Brian Keith Kennedy

List of Publications by Year
in descending order

89	13,308	61857 43	56606 83
papers	citations	h-index	g-index

91	91	91	14239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geroscience: Linking Aging to Chronic Disease. Cell, 2014, 159, 709-713.	13.5	1,709
2	Regulation of Yeast Replicative Life Span by TOR and Sch9 in Response to Nutrients. Science, 2005, 310, 1193-1196.	6.0	1,171
3	Cellular Senescence Promotes Adverse Effects of Chemotherapy and Cancer Relapse. Cancer Discovery, 2017, 7, 165-176.	7.7	881
4	Extension of chronological life span in yeast by decreased TOR pathway signaling. Genes and Development, 2006, 20, 174-184.	2.7	840
5	Substrate-specific Activation of Sirtuins by Resveratrol. Journal of Biological Chemistry, 2005, 280, 17038-17045.	1.6	677
6	Histone H4 lysine 16 acetylation regulates cellular lifespan. Nature, 2009, 459, 802-807.	13.7	580
7	Replicative and Chronological Aging in Saccharomyces cerevisiae. Cell Metabolism, 2012, 16, 18-31.	7.2	509
8	Mutation in the silencing gene S/R4 can delay aging in S. cerevisiae. Cell, 1995, 80, 485-496.	13.5	491
9	Interventions to Slow Aging in Humans: Are We Ready?. Aging Cell, 2015, 14, 497-510.	3.0	481
10	Yeast Life Span Extension by Depletion of 60S Ribosomal Subunits Is Mediated by Gcn4. Cell, 2008, 133, 292-302.	13.5	436
11	The Mechanistic Target of Rapamycin: The Grand ConducTOR of Metabolism and Aging. Cell Metabolism, 2016, 23, 990-1003.	7.2	427
12	Sir2-Independent Life Span Extension by Calorie Restriction in Yeast. PLoS Biology, 2004, 2, e296.	2.6	396
13	Redistribution of Silencing Proteins from Telomeres to the Nucleolus Is Associated with Extension of Life Span in S. cerevisiae. Cell, 1997, 89, 381-391.	13.5	368
14	Loss of Transcriptional Silencing Causes Sterility in Old Mother Cells of S. cerevisiae. Cell, 1996, 84, 633-642.	13.5	287
15	The quest to slow ageing through drug discovery. Nature Reviews Drug Discovery, 2020, 19, 513-532.	21.5	260
16	Late-life rapamycin treatment reverses age-related heart dysfunction. Aging Cell, 2013, 12, 851-862.	3.0	258
17	SIRT6 Is Responsible for More Efficient DNA Double-Strand Break Repair in Long-Lived Species. Cell, 2019, 177, 622-638.e22.	13.5	225
18	A Comprehensive Analysis of Replicative Lifespan in 4,698 Single-Gene Deletion Strains Uncovers Conserved Mechanisms of Aging. Cell Metabolism, 2015, 22, 895-906.	7.2	212

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19	Elevated Proteasome Capacity Extends Replicative Lifespan in Saccharomyces cerevisiae. PLoS Genetics, 2011, 7, e1002253.	1.5	202
20	Alpha-Ketoglutarate, an Endogenous Metabolite, Extends Lifespan and Compresses Morbidity in Aging Mice. Cell Metabolism, 2020, 32, 447-456.e6.	7.2	201
21	Quantitative evidence for conserved longevity pathways between divergent eukaryotic species. Genome Research, 2008, 18, 564-570.	2.4	182
22	Rapamycinâ€mediated <scp>mTORC</scp> 2 inhibition is determined by the relative expression of <scp>FK</scp> 506â€binding proteins. Aging Cell, 2015, 14, 265-273.	3.0	131
23	Drugs that modulate aging: the promising yet difficult path ahead. Translational Research, 2014, 163, 456-465.	2.2	114
24	Does Longer Lifespan Mean Longer Healthspan?. Trends in Cell Biology, 2016, 26, 565-568.	3.6	101
25	A Natural Polymorphism in rDNA Replication Origins Links Origin Activation with Calorie Restriction and Lifespan. PLoS Genetics, 2013, 9, e1003329.	1.5	97
26	Developing criteria for evaluation of geroprotectors as a key stage toward translation to the clinic. Aging Cell, 2016, 15, 407-415.	3.0	97
27	Geroprotectors.org: a new, structured and curated database of current therapeutic interventions in aging and age-related disease. Aging, 2015, 7, 616-628.	1.4	93
28	The World Goes Bats: Living Longer and Tolerating Viruses. Cell Metabolism, 2020, 32, 31-43.	7.2	89
29	mTORC1 Activation during Repeated Regeneration Impairs Somatic Stem Cell Maintenance. Cell Stem Cell, 2017, 21, 806-818.e5.	5.2	87
30	A Conserved Mito-Cytosolic Translational Balance Links Two Longevity Pathways. Cell Metabolism, 2020, 31, 549-563.e7.	7.2	87
31	Enhanced Longevity by Ibuprofen, Conserved in Multiple Species, Occurs in Yeast through Inhibition of Tryptophan Import. PLoS Genetics, 2014, 10, e1004860.	1.5	80
32	Lifespan Extension Conferred by Endoplasmic Reticulum Secretory Pathway Deficiency Requires Induction of the Unfolded Protein Response. PLoS Genetics, 2014, 10, e1004019.	1.5	74
33	Distinct biological ages of organs and systems identified from a multi-omics study. Cell Reports, 2022, 38, 110459.	2.9	74
34	The yeast replicative aging model. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 2690-2696.	1.8	70
35	Lack of consensus on an aging biology paradigm? A global survey reveals an agreement to disagree, and the need for an interdisciplinary framework. Mechanisms of Ageing and Development, 2020, 191, 111316.	2.2	67
36	The conundrum of human immune system â€œsenescenceâ€. Mechanisms of Ageing and Development, 2020, 192, 111357.	2.2	64

