

# Morten Scheibye-Knudsen

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

7,835  
citations

108046

37  
h-index

134545

62  
g-index

75  
all docs

75  
docs citations

75  
times ranked

12497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Meeting Report: Aging Research and Drug Discovery. <i>Aging</i> , 2022, 14, 530-543.	1.4	4
2	Clinical Trials Targeting Aging. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	17
3	Deprogramming metabolism in pancreatic cancer with a bi-functional GPR55 inhibitor and biased $\beta_2$ adrenergic agonist. <i>Scientific Reports</i> , 2022, 12, 3618.	1.6	3
4	A cross-sectional study of functional and metabolic changes during aging through the lifespan in male mice. <i>ELife</i> , 2021, 10, .	2.8	47
5	Longevity medicine: upskilling the physicians of tomorrow. <i>The Lancet Healthy Longevity</i> , 2021, 2, e187-e188.	2.0	11
6	EX-vivo whole blood stimulation with A2E does not elicit an inflammatory cytokine response in patients with age-related macular degeneration. <i>Scientific Reports</i> , 2021, 11, 8226.	1.6	3
7	Reduction of lamin B receptor levels by miR-340-5p disrupts chromatin, promotes cell senescence and enhances senolysis. <i>Nucleic Acids Research</i> , 2021, 49, 7389-7405.	6.5	14
8	Inhibition of the neuromuscular acetylcholine receptor with atracurium activates FOXO/DAF-16-induced longevity. <i>Aging Cell</i> , 2021, 20, e13381.	3.0	9
9	Mitophagy and Neuroprotection. <i>Trends in Molecular Medicine</i> , 2020, 26, 8-20.	3.5	246
10	Protecting the Aging Genome. <i>Trends in Cell Biology</i> , 2020, 30, 117-132.	3.6	84
11	A Grand Challenge in Aging Interventions: From Mice to Humans. <i>Frontiers in Aging</i> , 2020, 1, .	1.2	0
12	Senescent cells promote tissue NAD <sup>+</sup> decline during ageing via the activation of CD38 <sup>+</sup> macrophages. <i>Nature Metabolism</i> , 2020, 2, 1265-1283.	5.1	206
13	New methodologies in ageing research. <i>Ageing Research Reviews</i> , 2020, 62, 101094.	5.0	7
14	MitophAging: Mitophagy in Aging and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 239.	1.8	87
15	ARDD 2020: from aging mechanisms to interventions. <i>Aging</i> , 2020, 12, 24484-24503.	1.4	32
16	Lamin A/C promotes DNA base excision repair. <i>Nucleic Acids Research</i> , 2019, 47, 11709-11728.	6.5	35
17	Human Exonuclease 1 (EXO1) Regulatory Functions in DNA Replication with Putative Roles in Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 74.	1.8	41
18	Latest advances in aging research and drug discovery. <i>Aging</i> , 2019, 11, 9971-9981.	1.4	13

#	ARTICLE	IF	CITATIONS
19	Artificial intelligence for aging and longevity research: Recent advances and perspectives. Ageing Research Reviews, 2019, 49, 49-66.	5.0	129
20	Blood Biochemistry Analysis to Detect Smoking Status and Quantify Accelerated Aging in Smokers. Scientific Reports, 2019, 9, 142.	1.6	63
21	A defined human aging phenome. Aging, 2019, 11, 5786-5806.	1.4	16
22	Emerging Antitumor Activities of the Bitter Melon (Momordica charantia). Current Protein and Peptide Science, 2019, 20, 296-301.	0.7	15
23	Monogenic Diseases of DNA Repair. New England Journal of Medicine, 2018, 378, 491-492.	13.9	8
24	Population Specific Biomarkers of Human Aging: A Big Data Study Using South Korean, Canadian, and Eastern European Patient Populations. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1482-1490.	1.7	133
25	Aging and drug discovery. Aging, 2018, 10, 3079-3088.	1.4	25
26	Vive la radiorÃ©sistance!: converging research in radiobiology and biogerontology to enhance human radioresistance for deep space exploration and colonization. Oncotarget, 2018, 9, 14692-14722.	0.8	62
27	Smoking causes early biological aging: a deep neural network analysis of common blood test results. , 2018, , .		1
28	Mitophagy in neurodegeneration and aging. Neurochemistry International, 2017, 109, 202-209.	1.9	272
29	Tomatidine enhances lifespan and healthspan in C. elegans through mitophagy induction via the SKN-1/Nrf2 pathway. Scientific Reports, 2017, 7, 46208.	1.6	116
30	Monogenic Diseases of DNA Repair. New England Journal of Medicine, 2017, 377, 1868-1876.	13.9	49
31	Cockayne syndrome: Clinical features, model systems and pathways. Ageing Research Reviews, 2017, 33, 3-17.	5.0	184
32	Cytochrome b5 reductase and the control of lipid metabolism and healthspan. Npj Aging and Mechanisms of Disease, 2016, 2, 16006.	4.5	57
33	NAD + Replenishment Improves Lifespan and Healthspan in Ataxia Telangiectasia Models via Mitophagy and DNA Repair. Cell Metabolism, 2016, 24, 566-581.	7.2	420
34	A ketogenic diet accelerates neurodegeneration in mice with induced mitochondrial DNA toxicity in the forebrain. Neurobiology of Aging, 2016, 48, 34-47.	1.5	30
35	3â€Hydroxybutyrate regulates energy metabolism and induces <scp>BDNF</scp> expression in cerebral cortical neurons. Journal of Neurochemistry, 2016, 139, 769-781.	2.1	179
36	Cockayne syndrome group A and B proteins converge on transcription-linked resolution of non-B DNA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12502-12507.	3.3	72

