Toren Finkel

List of Publications by Citations

180 papers	46,969 citations	84 h-index	199 g-index
199 ext. papers	51,948 ext. citations	16.2 avg, IF	7.99 L-index

#	Paper	IF	Citations
180	Oxidants, oxidative stress and the biology of ageing. *Nature*, **2000**, 408, 239-47	50.4	6859
179	Mitochondria, oxidants, and aging. *Cell*, **2005**, 120, 483-95	56.2	3121
178	Circulating endothelial progenitor cells, vascular function, and cardiovascular risk. *New England Journal of Medicine*, **2003**, 348, 593-600	59.2	2912
177	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	11.2	2783
176	Signal transduction by reactive oxygen species. *Journal of Cell Biology*, **2011**, 194, 7-15	7.3	1518
175	Cellular mechanisms and physiological consequences of redox-dependent signalling. *Nature Reviews Molecular Cell Biology*, **2014**, 15, 411-21	48.7	1221
174	Oxidant signals and oxidative stress. *Current Opinion in Cell Biology*, **2003**, 15, 247-54	9	1166
173	53BP1 inhibits homologous recombination in Brca1-deficient cells by blocking resection of DNA breaks. *Cell*, **2010**, 141, 243-54	56.2	1147
172	Recent progress in the biology and physiology of sirtuins. *Nature*, **2009**, 460, 587-91	50.4	1133
171	A role for the NAD-dependent deacetylase Sirt1 in the regulation of autophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 3374-9	11.5	1079
170	Oxygen radicals and signaling. *Current Opinion in Cell Biology*, **1998**, 10, 248-53	9	960
169	A role for the mitochondrial deacetylase Sirt3 in regulating energy homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 14447-52	11.5	943
168	SIRT1 functionally interacts with the metabolic regulator and transcriptional coactivator PGC-1{alpha}. *Journal of Biological Chemistry*, **2005**, 280, 16456-60	5.4	798
167	The common biology of cancer and ageing. *Nature*, **2007**, 448, 767-74	50.4	781
166	Redox regulation of forkhead proteins through a p66shc-dependent signaling pathway. *Science*, **2002**, 295, 2450-2	33.3	728
165	The Mitochondrial Basis of Aging. *Molecular Cell*, **2016**, 61, 654-666	17.6	657
164	Redox-based regulation of signal transduction: principles, pitfalls, and promises. *Free Radical Biology and Medicine*, **2008**, 45, 1-17	7.8	617

163	Human mesenchymal stem cells exert potent antitumorigenic effects in a model of Kaposi's sarcoma. *Journal of Experimental Medicine*, **2006**, 203, 1235-47	16.6	607
162	Augmented Wnt signaling in a mammalian model of accelerated aging. *Science*, **2007**, 317, 803-6	33.3	599
161	Nutrient availability regulates SIRT1 through a forkhead-dependent pathway. *Science*, **2004**, 306, 2105-8	33.3	569
160	Inhibiting glycolytic metabolism enhances CD8+ T cell memory and antitumor function. *Journal of Clinical Investigation*, **2013**, 123, 4479-88	15.9	535
159	Ras proteins induce senescence by altering the intracellular levels of reactive oxygen species. *Journal of Biological Chemistry*, **1999**, 274, 7936-40	5.4	497
158	Biological and biochemical properties of human rasH genes mutated at codon 61. *Cell*, **1986**, 44, 167-76	56.2	481
157	The mammalian target of rapamycin (mTOR) pathway regulates mitochondrial oxygen consumption and oxidative capacity. *Journal of Biological Chemistry*, **2006**, 281, 27643-52	5.4	465
156	The physiological role of mitochondrial calcium revealed by mice lacking the mitochondrial calcium uniporter. *Nature Cell Biology*, **2013**, 15, 1464-72	23.4	456
