

# Anne Brunet

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

34,818  
citations

12597

71  
h-index

25983

112  
g-index

138  
all docs

138  
docs citations

138  
times ranked

45457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Meeting Report: Aging Research and Drug Discovery. <i>Aging</i> , 2022, 14, 530-543.	1.4	4
2	Long life depends on open communication. <i>Nature Cell Biology</i> , 2022, 24, 808-810.	4.6	0
3	Unwanted help from T cells in the aging central nervous system. <i>Nature Aging</i> , 2021, 1, 330-331.	5.3	2
4	In-depth triacylglycerol profiling using MS3 Q-Trap mass spectrometry. <i>Analytica Chimica Acta</i> , 2021, 1184, 339023.	2.6	4
5	Aging and Rejuvenation of Neural Stem Cells and Their Niches. <i>Cell Stem Cell</i> , 2020, 27, 202-223.	5.2	118
6	Changes in regeneration-responsive enhancers shape regenerative capacities in vertebrates. <i>Science</i> , 2020, 369, .	6.0	147
7	Cell-Type-Specific Metabolic Profiling Achieved by Combining Desorption Electrospray Ionization Mass Spectrometry Imaging and Immunofluorescence Staining. <i>Analytical Chemistry</i> , 2020, 92, 13281-13289.	3.2	31
8	Old and new models for the study of human ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 491-493.	16.1	17
9	Vertebrate diapause preserves organisms long term through Polycomb complex members. <i>Science</i> , 2020, 367, 870-874.	6.0	79
10	Personal aging markers and ageotypes revealed by deep longitudinal profiling. <i>Nature Medicine</i> , 2020, 26, 83-90.	15.2	225
11	Support cells in the brain promote longevity. <i>Science</i> , 2020, 367, 365-366.	6.0	2
12	Differentiation Drives Widespread Rewiring of the Neural Stem Cell Chaperone Network. <i>Molecular Cell</i> , 2020, 78, 329-345.e9.	4.5	66
13	Development of the African Killifish as a New Model to Study Aging and Suspended animation. <i>Innovation in Aging</i> , 2020, 4, 743-743.	0.0	0
14	Epigenetics and Aging in Killifish. <i>Innovation in Aging</i> , 2020, 4, 742-742.	0.0	0
15	Single-cell analysis reveals T cell infiltration in old neurogenic niches. <i>Nature</i> , 2019, 571, 205-210.	13.7	351
16	The Genetics of Aging: A Vertebrate Perspective. <i>Cell</i> , 2019, 177, 200-220.	13.5	177
17	Remodeling of epigenome and transcriptome landscapes with aging in mice reveals widespread induction of inflammatory responses. <i>Genome Research</i> , 2019, 29, 697-709.	2.4	234
18	Heterogeneity in old fibroblasts is linked to variability in reprogramming and wound healing. <i>Nature</i> , 2019, 574, 553-558.	13.7	187

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19	Turning back time with emerging rejuvenation strategies. <i>Nature Cell Biology</i> , 2019, 21, 32-43.	4.6	120
20	Linking Lipid Metabolism to Chromatin Regulation in Aging. <i>Trends in Cell Biology</i> , 2019, 29, 97-116.	3.6	96
21	Self-sperm induce resistance to the detrimental effects of sexual encounters with males in hermaphroditic nematodes. <i>ELife</i> , 2019, 8, .	2.8	20
22	Same path, different beginnings. <i>Nature Neuroscience</i> , 2018, 21, 159-160.	7.1	1
23	The African turquoise killifish: A research organism to study vertebrate aging and diapause. <i>Aging Cell</i> , 2018, 17, e12757.	3.0	118
24	Lysosome activation clears aggregates and enhances quiescent neural stem cell activation during aging. <i>Science</i> , 2018, 359, 1277-1283.	6.0	374
25	Cross-Platform Comparison of Untargeted and Targeted Lipidomics Approaches on Aging Mouse Plasma. <i>Scientific Reports</i> , 2018, 8, 17747.	1.6	81
26	The genome of <i>Austrofundulus limnaeus</i> offers insights into extreme vertebrate stress tolerance and embryonic development. <i>BMC Genomics</i> , 2018, 19, 155.	1.2	21
27	Loss of CaMKI Function Disrupts Salt Aversive Learning in <i>C. elegans</i> . <i>Journal of Neuroscience</i> , 2018, 38, 6114-6129.	1.7	18
28	Single-Cell Transcriptomic Analysis Defines Heterogeneity and Transcriptional Dynamics in the Adult Neural Stem Cell Lineage. <i>Cell Reports</i> , 2017, 18, 777-790.	2.9	270
29	Interaction between epigenetic and metabolism in aging stem cells. <i>Current Opinion in Cell Biology</i> , 2017, 45, 1-7.	2.6	62
30	Progranulin, lysosomal regulation and neurodegenerative disease. <i>Nature Reviews Neuroscience</i> , 2017, 18, 325-333.	4.9	201
31	AMPK-LDH pathway regulates muscle stem cell self-renewal by controlling metabolic homeostasis. <i>EMBO Journal</i> , 2017, 36, 1946-1962.	3.5	95
32	Mono-unsaturated fatty acids link H3K4me3 modifiers to <i>C. elegans</i> lifespan. <i>Nature</i> , 2017, 544, 185-190.	13.7	245
33	Dynamic landscape and regulation of RNA editing in mammals. <i>Nature</i> , 2017, 550, 249-254.	13.7	495
34	Chromatin accessibility dynamics reveal novel functional enhancers in <i>C. elegans</i> . <i>Genome Research</i> , 2017, 27, 2096-2107.	2.4	142
35	Non-model model organisms. <i>BMC Biology</i> , 2017, 15, 55.	1.7	164
36	FoxO3 regulates neuronal reprogramming of cells from postnatal and aging mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8514-8519.	3.3	24

