cells of <i>S. cerevisiae</i> . <i>Cell</i> , 1996 , 84, 633-42	56.2	243
66	Late-life rapamycin treatment reverses age-related heart dysfunction. <i>Aging Cell</i> , 2013 , 12, 851-62	9.9	195
65	Elevated proteasome capacity extends replicative lifespan in <i>Saccharomyces cerevisiae</i> . <i>PLoS Genetics</i> , 2011 , 7, e1002253	6	167
64	A Comprehensive Analysis of Replicative Lifespan in 4,698 Single-Gene Deletion Strains Uncovers Conserved Mechanisms of Aging. <i>Cell Metabolism</i> , 2015 , 22, 895-906	24.6	158

63	Quantitative evidence for conserved longevity pathways between divergent eukaryotic species. <i>Genome Research</i> , 2008 , 18, 564-70	9.7	154
62	SIRT6 Is Responsible for More Efficient DNA Double-Strand Break Repair in Long-Lived Species. <i>Cell</i> , 2019 , 177, 622-638.e22	56.2	120
61	Rapamycin-mediated mTORC2 inhibition is determined by the relative expression of FK506-binding proteins. <i>Aging Cell</i> , 2015 , 14, 265-73	9.9	103
60	The quest to slow ageing through drug discovery. <i>Nature Reviews Drug Discovery</i> , 2020 , 19, 513-532	64.1	91
59	Drugs that modulate aging: the promising yet difficult path ahead. <i>Translational Research</i> , 2014 , 163, 456-65	11	86
58	A natural polymorphism in rDNA replication origins links origin activation with calorie restriction and lifespan. <i>PLoS Genetics</i> , 2013 , 9, e1003329	6	77
57	Alpha-Ketoglutarate, an Endogenous Metabolite, Extends Lifespan and Compresses Morbidity in Aging Mice. <i>Cell Metabolism</i> , 2020 , 32, 447-456.e6	24.6	69
56	Geroprotectors.org: a new, structured and curated database of current therapeutic interventions in aging and age-related disease. <i>Aging</i> , 2015 , 7, 616-28	5.6	65
55	Enhanced longevity by ibuprofen, conserved in multiple species, occurs in yeast through inhibition of tryptophan import. <i>PLoS Genetics</i> , 2014 , 10, e1004860	6	64
54	Developing criteria for evaluation of geroprotectors as a key stage toward translation to the clinic. <i>Aging Cell</i> , 2016 , 15, 407-15	9.9	63
53	Lifespan extension conferred by endoplasmic reticulum secretory pathway deficiency requires induction of the unfolded protein response. <i>PLoS Genetics</i> , 2014 , 10, e1004019	6	62
52	Does Longer Lifespan Mean Longer Healthspan?. <i>Trends in Cell Biology</i> , 2016 , 26, 565-568	18.3	61
51	mTORC1 Activation during Repeated Regeneration Impairs Somatic Stem Cell Maintenance. <i>Cell Stem Cell</i> , 2017 , 21, 806-818.e5	18	57
50	The SAGA histone deubiquitinase module controls yeast replicative lifespan via Sir2 interaction. <i>Cell Reports</i> , 2014 , 8, 477-86	10.6	52
49	The enigmatic role of Sir2 in aging. <i>Cell</i> , 2005 , 123, 548-50	56.2	45
48	Hot topics in aging research: protein translation, 2009. <i>Aging Cell</i> , 2009 , 8, 617-23	9.9	44
47	Quantitative evidence for early life fitness defects from 32 longevity-associated alleles in yeast. <i>Cell Cycle</i> , 2011 , 10, 156-65	4.7	43
46	The yeast replicative aging model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 2690-2696	6.9	40

45	Tor-Sch9 deficiency activates catabolism of the ketone body-like acetic acid to promote trehalose accumulation and longevity. <i>Aging Cell</i> , 2014 , 13, 457-67	9.9	39
44	Identifying glioblastoma margins using dual-targeted organic nanoparticles for efficient in vivo fluorescence image-guided photothermal therapy. <i>Materials Horizons</i> , 2019 , 6, 311-317	14.4	38
43	The World Goes Bats: Living Longer and Tolerating Viruses. <i>Cell Metabolism</i> , 2020 , 32, 31-43	24.6	38
42	A Conserved Mito-Cytosolic Translational Balance Links Two Longevity Pathways. <i>Cell Metabolism</i> , 2020 , 31, 549-563.e7	24.6	36
41	Proteasomes, Sir2, and Hxk2 form an interconnected aging network that impinges on the AMPK/Snf1-regulated transcriptional repressor Mig1. <i>PLoS Genetics</i> , 2015 , 11, e1004968	6	34
40	Systematic analysis of asymmetric partitioning of yeast proteome between mother and daughter cells reveals "aging factors" and mechanism of lifespan asymmetry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11977-82	11.5	34
39	Accelerated aging in schizophrenia and related disorders: Future research. <i>Schizophrenia Research</i> , 2018 , 196, 4-8	3.6	33
38	Lack of consensus on an aging biology paradigm? A global survey reveals an agreement to disagree, and the need for an interdisciplinary framework. <i>Mechanisms of Ageing and Development</i> , 2020 , 191, 111316	5.6	26
37	A Flexi-PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy. <i>Advanced Materials</i> , 2020 , 32, e2001459	24	25
36	The conundrum of human immune system "senescence". <i>Mechanisms of Ageing and Development</i> , 2020 , 192, 111357	5.6	25
35	A Lipid Transfer Protein Signaling Axis Exerts Dual Control of Cell-Cycle and Membrane Trafficking Systems. <i>Developmental Cell</i> , 2018 , 44, 378-391.e5	10.2	23
34	Microbiome and Longevity: Gut Microbes Send Signals to Host Mitochondria. <i>Cell</i> , 2017 , 169, 1168-1169	56.2	21
33	Does eNOS derived nitric oxide protect the young from severe COVID-19 complications?. <i>Ageing Research Reviews</i> , 2020 , 64, 101201	12	21
32	The Essence of Aging. <i>Gerontology</i> , 2016 , 62, 381-5	5.5	21
31	Mammalian transcription factors in yeast: strangers in a familiar land. <i>Nature Reviews Molecular Cell Biology</i> , 2002 , 3, 41-9	48.7	17
30	Life span extension by glucose restriction is abrogated by methionine supplementation: Cross-talk between glucose and methionine and implication of methionine as a key regulator of life span. <i>Science Advances</i> , 2020 , 6, eaba1306	14.3	17
29	Aging Biomarkers: From Functional Tests to Multi-Omics Approaches. <i>Proteomics</i> , 2020 , 20, e1900408	4.8	15
28	HS to Mitigate Vascular Aging: A SIRT1 Connection. <i>Cell</i> , 2018 , 173, 8-10	56.2	14