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37	The SAGA Histone Deubiquitinase Module Controls Yeast Replicative Lifespan via Sir2 Interaction. Cell Reports, 2014, 8, 477-486.	2.9	62
38	Accelerated aging in schizophrenia and related disorders: Future research. Schizophrenia Research, 2018, 196, 4-8.	1.1	61
39	Identifying glioblastoma margins using dual-targeted organic nanoparticles for efficient <i>in vivo</i> fluorescence image-guided photothermal therapy. Materials Horizons, 2019, 6, 311-317.	6.4	53
40	Systematic analysis of asymmetric partitioning of yeast proteome between mother and daughter cells reveals â€œaging factorsâ€•and mechanism of lifespan asymmetry. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11977-11982.	3.3	51
41	Targeting aging mechanisms: pharmacological perspectives. Trends in Endocrinology and Metabolism, 2022, 33, 266-280.	3.1	50
42	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. Science Advances, 2020, 6, eaba1306.	4.7	49
43	Hot topics in aging research: protein translation, 2009. Aging Cell, 2009, 8, 617-623.	3.0	48
44	Torâ€Sch9 deficiency activates catabolism of the ketone bodyâ€like acetic acid to promote trehalose accumulation and longevity. Aging Cell, 2014, 13, 457-467.	3.0	48
45	Quantitative evidence for early life fitness defects from 32 longevity-associated alleles in yeast. Cell Cycle, 2011, 10, 156-165.	1.3	47
46	The Enigmatic Role of Sir2 in Aging. Cell, 2005, 123, 548-550.	13.5	46
47	Three-dimensional facial-image analysis to predict heterogeneity of the human ageing rate and the impact of lifestyle. Nature Metabolism, 2020, 2, 946-957.	5.1	45
48	A Flexiâ€PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy. Advanced Materials, 2020, 32, 2001459.	11.1	44
49	Alpha-Ketoglutarate dietary supplementation to improve health in humans. Trends in Endocrinology and Metabolism, 2022, 33, 136-146.	3.1	41
50	Aging Biomarkers: From Functional Tests to Multiâ€Omics Approaches. Proteomics, 2020, 20, e1900408.	1.3	40
51	Proteasomes, Sir2, and Hxk2 Form an Interconnected Aging Network That Impinges on the AMPK/Snf1-Regulated Transcriptional Repressor Mig1. PLoS Genetics, 2015, 11, e1004968.	1.5	37
52	Does eNOS derived nitric oxide protect the young from severe COVID-19 complications?. Ageing Research Reviews, 2020, 64, 101201.	5.0	36
53	Microbiome and Longevity: Gut Microbes Send Signals to Host Mitochondria. Cell, 2017, 169, 1168-1169.	13.5	35
54	ARDD 2020: from aging mechanisms to interventions. Aging, 2020, 12, 24484-24503.	1.4	32