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37	Bursts of Reprogramming: A Path to Extend Lifespan?. Cell, 2016, 167, 1672-1674.	13.5	8
38	Efficient genome engineering approaches for the short-lived African turquoise killifish. Nature Protocols, 2016, 11, 2010-2028.	5.5	68
39	Characterization of the direct targets of <scp>FOXO</scp> transcription factors throughout evolution. Aging Cell, 2016, 15, 673-685.	3.0	177
40	The Aging Epigenome. Molecular Cell, 2016, 62, 728-744.	4.5	362
41	Deconstructing Dietary Restriction: A Case for Systems Approaches in Aging. Cell Metabolism, 2016, 23, 395-396.	7.2	2
42	AMPK: An Energy-Sensing Pathway with Multiple Inputs and Outputs. Trends in Cell Biology, 2016, 26, 190-201.	3.6	695
43	AMP-Activated Protein Kinase Directly Phosphorylates and Destabilizes Hedgehog Pathway Transcription Factor GLI1 in Medulloblastoma. Cell Reports, 2015, 12, 599-609.	2.9	73
44	The African Turquoise Killifish: A Model for Exploring Vertebrate Aging and Diseases in the Fast Lane. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 275-279.	2.0	37
45	Stem Cell Aging and Sex: Are We Missing Something?. Cell Stem Cell, 2015, 16, 588-590.	5.2	21
46	The African Turquoise Killifish Genome Provides Insights into Evolution and Genetic Architecture of Lifespan. Cell, 2015, 163, 1539-1554.	13.5	200
47	Women in Metabolism: Part 3. Cell Metabolism, 2015, 22, 949-953.	7.2	0
48	Lysosomal lipid lengthens life span. Science, 2015, 347, 32-33.	6.0	11
49	A Platform for Rapid Exploration of Aging and Diseases in a Naturally Short-Lived Vertebrate. Cell, 2015, 160, 1013-1026.	13.5	199
50	Lipid Profiles and Signals for Long Life. Trends in Endocrinology and Metabolism, 2015, 26, 589-592.	3.1	36
51	Identification of AMPK Phosphorylation Sites Reveals a Network of Proteins Involved in Cell Invasion and Facilitates Large-Scale Substrate Prediction. Cell Metabolism, 2015, 22, 907-921.	7.2	149
52	Shockingly Early: Chromatin-Mediated Loss of the Heat Shock Response. Molecular Cell, 2015, 59, 515-516.	4.5	2
53	Epigenetic regulation of ageing: linking environmental inputs to genomic stability. Nature Reviews Molecular Cell Biology, 2015, 16, 593-610.	16.1	515
54	High telomerase is a hallmark of undifferentiated spermatogonia and is required for maintenance of male germline stem cells. Genes and Development, 2015, 29, 2420-2434.	2.7	56