155	Redox-dependent signal transduction. *FEBS Letters*, **2000**, 476, 52-4	3.8	431
154	Mitohormesis. *Cell Metabolism*, **2014**, 19, 757-66	24.6	420
153	Protection from obesity and diabetes by blockade of TGF-β/Smad3 signaling. *Cell Metabolism*, **2011**, 14, 67-79	24.6	418
152	Association between prior cytomegalovirus infection and the risk of restenosis after coronary atherectomy. *New England Journal of Medicine*, **1996**, 335, 624-30	59.2	390
151	Measuring In Vivo Mitophagy. *Molecular Cell*, **2015**, 60, 685-96	17.6	379
150	Bmi1 regulates mitochondrial function and the DNA damage response pathway. *Nature*, **2009**, 459, 387-392	38.4	379
149	Interactions between E2F1 and SirT1 regulate apoptotic response to DNA damage. *Nature Cell Biology*, **2006**, 8, 1025-31	23.4	366
148	Redox-dependent transcriptional regulation. *Circulation Research*, **2005**, 97, 967-74	15.7	359
147	Role for mitochondrial oxidants as regulators of cellular metabolism. *Molecular and Cellular Biology*, **2000**, 20, 7311-8	4.8	323
146	Endothelial progenitor cells. *Annual Review of Medicine*, **2005**, 56, 79-101	17.4	315

145	Interplay among BRCA1, SIRT1, and Survivin during BRCA1-associated tumorigenesis. *Molecular Cell* , **2008**, 32, 11-20	17.6	294
144	Signal transduction by mitochondrial oxidants. *Journal of Biological Chemistry*, **2012**, 287, 4434-40	5.4	266
143	Free radicals and senescence. *Experimental Cell Research*, **2008**, 314, 1918-22	4.2	240
142	Atg7 modulates p53 activity to regulate cell cycle and survival during metabolic stress. *Science*, **2012**, 336, 225-8	33.3	234
141	A selective requirement for 53BP1 in the biological response to genomic instability induced by Brca1 deficiency. *Molecular Cell*, **2009**, 35, 534-41	17.6	223
140	The metabolic regulation of aging. *Nature Medicine*, **2015**, 21, 1416-23	50.5	217
139	Metabolic regulation by the mitochondrial phosphatase PTPMT1 is required for hematopoietic stem cell differentiation. *Cell Stem Cell*, **2013**, 12, 62-74	18	211
138	Mitochondrial Membrane Potential Identifies Cells with Enhanced Stemness for Cellular Therapy. *Cell Metabolism*, **2016**, 23, 63-76	24.6	210
137	The ClinSeq Project: piloting large-scale genome sequencing for research in genomic medicine. *Genome Research*, **2009**, 19, 1665-74	9.7	209
136	Granulocyte colony-stimulating factor mobilizes functional endothelial progenitor cells in patients with coronary artery disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2005**, 25, 296-301	9.4	207
135	Identification of oxidant-sensitive proteins: TNF-alpha induces protein glutathiolation. *Biochemistry* , **2000**, 39, 11121-8	3.2	207
134	Signal transduction by reactive oxygen species in non-phagocytic cells. *Journal of Leukocyte Biology*, **1999**, 65, 337-40	6.5	207
133	Cyclin B1/Cdk1 coordinates mitochondrial respiration for cell-cycle G2/M progression. *Developmental Cell*, **2014**, 29, 217-32	10.2	201
132	Radical medicine: treating ageing to cure disease. *Nature Reviews Molecular Cell Biology*, **2005**, 6, 971-6	48.7	199
131	T cell stemness and dysfunction in tumors are triggered by a common mechanism. *Science*, **2019**, 363,	33.3	196
130	Celastrol Protects against Obesity and Metabolic Dysfunction through Activation of a HSF1-PGC1 Transcriptional Axis. *Cell Metabolism*, **2015**, 22, 695-708	24.6	194
129	Regulation of autophagy by the p300 acetyltransferase. *Journal of Biological Chemistry*, **2009**, 284, 6322-8	34	189
