Toren Finkel

List of Publications by Year
in descending order

195 papers	56,348 citations	89 h-index	184 g-index
		4345	3844
199 all docs	199 docs citations	199 times ranked	77573 citing authors

#	Article	IF	Citations
1	Oxidants, oxidative stress and the biology of ageing. Nature, 2000, 408, 239-247.	13.7	7,920
2	Mitochondria, Oxidants, and Aging. Cell, 2005, 120, 483-495.	13.5	3,710
3	Circulating Endothelial Progenitor Cells, Vascular Function, and Cardiovascular Risk. New England Journal of Medicine, 2003, 348, 593-600.	13.9	3,249
4	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
5	Signal transduction by reactive oxygen species. Journal of Cell Biology, 2011, 194, 7-15.	2.3	1,878
6	Cellular mechanisms and physiological consequences of redox-dependent signalling. Nature Reviews Molecular Cell Biology, 2014, 15, 411-421.	16.1	1,597
7	53BP1 Inhibits Homologous Recombination in Brca1-Deficient Cells by Blocking Resection of DNA Breaks. Cell, 2010, 141, 243-254.	13.5	1,406
8	Recent progress in the biology and physiology of sirtuins. Nature, 2009, 460, 587-591.	13.7	1,329
9	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, 3374-3379.	3.3	1,290
10	Oxidant signals and oxidative stress. Current Opinion in Cell Biology, 2003, 15, 247-254.	2.6	1,265
11	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, 14447-14452.	3.3	1,136
12	Oxygen radicals and signaling. Current Opinion in Cell Biology, 1998, 10, 248-253.	2.6	1,047
13	The Mitochondrial Basis of Aging. Molecular Cell, 2016, 61, 654-666.	4.5	1,011
14	SIRT1 Functionally Interacts with the Metabolic Regulator and Transcriptional Coactivator PGC-1Î±. Journal of Biological Chemistry, 2005, 280, 16456-16460.	1.6	917
15	The common biology of cancer and ageing. Nature, 2007, 448, 767-774.	13.7	903
16	Redox Regulation of Forkhead Proteins Through a p66shc-Dependent Signaling Pathway. Science, 2002, 295, 2450-2452.	6.0	794
17	Inhibiting glycolytic metabolism enhances CD8+ T cell memory and antitumor function. Journal of Clinical Investigation, 2013, 123, 4479-4488.	3.9	719
18	Human mesenchymal stem cells exert potent antitumorigenic effects in a model of Kaposi's sarcoma. Journal of Experimental Medicine, 2006, 203, 1235-1247.	4.2	700

#	Article	IF	Citations
19	Augmented Wnt Signaling in a Mammalian Model of Accelerated Aging. Science, 2007, 317, 803-806.	6.0	683
20	Redox-based regulation of signal transduction: Principles, pitfalls, and promises. Free Radical Biology and Medicine, 2008, 45, 1-17.	1.3	681
21	Nutrient Availability Regulates SIRT1 Through a Forkhead-Dependent Pathway. Science, 2004, 306, 2105-2108.	6.0	628
22	Ras Proteins Induce Senescence by Altering the Intracellular Levels of Reactive Oxygen Species. Journal of Biological Chemistry, 1999, 274, 7936-7940.	1.6	585
23	The physiological role of mitochondrial calcium revealed by mice lacking the mitochondrial calcium uniporter. Nature Cell Biology, 2013, 15, 1464-1472.	4.6	571
24	Protection from Obesity and Diabetes by Blockade of TGF-Î²/Smad3 Signaling. Cell Metabolism, 2011, 14, 67-79.	7.2	556
25	Biological and biochemical properties of human rasH genes mutated at codon 61. Cell, 1986, 44, 167-176.	13.5	528
26	The Mammalian Target of Rapamycin (mTOR) Pathway Regulates Mitochondrial Oxygen Consumption and Oxidative Capacity. Journal of Biological Chemistry, 2006, 281, 27643-27652.	1.6	524
27	Mitohormesis. Cell Metabolism, 2014, 19, 757-766.	7.2	521
28	Measuring InÂVivo Mitophagy. Molecular Cell, 2015, 60, 685-696.	4.5	512
29	Redox-dependent signal transduction. FEBS Letters, 2000, 476, 52-54.	1.3	503
30	Association between Prior Cytomegalovirus Infection and the Risk of Restenosis after Coronary Atherectomy. New England Journal of Medicine, 1996, 335, 624-630.	13.9	444
31	Bmi1 regulates mitochondrial function and the DNA damage response pathway. Nature, 2009, 459, 387-392.	13.7	420
32	Redox-Dependent Transcriptional Regulation. Circulation Research, 2005, 97, 967-974.	2.0	402
33	Interactions between E2F1 and SirT1 regulate apoptotic response to DNA damage. Nature Cell Biology, 2006, 8, 1025-1031.	4.6	398
34	Role for Mitochondrial Oxidants as Regulators of Cellular Metabolism. Molecular and Cellular Biology, 2000, 20, 7311-7318.	1.1	360
35	Endothelial to Mesenchymal Transition inÂCardiovascular Disease. Journal of the American College of Cardiology, 2019, 73, 190-209.	1.2	357
36	T cell stemness and dysfunction in tumors are triggered by a common mechanism. Science, 2019, 363, .	6.0	355