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55	Inhibition of Pluripotency Networks by the Rb Tumor Suppressor Restricts Reprogramming and Tumorigenesis. <i>Cell Stem Cell</i> , 2015, 16, 39-50.	5.2	166
56	Longevity Pathways in Mammalian Stem Cells. <i>Annual Review of Gerontology and Geriatrics</i> , 2014, 34, 1-39.	0.5	1
57	FOXO transcription factors: key regulators of cellular quality control. <i>Trends in Biochemical Sciences</i> , 2014, 39, 159-169.	3.7	450
58	Epigenetics of Aging and Aging-related Disease. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, S17-S20.	1.7	200
59	Sex specificity in the blood. <i>Nature</i> , 2014, 505, 488-489.	13.7	10
60	Males Shorten the Life Span of <i>C. elegans</i> Hermaphrodites via Secreted Compounds. <i>Science</i> , 2014, 343, 541-544.	6.0	150
61	Geroscience: Linking Aging to Chronic Disease. <i>Cell</i> , 2014, 159, 709-713.	13.5	1,709
62	H3K4me3 Breadth Is Linked to Cell Identity and Transcriptional Consistency. <i>Cell</i> , 2014, 158, 673-688.	13.5	404
63	FOXO3 Promotes Quiescence in Adult Muscle Stem Cells during the Process of Self-Renewal. <i>Stem Cell Reports</i> , 2014, 2, 414-426.	2.3	156
64	FOXO flips the longevity SWItch. <i>Nature Cell Biology</i> , 2013, 15, 444-446.	4.6	9
65	Hierarchical Mechanisms for Direct Reprogramming of Fibroblasts to Neurons. <i>Cell</i> , 2013, 155, 621-635.	13.5	531
66	FOXO3 Shares Common Targets with ASCL1 Genome-wide and Inhibits ASCL1-Dependent Neurogenesis. <i>Cell Reports</i> , 2013, 4, 477-491.	2.9	139
67	Bridging the transgenerational gap with epigenetic memory. <i>Trends in Genetics</i> , 2013, 29, 176-186.	2.9	198
68	Expansion of oligodendrocyte progenitor cells following SIRT1 inactivation in the adult brain. <i>Nature Cell Biology</i> , 2013, 15, 614-624.	4.6	133
69	Chromatin Modifications as Determinants of Muscle Stem Cell Quiescence and Chronological Aging. <i>Cell Reports</i> , 2013, 4, 189-204.	2.9	463
70	FoxO6 regulates memory consolidation and synaptic function. <i>Genes and Development</i> , 2012, 26, 2780-2801.	2.7	116
71	Epigenetic memory of longevity in <i>Caenorhabditis elegans</i> . <i>Worm</i> , 2012, 1, 77-81.	1.0	13
72	Histone methylation makes its mark on longevity. <i>Trends in Cell Biology</i> , 2012, 22, 42-49.	3.6	168

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73	Energy metabolism and energy-sensing pathways in mammalian embryonic and adult stem cell fate. <i>Journal of Cell Science</i> , 2012, 125, 5597-5608.	1.2	153
74	Aging and reprogramming: a two-way street. <i>Current Opinion in Cell Biology</i> , 2012, 24, 744-756.	2.6	136
75	Methylation by Set9 modulates FoxO3 stability and transcriptional activity. <i>Aging</i> , 2012, 4, 462-479.	1.4	76
76	Unbiased identification of novel AMPK substrates by chemical genetics. <i>FASEB Journal</i> , 2012, 26, 471.1.	0.2	0
77	A CRTCal Link between Energy and Life Span. <i>Cell Metabolism</i> , 2011, 13, 358-360.	7.2	3
78	Chemical Genetic Screen for AMPK±2 Substrates Uncovers a Network of Proteins Involved in Mitosis. <i>Molecular Cell</i> , 2011, 44, 878-892.	4.5	232
79	Energy metabolism in adult neural stem cell fate. <i>Progress in Neurobiology</i> , 2011, 93, 182-203.	2.8	253
80	The H3K27 demethylase UTX±1 regulates <i>C.Âelegans</i> lifespan in a germline±independent, insulin±dependent manner. <i>Aging Cell</i> , 2011, 10, 980-990.	3.0	207
81	Transgenerational epigenetic inheritance of longevity in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2011, 479, 365-371.	13.7	562
82	MicroRNA programs in normal and aberrant stem and progenitor cells. <i>Genome Research</i> , 2011, 21, 798-810.	2.4	61
83	Transposon-Mediated Transgenesis in the Short-Lived African Killifish <i>Nothobranchius furzeri</i> , a Vertebrate Model for Aging. <i>G3: Genes, Genomes, Genetics</i> , 2011, 1, 531-538.	0.8	92
84	The microRNA cluster miR-106b±25 regulates adult neural stem/progenitor cell proliferation and neuronal differentiation. <i>Aging</i> , 2011, 3, 108-124.	1.4	193
85	Members of the H3K4 trimethylation complex regulate lifespan in a germline-dependent manner in <i>C. elegans</i> . <i>Nature</i> , 2010, 466, 383-387.	13.7	468
86	A FOXO±Pak1 transcriptional pathway controls neuronal polarity. <i>Genes and Development</i> , 2010, 24, 799-813.	2.7	83
87	Mapping Loci Associated With Tail Color and Sex Determination in the Short-Lived Fish <i>Nothobranchius furzeri</i> . <i>Genetics</i> , 2009, 183, 1385-1395.	1.2	67
88	When restriction is good. <i>Nature</i> , 2009, 458, 713-714.	13.7	10
89	AMP±activated Protein Kinase and FoxO Transcription Factors in Dietary Restriction±induced Longevity. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 688-692.	1.8	112
90	Different dietary restriction regimens extend lifespan by both independent and overlapping genetic pathways in <i>C. elegans</i> . <i>Aging Cell</i> , 2009, 8, 113-127.	3.0	518