128	Endothelial to Mesenchymal Transition in Cardiovascular Disease: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2019**, 73, 190-209	15.1	189

127	Fatty acid oxidation in macrophage polarization. *Nature Immunology*, **2016**, 17, 216-7	19.1	175
126	Redox regulation of Cdc25C. *Journal of Biological Chemistry*, **2002**, 277, 20535-40	5.4	171
125	Autophagy regulates endothelial cell processing, maturation and secretion of von Willebrand factor. *Nature Medicine*, **2013**, 19, 1281-7	50.5	167
124	A role for reactive oxygen species in endothelial cell anoikis. *Circulation Research*, **1999**, 85, 304-10	15.7	161
123	Tumorigenesis in tuberous sclerosis complex is autophagy and p62/sequestosome 1 (SQSTM1)-dependent. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 12455-60	11.5	159
122	The role of autophagy in vascular biology. *Circulation Research*, **2015**, 116, 480-8	15.7	155
121	Homocysteine accelerates endothelial cell senescence. *FEBS Letters*, **2000**, 470, 20-4	3.8	153
120	Mitochondrial metabolism modulates differentiation and teratoma formation capacity in mouse embryonic stem cells. *Journal of Biological Chemistry*, **2008**, 283, 28506-12	5.4	147
119	Xanthine oxidoreductase is a regulator of adipogenesis and PPARgamma activity. *Cell Metabolism*, **2007**, 5, 115-28	24.6	142
118	Vascular effects following homozygous disruption of p47(phox) : An essential component of NADPH oxidase. *Circulation*, **2000**, 101, 1234-6	16.7	140
117	MICU1 Serves as a Molecular Gatekeeper to Prevent In Vivo Mitochondrial Calcium Overload. *Cell Reports*, **2016**, 16, 1561-1573	10.6	140
116	Oxidants painting the cysteine chapel: redox regulation of PTPs. *Developmental Cell*, **2002**, 2, 251-2	10.2	139
115	The ins and outs of mitochondrial calcium. *Circulation Research*, **2015**, 116, 1810-9	15.7	137
114	Activation of ras genes in human tumors does not affect localization, modification, or nucleotide binding properties of p21. *Cell*, **1984**, 37, 151-8	56.2	137
113	The role of mitochondria in aging. *Journal of Clinical Investigation*, **2018**, 128, 3662-3670	15.9	137
112	Key proteins and pathways that regulate lifespan. *Journal of Biological Chemistry*, **2017**, 292, 6452-6460	5.4	131
111	Wnt signaling regulates hepatic metabolism. *Science Signaling*, **2011**, 4, ra6	8.8	129
110	A fluorescence-based imaging method to measure in vitro and in vivo mitophagy using mt-Keima. *Nature Protocols*, **2017**, 12, 1576-1587	18.8	123

109	The NAD-dependent deacetylase SIRT2 is required for programmed necrosis. *Nature*, **2012**, 492, 199-204	50.4	122
108	Pharmacology: uncoupling the agony from ecstasy. *Nature*, **2003**, 426, 403-4	50.4	121
107	The mammalian longevity-associated gene product p66shc regulates mitochondrial metabolism. *Journal of Biological Chemistry*, **2006**, 281, 10555-60	5.4	119
106	From sulfenylation to sulfhydration: what a thiolate needs to tolerate. *Science Signaling*, **2012**, 5, pe10	8.8	116
105	The impact of aging on cardiac extracellular matrix. *GeroScience*, **2017**, 39, 7-18	8.9	109
104	Effects of human cytomegalovirus immediate-early proteins on p53-mediated apoptosis in coronary artery smooth muscle cells. *Circulation*, **1999**, 99, 1656-9	16.7	109
103	Identification of a specific molecular repressor of the peroxisome proliferator-activated receptor gamma Coactivator-1 alpha (PGC-1alpha). *Journal of Biological Chemistry*, **2002**, 277, 50991-5	5.4	108