27	Mixing old and young: enhancing rejuvenation and accelerating aging. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4-11	15.9	13
26	Mammalian Target of Rapamycin: A Target for (Lung) Diseases and Aging. <i>Annals of the American Thoracic Society</i> , 2016 , 13 Suppl 5, S398-S401	4.7	12
25	ARDD 2020: from aging mechanisms to interventions. <i>Aging</i> , 2020 , 12, 24484-24503	5.6	11
24	Abundances of transcripts, proteins, and metabolites in the cell cycle of budding yeast reveal coordinate control of lipid metabolism. <i>Molecular Biology of the Cell</i> , 2020 , 31, 1069-1084	3.5	10
23	Nar1 deficiency results in shortened lifespan and sensitivity to paraquat that is rescued by increased expression of mitochondrial superoxide dismutase. <i>Mechanisms of Ageing and Development</i> , 2014 , 138, 53-8	5.6	9
22	Aging: therapeutics for a healthy future. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 108, 453-458	9	8
21	MicroRNA transcriptome analysis identifies miR-365 as a novel negative regulator of cell proliferation in Zmpste24-deficient mouse embryonic fibroblasts. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015 , 777, 69-78	3.3	7
20	Rejuvant [®] , a potential life-extending compound formulation with alpha-ketoglutarate and vitamins, conferred an average 8 year reduction in biological aging, after an average of 7 months of use, in the TruAge DNA methylation test. <i>Aging</i> , 2021 , 13, 24485-24499	5.6	7
19	Three-dimensional facial-image analysis to predict heterogeneity of the human ageing rate and the impact of lifestyle. <i>Nature Metabolism</i> , 2020 , 2, 946-957	14.6	7
18	Latest advances in aging research and drug discovery. <i>Aging</i> , 2019 , 11, 9971-9981	5.6	6
17	Natural products as geroprotectors: An autophagy perspective. <i>Medicinal Research Reviews</i> , 2021 , 41, 3118-3155	14.4	5
16	Distinct biological ages of organs and systems identified from a multi-omics study.. <i>Cell Reports</i> , 2022 , 38, 110459	10.6	4
15	Potassium restriction boosts vacuolar acidity and extends lifespan in yeast. <i>Experimental Gerontology</i> , 2019 , 120, 101-106	4.5	3
14	Targeting impaired nutrient sensing with repurposed therapeutics to prevent or treat age-related cognitive decline and dementia: A systematic review. <i>Ageing Research Reviews</i> , 2021 , 67, 101302	12	3
13	The Autophagy Inducer Spermidine Protects Against Metabolic Dysfunction During Overnutrition. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 1714-1725	6.4	3
12	LMNA Mutations in Progeroid Syndromes. <i>Novartis Foundation Symposium</i> , 2008 , 197-207		2
11	Alpha-Ketoglutarate dietary supplementation to improve health in humans.. <i>Trends in Endocrinology and Metabolism</i> , 2021 ,	8.8	2
10	Integrative epigenomic and transcriptomic analyses reveal metabolic switching by intermittent fasting in brain.. <i>GeroScience</i> , 2022 , 1	8.9	2

9	Translate this ... during dietary restriction. <i>Cell Metabolism</i> , 2009 , 10, 247-8	24.6	1
8	A Comprehensive, Multi-Modal Strategy to Mitigate Alzheimer's Disease Risk Factors Improves Aspects of Metabolism and Offsets Cognitive Decline in Individuals with Cognitive Impairment. <i>Journal of Alzheimer's Disease Reports</i> , 2020 , 4, 223-230	3.3	1
7	Spatio-temporal correlates of gene expression and cortical morphology across lifespan and aging. <i>NeuroImage</i> , 2021 , 224, 117426	7.9	1
6	Hutchinson-Gilford Progeria paves the way for novel targeted anti-aging therapies.. <i>Med</i> , 2021 , 2, 353-354	5.7	0
5	The association of genetically determined serum glycine with cardiovascular risk in East Asians. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 1840-1844	4.5	0
4	Yeast as a model organism for aging research 2021 , 183-197		0
3	T(ell)TALE signs of aging. <i>Cell Research</i> , 2017 , 27, 453-454	24.7	
2	Photodynamic Therapy: A Flexi-PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy (Adv. Mater. 29/2020). <i>Advanced Materials</i> , 2020 , 32, 2070219	24	
1	Inhibition of ATR Reverses a Mitochondrial Respiratory Insufficiency. <i>Cells</i> , 2022 , 11, 1731	7.9	