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37	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. <i>Cell Metabolism</i> , 2016, 23, 1093-1112.	7.2	360
38	Nuclear DNA damage signalling to mitochondria in ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 308-321.	16.1	294
39	A novel method for determining human <i>ex vivo</i> submaximal skeletal muscle mitochondrial function. <i>Journal of Physiology</i> , 2015, 593, 3991-4010.	1.3	13
40	Loss of NEIL1 causes defects in olfactory function in mice. <i>Neurobiology of Aging</i> , 2015, 36, 1007-1012.	1.5	18
41	Animal Models of Aging Research: Implications for Human Aging and Age-Related Diseases. <i>Annual Review of Animal Biosciences</i> , 2015, 3, 283-303.	3.6	233
42	DNA Damage, DNA Repair, Aging, and Neurodegeneration. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a025130.	2.9	285
43	A research agenda for aging in China in the 21st century. <i>Ageing Research Reviews</i> , 2015, 24, 197-205.	5.0	374
44	Protecting the mitochondrial powerhouse. <i>Trends in Cell Biology</i> , 2015, 25, 158-170.	3.6	260
45	Overexpression of DNA ligase III in mitochondria protects cells against oxidative stress and improves mitochondrial DNA base excision repair. <i>DNA Repair</i> , 2014, 16, 44-53.	1.3	37
46	Defective Mitophagy in XPA via PARP-1 Hyperactivation and NAD <sup>+</sup> /SIRT1 Reduction. <i>Cell</i> , 2014, 157, 882-896.	13.5	554
47	A High-Fat Diet and NAD <sup>+</sup> Activate Sirt1 to Rescue Premature Aging in Cockayne Syndrome. <i>Cell Metabolism</i> , 2014, 20, 840-855.	7.2	306
48	Contribution of defective mitophagy to the neurodegeneration in DNA repair-deficient disorders. <i>Autophagy</i> , 2014, 10, 1468-1469.	4.3	39
49	<i>SRT2104</i> extends survival of male mice on a standard diet and preserves bone and muscle mass. <i>Aging Cell</i> , 2014, 13, 787-796.	3.0	208
50	Di-(2-ethylhexyl) phthalate inhibits DNA replication leading to hyperPARylation, SIRT1 attenuation and mitochondrial dysfunction in the testis. <i>Scientific Reports</i> , 2014, 4, 6434.	1.6	47
51	Metformin improves healthspan and lifespan in mice. <i>Nature Communications</i> , 2013, 4, 2192.	5.8	1,118
52	Mitochondrial deficiency in Cockayne syndrome. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 275-283.	2.2	66
53	The Biarylpyrazole Compound AM251 Alters Mitochondrial Physiology via Proteolytic Degradation of ERR $\alpha$ . <i>Molecular Pharmacology</i> , 2013, 83, 157-166.	1.0	8
54	Long-Term Artificial Sweetener Acesulfame Potassium Treatment Alters Neurometabolic Functions in C57BL/6J Mice. <i>PLoS ONE</i> , 2013, 8, e70257.	1.1	50

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55	A novel diagnostic tool reveals mitochondrial pathology in human diseases and aging. <i>Aging</i> , 2013, 5, 192-208.	1.4	53
56	Rapamycin: Current and Future Uses. , 2013, , 239-247.		0
57	Xeroderma pigmentosum group A protein modulates mitophagy through regulation of mitochondrial-associated proteins. <i>FASEB Journal</i> , 2013, 27, lb468.	0.2	0
58	Cockayne syndrome group B protein prevents the accumulation of damaged mitochondria by promoting mitochondrial autophagy. <i>Journal of Experimental Medicine</i> , 2012, 209, 855-869.	4.2	177
59	Sporadic Alzheimer disease fibroblasts display an oxidative stress phenotype. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1371-1380.	1.3	47
60	Cockayne syndrome group B protein prevents the accumulation of damaged mitochondria by promoting mitochondrial autophagy. <i>Journal of Cell Biology</i> , 2012, 197, i4-i4.	2.3	0
61	Negative Regulation of STAT3 Protein-mediated Cellular Respiration by SIRT1 Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 19270-19279.	1.6	115
62	SIRT1720 improves survival and healthspan of obese mice. <i>Scientific Reports</i> , 2011, 1, 70.	1.6	249
63	Cockayne syndrome group B protein promotes mitochondrial DNA stability by supporting the DNA repair association with the mitochondrial membrane. <i>FASEB Journal</i> , 2010, 24, 2334-2346.	0.2	124
64	Mitochondrial base excision repair assays. <i>Methods</i> , 2010, 51, 416-425.	1.9	42
65	Changed mitochondrial function by pre- and/or postpartum diet alterations in sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E1349-E1357.	1.8	20
66	Regulation of mitochondrial respiration by inorganic phosphate; comparing permeabilized muscle fibers and isolated mitochondria prepared from type-1 and type-2 rat skeletal muscle. <i>European Journal of Applied Physiology</i> , 2009, 105, 279-287.	1.2	36
67	S12.44 Mitochondrial function in lamb as a consequence of maternal caloric restriction during pregnancy and high-fat-high-carbohydrate diet post partum. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S86.	0.5	0