102	A Metabolic Basis for Endothelial-to-Mesenchymal Transition. *Molecular Cell*, **2018**, 69, 689-698.e7	17.6	96
101	Unraveling the truth about antioxidants: ROS and disease: finding the right balance. *Nature Medicine*, **2014**, 20, 711-3	50.5	95
100	Oncogene-induced senescence results in marked metabolic and bioenergetic alterations. *Cell Cycle*, **2012**, 11, 1383-92	4.7	90
99	Regulation of cellular oncosis by uncoupling protein 2. *Journal of Biological Chemistry*, **2002**, 277, 27385-92	5.4	90
98	Assessment of cardiac function in mice lacking the mitochondrial calcium uniporter. *Journal of Molecular and Cellular Cardiology*, **2015**, 85, 178-82	5.8	86
97	SIRT1 contributes in part to cisplatin resistance in cancer cells by altering mitochondrial metabolism. *Molecular Cancer Research*, **2008**, 6, 1499-506	6.6	84
96	Key tissue targets responsible for anthrax-toxin-induced lethality. *Nature*, **2013**, 501, 63-8	50.4	83
95	Phosphorylation of p66Shc and forkhead proteins mediates Abeta toxicity. *Journal of Cell Biology*, **2005**, 169, 331-9	7.3	83
94	Superoxide-mediated actin response in post-hypoxic endothelial cells. *Journal of Biological Chemistry*, **1996**, 271, 26863-7	5.4	82
93	Xanthine oxidoreductase is an endogenous regulator of cyclooxygenase-2. *Circulation Research*, **2004**, 95, 1118-24	15.7	80
92	Coordination of mitochondrial bioenergetics with G1 phase cell cycle progression. *Cell Cycle*, **2008**, 7, 1782-7	4.7	79

91	VEGF stimulates MAPK through a pathway that is unique for receptor tyrosine kinases. *Biochemical and Biophysical Research Communications*, **1999**, 255, 545-8	3.4	79
90	The basis of molecular strategies for treating coronary restenosis after angioplasty. *Journal of the American College of Cardiology*, **1994**, 23, 1278-88	15.1	76
89	Unresolved questions from the analysis of mice lacking MCU expression. *Biochemical and Biophysical Research Communications*, **2014**, 449, 384-5	3.4	73
88	The actin cytoskeleton reorganization induced by Rac1 requires the production of superoxide. *Antioxidants and Redox Signaling*, **1999**, 1, 29-43	8.4	72
87	Ras regulates NFAT3 activity in cardiac myocytes. *Journal of Biological Chemistry*, **2001**, 276, 3524-30	5.4	70
86	Intact endothelial autophagy is required to maintain vascular lipid homeostasis. *Aging Cell*, **2016**, 15, 187-91	9.9	69
85	Cytomegalovirus infection of rats increases the neointimal response to vascular injury without consistent evidence of direct infection of the vascular wall. *Circulation*, **1999**, 100, 1569-75	16.7	68
84	The essential autophagy gene ATG7 modulates organ fibrosis via regulation of endothelial-to-mesenchymal transition. *Journal of Biological Chemistry*, **2015**, 290, 2547-59	5.4	66
83	A role for mitochondria as potential regulators of cellular life span. *Biochemical and Biophysical Research Communications*, **2002**, 294, 245-8	3.4	63
82	Strategic plan for lung vascular research: An NHLBI-ORDR Workshop Report. *American Journal of Respiratory and Critical Care Medicine*, **2010**, 182, 1554-62	10.2	59
81	The Krebs cycle meets the cell cycle: mitochondria and the G1-S transition. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 11825-6	11.5	55
80	Intracellular redox regulation by the family of small GTPases. *Antioxidants and Redox Signaling*, **2006**, 8, 1857-63	8.4	54