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55	The Essence of Aging. Gerontology, 2016, 62, 381-385.	1.4	31
56	A Lipid Transfer Protein Signaling Axis Exerts Dual Control of Cell-Cycle and Membrane Trafficking Systems. Developmental Cell, 2018, 44, 378-391.e5.	3.1	30
57	Abundances of transcripts, proteins, and metabolites in the cell cycle of budding yeast reveal coordinate control of lipid metabolism. Molecular Biology of the Cell, 2020, 31, 1069-1084.	0.9	30
58	RejuvantÂ®, 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. Aging, 2021, 13, 24485-24499.	1.4	28
59	Targeting the molecular & cellular pillars of human aging with exercise. FEBS Journal, 2023, 290, 649-668.	2.2	27
60	Mixing old and young: enhancing rejuvenation and accelerating aging. Journal of Clinical Investigation, 2019, 129, 4-11.	3.9	22
61	H2S to Mitigate Vascular Aging: A SIRT1 Connection. Cell, 2018, 173, 8-10.	13.5	20
62	Mammalian transcription factors in yeast: strangers in a familiar land. Nature Reviews Molecular Cell Biology, 2002, 3, 41-49.	16.1	17
63	Mammalian Target of Rapamycin: A Target for (Lung) Diseases and Aging. Annals of the American Thoracic Society, 2016, 13, S398-S401.	1.5	15
64	Aging: therapeutics for a healthy future. Neuroscience and Biobehavioral Reviews, 2020, 108, 453-458.	2.9	15
65	Latest advances in aging research and drug discovery. Aging, 2019, 11, 9971-9981.	1.4	13
66	Targeting impaired nutrient sensing with repurposed therapeutics to prevent or treat age-related cognitive decline and dementia: A systematic review. Ageing Research Reviews, 2021, 67, 101302.	5.0	13
67	The Autophagy Inducer Spermidine Protects Against Metabolic Dysfunction During Overnutrition. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1714-1725.	1.7	12
68	Potassium restriction boosts vacuolar acidity and extends lifespan in yeast. Experimental Gerontology, 2019, 120, 101-106.	1.2	10
69	Integrative epigenomic and transcriptomic analyses reveal metabolic switching by intermittent fasting in brain. GeroScience, 2022, 44, 2171-2194.	2.1	10
70	Nar1 deficiency results in shortened lifespan and sensitivity to paraquat that is rescued by increased expression of mitochondrial superoxide dismutase. Mechanisms of Ageing and Development, 2014, 138, 53-58.	2.2	9
71	MicroRNA transcriptome analysis identifies miR-365 as a novel negative regulator of cell proliferation in Zmpste24 -deficient mouse embryonic fibroblasts. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 777, 69-78.	0.4	9
72	Natural products as geroprotectors: An autophagy perspective. Medicinal Research Reviews, 2021, 41, 3118-3155.	5.0	9

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73	Spatio-temporal correlates of gene expression and cortical morphology across lifespan and aging. NeuroImage, 2021, 224, 117426.	2.1	8
74	LMNA Mutations in Progeroid Syndromes. Novartis Foundation Symposium, 2008, , 197-207.	1.2	6
75	Cohort profile: the Diet and Healthy Aging (DaHA) study in Singapore. Aging, 2020, 12, 23889-23899.	1.4	6
76	Loss of Ribosomal Protein Paralog Rpl22-like1 Blocks Lymphoid Development without Affecting Protein Synthesis. Journal of Immunology, 2022, 208, 870-880.	0.4	5
77	A Comprehensive, Multi-Modal Strategy to Mitigate Alzheimerâ€™s Disease Risk Factors Improves Aspects of Metabolism and Offsets Cognitive Decline in Individuals with Cognitive Impairment. Journal of Alzheimer's Disease Reports, 2020, 4, 1-8.	1.2	4
78	The association of genetically determined serum glycine with cardiovascular risk in East Asians. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 1840-1844.	1.1	4
79	Meeting Report: Aging Research and Drug Discovery. Aging, 2022, 14, 530-543.	1.4	4
80	Association between housing type and accelerated biological aging in different sexes: moderating effects of health behaviors. Aging, 2021, 13, 20029-20049.	1.4	3
81	Photodynamic Therapy: A Flexiâ€PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy (Adv. Mater. 29/2020). Advanced Materials, 2020, 32, 2070219.	11.1	2
82	Translate This â€¦ during Dietary Restriction. Cell Metabolism, 2009, 10, 247-248.	7.2	1
83	Hutchinson-Gilford Progeria paves the way for novel targeted anti-aging therapies. Med, 2021, 2, 353-354.	2.2	1
84	Yeast as a model organism for aging research. , 2021, , 183-197.		1
85	T(ell)TALE signs of aging. Cell Research, 2017, 27, 453-454.	5.7	0
86	Aging: Mechanisms, Measures, and Interventions. Proteomics, 2020, 20, 1800336.	1.3	0
87	Geroscience. , 2021, , 1-7.		0
88	Geroscience. , 2021, , 2181-2187.		0
89	Inhibition of ATR Reverses a Mitochondrial Respiratory Insufficiency. Cells, 2022, 11, 1731.	1.8	0