#	Article	IF	Citations
37	Endothelial Progenitor Cells. Annual Review of Medicine, 2005, 56, 79-101.	5.0	338
38	Interplay among BRCA1, SIRT1, and Survivin during BRCA1-Associated Tumorigenesis. Molecular Cell, 2008, 32, 11-20.	4.5	334
39	Signal Transduction by Mitochondrial Oxidants. Journal of Biological Chemistry, 2012, 287, 4434-4440.	1.6	332
40	Atg7 Modulates p53 Activity to Regulate Cell Cycle and Survival During Metabolic Stress. Science, 2012, 336, 225-228.	6.0	299
41	Cyclin B1/Cdk1 Coordinates Mitochondrial Respiration for Cell-Cycle G2/M Progression. Developmental Cell, 2014, 29, 217-232.	3.1	292
42	Mitochondrial Membrane Potential Identifies Cells with Enhanced Stemness for Cellular Therapy. Cell Metabolism, 2016, 23, 63-76.	7.2	291
43	Metabolic Regulation by the Mitochondrial Phosphatase PTPMT1 Is Required for Hematopoietic Stem Cell Differentiation. Cell Stem Cell, 2013, 12, 62-74.	5.2	282
44	Fatty acid oxidation in macrophage polarization. Nature Immunology, 2016, 17, 216-217.	7.0	276
45	Free radicals and senescence. Experimental Cell Research, 2008, 314, 1918-1922.	1.2	274
46	The metabolic regulation of aging. Nature Medicine, 2015, 21, 1416-1423.	15.2	272
47	Celastrol Protects against Obesity and Metabolic Dysfunction through Activation of a HSF1-PGC1Î± Transcriptional Axis. Cell Metabolism, 2015, 22, 695-708.	7.2	272
48	The role of mitochondria in aging. Journal of Clinical Investigation, 2018, 128, 3662-3670.	3.9	269
49	A Selective Requirement for 53BP1 in the Biological Response to Genomic Instability Induced by Brca1 Deficiency. Molecular Cell, 2009, 35, 534-541.	4.5	257
50	Granulocyte Colony-Stimulating Factor Mobilizes Functional Endothelial Progenitor Cells in Patients With Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 296-301.	1.1	240
51	Signal transduction by reactive oxygen species in non-phagocytic cells. Journal of Leukocyte Biology, 1999, 65, 337-340.	1.5	236
52	The ClinSeq Project: Piloting large-scale genome sequencing for research in genomic medicine. Genome Research, 2009, 19, 1665-1674.	2.4	236
53	Regulation of Autophagy by the p300 Acetyltransferase. Journal of Biological Chemistry, 2009, 284, 6322-6328.	1.6	232
54	Radical medicine: treating ageing to cure disease. Nature Reviews Molecular Cell Biology, 2005, 6, 971-976.	16.1	226