79	AMPK-mediated activation of MCU stimulates mitochondrial Ca entry to promote mitotic progression. *Nature Cell Biology*, **2019**, 21, 476-486	23.4	53
78	Xanthine oxidoreductase depletion induces renal interstitial fibrosis through aberrant lipid and purine accumulation in renal tubules. *Hypertension*, **2009**, 54, 868-76	8.5	49
77	Expression of Id1 results in apoptosis of cardiac myocytes through a redox-dependent mechanism. *Journal of Biological Chemistry*, **1998**, 273, 25922-8	5.4	48
76	Autophagy as a regulator of cardiovascular redox homeostasis. *Free Radical Biology and Medicine*, **2017**, 109, 108-113	7.8	47
75	Autophagy-dependent metabolic reprogramming sensitizes TSC2-deficient cells to the antimetabolite 6-aminonicotinamide. *Molecular Cancer Research*, **2014**, 12, 48-57	6.6	42
74	Regulation of endothelial cell adhesion by profilin. *Current Biology*, **1997**, 7, 24-30	6.3	42

73	Gene therapy for vascular disease. *FASEB Journal*, **1995**, 9, 843-51	0.9	42
72	Membrane potential, pH and the activation of surf clam oocytes. *Gamete Research*, **1980**, 3, 299-304		41
71	Inhibition of vascular smooth muscle cell proliferation and neointimal accumulation by adenovirus-mediated gene transfer of cytosine deaminase. *Circulation*, **1997**, 96, 621-7	16.7	41
70	The Intersection of Aging Biology and the Pathobiology of Lung Diseases: A Joint NHLBI/NIA Workshop. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2017**, 72, 1492-1500	6.4	40
69	Strategic Positioning and Biased Activity of the Mitochondrial Calcium Uniporter in Cardiac Muscle. *Journal of Biological Chemistry*, **2016**, 291, 23343-23362	5.4	40
68	Metabolic regulation of the cell cycle. *Current Opinion in Cell Biology*, **2013**, 25, 724-9	9	37
67	Detection of a molecular complex between ras proteins and transferrin receptor. *Cell*, **1984**, 36, 1115-21	56.2	36
66	Mitochondria as intracellular signaling platforms in health and disease. *Journal of Cell Biology*, **2020**, 219,	7.3	35
65	Cyclophilin D-mediated regulation of the permeability transition pore is altered in mice lacking the mitochondrial calcium uniporter. *Cardiovascular Research*, **2019**, 115, 385-394	9.9	35
64	Assessment of mitophagy in mt-Keima revealed an essential role of the PINK1-Parkin pathway in mitophagy induction. *FASEB Journal*, **2019**, 33, 9742-9751	0.9	33
63	Caenorhabditis elegans UCP4 protein controls complex II-mediated oxidative phosphorylation through succinate transport. *Journal of Biological Chemistry*, **2011**, 286, 37712-20	5.4	32
62	Solid tumor therapy by selectively targeting stromal endothelial cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E4079-87	11.5	29
61	Impact papers on aging in 2009. *Aging*, **2010**, 2, 111-21	5.6	29
60	A critical role of mitochondrial phosphatase Ptpmt1 in embryogenesis reveals a mitochondrial metabolic stress-induced differentiation checkpoint in embryonic stem cells. *Molecular and Cellular Biology*, **2011**, 31, 4902-16	4.8	27
59	Ablation of PPAR□n subcutaneous fat exacerbates age-associated obesity and metabolic decline. *Aging Cell*, **2018**, 17, e12721	9.9	25
58	TFEB-driven lysosomal biogenesis is pivotal for PGC1□dependent renal stress resistance. *JCI Insight*, **2019**, 5,	9.9	25
57	Metabolic Regulation of Cell Fate and Function. *Trends in Cell Biology*, **2020**, 30, 201-212	18.3	24
56	Oxidants, metabolism, and stem cell biology. *Free Radical Biology and Medicine*, **2011**, 51, 2158-62	7.8	22