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91	FoxO3 Regulates Neural Stem Cell Homeostasis. <i>Cell Stem Cell</i> , 2009, 5, 527-539.	5.2	526
92	FoxO transcription factors in the maintenance of cellular homeostasis during aging. <i>Current Opinion in Cell Biology</i> , 2008, 20, 126-136.	2.6	519
93	Signaling networks in aging. <i>Journal of Cell Science</i> , 2008, 121, 407-412.	1.2	88
94	The Energy Sensor AMP-activated Protein Kinase Directly Regulates the Mammalian FOXO3 Transcription Factor. <i>Journal of Biological Chemistry</i> , 2007, 282, 30107-30119.	1.6	691
95	From stem to stern. <i>Nature</i> , 2007, 449, 288-291.	13.7	39
96	Aging and cancer: killing two birds with one worm. <i>Nature Genetics</i> , 2007, 39, 1306-1307.	9.4	4
97	FOXO transcription factors. <i>Current Biology</i> , 2007, 17, R113-R114.	1.8	219
98	An AMPK-FOXO Pathway Mediates Longevity Induced by a Novel Method of Dietary Restriction in <i>C. elegans</i> . <i>Current Biology</i> , 2007, 17, 1646-1656.	1.8	701
99	FOXO transcription factors at the interface between longevity and tumor suppression. <i>Oncogene</i> , 2005, 24, 7410-7425.	2.6	1,135
100	Stress-Dependent Regulation of FOXO Transcription Factors by the SIRT1 Deacetylase. <i>Science</i> , 2004, 303, 2011-2015.	6.0	2,913
101	PEA-15 Binding to ERK1/2 MAPKs Is Required for Its Modulation of Integrin Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 52587-52597.	1.6	52
102	14-3-3 transits to the nucleus and participates in dynamic nucleocytoplasmic transport. <i>Journal of Cell Biology</i> , 2002, 156, 817-828.	2.3	501
103	DNA Repair Pathway Stimulated by the Forkhead Transcription Factor FOXO3a Through the Gadd45 Protein. <i>Science</i> , 2002, 296, 530-534.	6.0	788
104	Transcription-dependent and -independent control of neuronal survival by the PI3K/Akt signaling pathway. <i>Current Opinion in Neurobiology</i> , 2001, 11, 297-305.	2.0	1,098
105	Protein Kinase SGK Mediates Survival Signals by Phosphorylating the Forkhead Transcription Factor FKHL1 (FOXO3a). <i>Molecular and Cellular Biology</i> , 2001, 21, 952-965.	1.1	775
106	Substrate Recognition Domains within Extracellular Signal-regulated Kinase Mediate Binding and Catalytic Activation of Mitogen-activated Protein Kinase Phosphatase-3. <i>Journal of Biological Chemistry</i> , 2000, 275, 24613-24621.	1.6	88
107	Cell Survival Promoted by the Ras-MAPK Signaling Pathway by Transcription-Dependent and -Independent Mechanisms. <i>Science</i> , 1999, 286, 1358-1362.	6.0	1,741
108	Akt Promotes Cell Survival by Phosphorylating and Inhibiting a Forkhead Transcription Factor. <i>Cell</i> , 1999, 96, 857-868.	13.5	5,895

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109	Inhibition of the Mitogen-activated Protein Kinase Pathway Triggers B16 Melanoma Cell Differentiation. <i>Journal of Biological Chemistry</i> , 1998, 273, 9966-9970.	1.6	172
110	Growth Factor-induced p42/p44 MAPK Nuclear Translocation and Retention Requires Both MAPK Activation and Neosynthesis of Nuclear Anchoring Proteins. <i>Journal of Cell Biology</i> , 1998, 142, 625-633.	2.3	201
111	The Dual Specificity Mitogen-activated Protein Kinase Phosphatase-1 and -2 Are Induced by the p42/p44MAPK Cascade. <i>Journal of Biological Chemistry</i> , 1997, 272, 1368-1376.	1.6	330
112	Cyclin D1 Expression Is Regulated Positively by the p42/p44 and Negatively by the p38/HOG Pathway. <i>Journal of Biological Chemistry</i> , 1996, 271, 20608-20616.	1.6	1,103
113	The Mouse p44 Mitogen-activated Protein Kinase (Extracellular Signal-regulated Kinase 1) Gene. <i>Journal of Biological Chemistry</i> , 1995, 270, 26986-26992.	1.6	61