#	Article	IF	Citations
55	The Ins and Outs of Mitochondrial Calcium. Circulation Research, 2015, 116, 1810-1819.	2.0	214
56	Identification of Oxidant-Sensitive Proteins:â€‰ TNF-Î± Induces Protein Glutathiolation. Biochemistry, 2000, 39, 11121-11128.	1.2	212
57	Autophagy regulates endothelial cell processing, maturation and secretion of von Willebrand factor. Nature Medicine, 2013, 19, 1281-1287.	15.2	212
58	A fluorescence-based imaging method to measure in vitro and in vivo mitophagy using mt-Keima. Nature Protocols, 2017, 12, 1576-1587.	5.5	207
59	Redox Regulation of Cdc25C. Journal of Biological Chemistry, 2002, 277, 20535-20540.	1.6	194
60	The Role of Autophagy in Vascular Biology. Circulation Research, 2015, 116, 480-488.	2.0	194
61	Homocysteine accelerates endothelial cell senescence. FEBS Letters, 2000, 470, 20-24.	1.3	184
62	Mitochondrial Metabolism Modulates Differentiation and Teratoma Formation Capacity in Mouse Embryonic Stem Cells. Journal of Biological Chemistry, 2008, 283, 28506-28512.	1.6	179
63	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, 12455-12460.	3.3	175
64	MICU1 Serves as a Molecular Gatekeeper to Prevent InÂVivo Mitochondrial Calcium Overload. Cell Reports, 2016, 16, 1561-1573.	2.9	175
65	A Role for Reactive Oxygen Species in Endothelial Cell Anoikis. Circulation Research, 1999, 85, 304-310.	2.0	173
66	Key proteins and pathways that regulate lifespan. Journal of Biological Chemistry, 2017, 292, 6452-6460.	1.6	173
67	Xanthine Oxidoreductase Is a Regulator of Adipogenesis and PPARÎ³ Activity. Cell Metabolism, 2007, 5, 115-128.	7.2	171
68	The impact of aging on cardiac extracellular matrix. GeroScience, 2017, 39, 7-18.	2.1	168
69	Wnt Signaling Regulates Hepatic Metabolism. Science Signaling, 2011, 4, ra6.	1.6	167
70	A Metabolic Basis for Endothelial-to-Mesenchymal Transition. Molecular Cell, 2018, 69, 689-698.e7.	4.5	164
71	Vascular Effects Following Homozygous Disruption of p47 ^{phox}. Circulation, 2000, 101, 1234-1236.	1.6	152
72	Activation of ras genes in human tumors does not affect localization, modification, or nucleotide binding properties of p21. Cell, 1984, 37, 151-158.	13.5	147

#	Article	IF	Citations
73	Oxidants Painting the Cysteine Chapel. Developmental Cell, 2002, 2, 251-252.	3.1	146
74	From Sulfenylation to Sulfhydration: What a Thiolate Needs to Tolerate. Science Signaling, 2012, 5, pe10.	1.6	140
75	The Mammalian Longevity-associated Gene Product p66 Regulates Mitochondrial Metabolism. Journal of Biological Chemistry, 2006, 281, 10555-10560.	1.6	137
76	Uncoupling the agony from ecstasy. Nature, 2003, 426, 403-404.	13.7	133
77	Identification of a Specific Molecular Repressor of the Peroxisome Proliferator-activated Receptor Î³ Coactivator-1 Î± (PGC-1Î±). Journal of Biological Chemistry, 2002, 277, 50991-50995.	1.6	131
78	The NAD-dependent deacetylase SIRT2 is required for programmed necrosis. Nature, 2012, 492, 199-204.	13.7	131
79	Effects of Human Cytomegalovirus Immediate-Early Proteins on p53-mediated Apoptosis in Coronary Artery Smooth Muscle Cells. Circulation, 1999, 99, 1656-1659.	1.6	128
80	Unraveling the Truth About Antioxidants: ROS and disease: finding the right balance. Nature Medicine, 2014, 20, 711-713.	15.2	122
81	Oncogene-induced senescence results in marked metabolic and bioenergetic alterations. Cell Cycle, 2012, 11, 1383-1392.	1.3	118
82	Assessment of cardiac function in mice lacking the mitochondrial calcium uniporter. Journal of Molecular and Cellular Cardiology, 2015, 85, 178-182.	0.9	106
83	Regulation of Cellular Oncosis by Uncoupling Protein 2. Journal of Biological Chemistry, 2002, 277, 27385-27392.	1.6	101
84	SIRT1 Contributes in Part to Cisplatin Resistance in Cancer Cells by Altering Mitochondrial Metabolism. Molecular Cancer Research, 2008, 6, 1499-1506.	1.5	101
85	Key tissue targets responsible for anthrax-toxin-induced lethality. Nature, 2013, 501, 63-68.	13.7	101
86	Intact endothelial autophagy is required to maintain vascular lipid homeostasis. Aging Cell, 2016, 15, 187-191.	3.0	99
87	AMPK-mediated activation of MCU stimulates mitochondrial Ca2+ entry to promote mitotic progression. Nature Cell Biology, 2019, 21, 476-486.	4.6	98
88	Coordination of mitochondrial bioenergetics with G₁phase cell cycle progression. Cell Cycle, 2008, 7, 1782-1787.	1.3	96
89	VEGF Stimulates MAPK through a Pathway That Is Unique for Receptor Tyrosine Kinases. Biochemical and Biophysical Research Communications, 1999, 255, 545-548.	1.0	95
90	Unresolved questions from the analysis of mice lacking MCU expression. Biochemical and Biophysical Research Communications, 2014, 449, 384-385.	1.0	93