55	TOR and aging: less is more. *Cell Metabolism*, **2007**, 5, 233-5	24.6	22
54	Bcl-2 regulates nonapoptotic signal transduction: inhibition of c-Jun N-terminal kinase (JNK) activation by IL-1 beta and hydrogen peroxide. *Molecular Genetics and Metabolism*, **1998**, 64, 19-24	3.7	22
53	Hepatic Gi signaling regulates whole-body glucose homeostasis. *Journal of Clinical Investigation*, **2018**, 128, 746-759	15.9	21
52	TGF-receptor 1 regulates progenitors that promote browning of white fat. *Molecular Metabolism*, **2018**, 16, 160-171	8.8	20
51	Detection and affinity purification of oxidant-sensitive proteins using biotinylated glutathione ethyl ester. *Methods in Enzymology*, **2002**, 353, 101-13	1.7	20
50	Macrophage fatty acid oxidation inhibits atherosclerosis progression. *Journal of Molecular and Cellular Cardiology*, **2019**, 127, 270-276	5.8	19
49	The In Vivo Biology of the Mitochondrial Calcium Uniporter. *Advances in Experimental Medicine and Biology*, **2017**, 982, 49-63	3.6	17
48	Stem cells and oxidants: too little of a bad thing. *Cell Metabolism*, **2013**, 18, 1-2	24.6	17
47	EMRE is essential for mitochondrial calcium uniporter activity in a mouse model. *JCI Insight*, **2020**, 5,	9.9	17
46	The role of ZKSCAN3 in the transcriptional regulation of autophagy. *Autophagy*, **2017**, 13, 1235-1238	10.2	16
45	Myocyte hypertrophy: the long and winding RhoA'd. *Journal of Clinical Investigation*, **1999**, 103, 1619-20	15.9	16
44	MitoRCA-seq reveals unbalanced cytocine to thymine transition in Polg mutant mice. *Scientific Reports*, **2015**, 5, 12049	4.9	15
43	Sequential CRISPR-Based Screens Identify LITAF and CDIP1 as the Bacillus cereus Hemolysin BL Toxin Host Receptors. *Cell Host and Microbe*, **2020**, 28, 402-410.e5	23.4	14
42	Cardiac aging and rejuvenation--a sense of humors?. *New England Journal of Medicine*, **2013**, 369, 575-6	59.2	13
41	Sensitive Measurement of Mitophagy by Flow Cytometry Using the pH-dependent Fluorescent Reporter mt-Keima. *Journal of Visualized Experiments*, **2018**,	1.6	12
40	Sonic hedgehog signaling regulates the mammalian cardiac regenerative response. *Journal of Molecular and Cellular Cardiology*, **2018**, 123, 180-184	5.8	11
39	A high-throughput screen for TMPRSS2 expression identifies FDA-approved compounds that can limit SARS-CoV-2 entry. *Nature Communications*, **2021**, 12, 3907	17.4	10
38	Reciprocal regulation of acetyl-CoA carboxylase 1 and senescence in human fibroblasts involves oxidant mediated p38 MAPK activation. *Archives of Biochemistry and Biophysics*, **2017**, 613, 12-22	4.1	9

37	Relief with rapamycin: mTOR inhibition protects against radiation-induced mucositis. *Cell Stem Cell*, **2012**, 11, 287-8	18	9
36	Preview. The Tortoise, the hare, and the FoxO. *Cell Stem Cell*, **2009**, 5, 451-2	18	8
35	Telomeres and mitochondrial function. *Circulation Research*, **2011**, 108, 903-4	15.7	8
34	Neutrophils with a license to kill: permeabilized, not stirred. *Developmental Cell*, **2003**, 4, 146-8	10.2	8
33	Regulation of the Werner helicase through a direct interaction with a subunit of protein kinase A. *FEBS Letters*, **2002**, 521, 170-4	3.8	8
32	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses. *PLoS Biology*, **2020**, 18, e3000981	9.7	8
31	The secretome mouse provides a genetic platform to delineate tissue-specific in vivo secretion. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	8
30	Kelch-like protein 42 is a profibrotic ubiquitin E3 ligase involved in systemic sclerosis. *Journal of Biological Chemistry*, **2020**, 295, 4171-4180	5.4	6
29	Effect of a histone deacetylase inhibitor on human cardiac mass. *Cardiovascular Drugs and Therapy*, **2005**, 19, 89-90	3.9	5
28	Regulation of endothelial cell adherens junctions by a Ras-dependent signal transduction pathway. *Biochemical and Biophysical Research Communications*, **1999**, 260, 371-6	3.4	5
27	The role of mitochondria in cellular senescence. *FASEB Journal*, **2021**, 35, e21991	0.9	5
26	Prioritized Research for the Prevention, Treatment, and Reversal of Chronic Disease: Recommendations From the Lifestyle Medicine Research Summit. *Frontiers in Medicine*, **2020**, 7, 585744	4.9	5
25	Fertilization in the sea urchin arbacia punctulata inhibited by fluorescein dyes: Evidence for a plasma membrane mechanism. *Gamete Research*, **1981**, 4, 219-229		4
24	The mitochondria regulation of stem cell aging. *Mechanisms of Ageing and Development*, **2020**, 191, 111334	5.6	4
23	Autophagy goes nuclear. *Nature Cell Biology*, **2020**, 22, 1159-1161	23.4	4
22	Aging: the blurry line between life and death. *Current Biology*, **2014**, 24, R610-3	6.3	3
21	Expression of Rho GTPases using adenovirus vectors. *Methods in Enzymology*, **2000**, 325, 303-14	1.7	3
20	A Fbxo48 inhibitor prevents pAMPK degradation and ameliorates insulin resistance. *Nature Chemical Biology*, **2021**, 17, 298-306	11.7	3

19	Breathing lessons: Tor tackles the mitochondria. *Aging*, **2009**, 1, 9-11	5.6	2
18	Forestalling age-impaired angiogenesis and blood flow by targeting NOX: Interplay of NOX1, IL-6, and SASP in propagating cell senescence. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
17	Genetic links between circulating cells and cardiovascular risk. *Circulation: Cardiovascular Genetics*, **2011**, 4, 218-20		1
16	Circulation research Editors' yearly report: 1999-2000. *Circulation Research*, **2000**, 87, 261-3	15.7	1
15	Identification of the transcription factor Miz1 as an essential regulator of diphthamide biosynthesis using a CRISPR-mediated genome-wide screen. *PLoS Genetics*, **2020**, 16, e1009068	6	1
14	Post-GWAS functional analysis identifies CUX1 as a regulator of p16INK4a and cellular senescence. *Nature Aging*, **2022**, 2, 140-154		1
13	Transcriptional and Proteomic Characterization of Telomere-Induced Senescence in a Human Alveolar Epithelial Cell Line. *Frontiers in Medicine*, **2021**, 8, 600626	4.9	0
12	Circulation Research Editors Yearly Report: 2002. *Circulation Research*, **2003**, 92, 121-123	15.7	
11	Circulation Research Editors Yearly Report: 2003. *Circulation Research*, **2004**, 94, 129-131	15.7	
10	Circulation Research Editors Annual Report for 2004. *Circulation Research*, **2005**, 96, 269-271	15.7	
9	Circulation Research Editors Yearly Report: 2001. *Circulation Research*, **2002**, 90, 115-117	15.7	
8	TGF- Smad3 signaling inhibition protects from obesity and diabetes through modulation of adipocyte biology. *FASEB Journal*, **2012**, 26, 877.6	0.9	
7	Disruption of Mitochondrial Phosphatase Ptpmt1 Induces Bioenergetic Stress and Differentiation Block in Hematopoietic Stem Cells. *Blood*, **2012**, 120, 857-857	2.2	
6	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses **2020**, 18, e3000981		
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