#	Article	IF	Citations
91	Phosphorylation of p66Shc and forkhead proteins mediates AÎ² toxicity. Journal of Cell Biology, 2005, 169, 331-339.	2.3	91
92	Superoxide-mediated Actin Response in Post-hypoxic Endothelial Cells. Journal of Biological Chemistry, 1996, 271, 26863-26867.	1.6	88
93	Xanthine Oxidoreductase Is an Endogenous Regulator of Cyclooxygenase-2. Circulation Research, 2004, 95, 1118-1124.	2.0	88
94	The Essential Autophagy Gene ATG7 Modulates Organ Fibrosis via Regulation of Endothelial-to-Mesenchymal Transition. Journal of Biological Chemistry, 2015, 290, 2547-2559.	1.6	87
95	Ras Regulates NFAT3 Activity in Cardiac Myocytes. Journal of Biological Chemistry, 2001, 276, 3524-3530.	1.6	83
96	The Actin Cytoskeleton Reorganization Induced by Rac1 Requires the Production of Superoxide. Antioxidants and Redox Signaling, 1999, 1, 29-43.	2.5	82
97	The basis of molecular strategies for treating coronary restenosis after angioplasty. Journal of the American College of Cardiology, 1994, 23, 1278-1288.	1.2	81
98	Cytomegalovirus Infection of Rats Increases the Neointimal Response to Vascular Injury Without Consistent Evidence of Direct Infection of the Vascular Wall. Circulation, 1999, 100, 1569-1575.	1.6	79
99	The Krebs cycle meets the cell cycle: Mitochondria and the G ₁ â€“S transition. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11825-11826.	3.3	73
100	Strategic Plan for Lung Vascular Research. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1554-1562.	2.5	73
101	Mitochondria as intracellular signaling platforms in health and disease. Journal of Cell Biology, 2020, 219, .	2.3	72
102	Ageing and the mystery at Arles. Nature, 2004, 429, 149-152.	13.7	71
103	A role for mitochondria as potential regulators of cellular life span. Biochemical and Biophysical Research Communications, 2002, 294, 245-248.	1.0	68
104	Assessment of mitophagy in mtâ€Keima Drosophila revealed an essential role of the PINK1â€Parkin pathway in mitophagy induction in vivo. FASEB Journal, 2019, 33, 9742-9751.	0.2	67
105	Intracellular Redox Regulation by the Family of Small GTPases. Antioxidants and Redox Signaling, 2006, 8, 1857-1863.	2.5	65
106	Cyclophilin D-mediated regulation of the permeability transition pore is altered in mice lacking the mitochondrial calcium uniporter. Cardiovascular Research, 2019, 115, 385-394.	1.8	63
107	Autophagy as a regulator of cardiovascular redox homeostasis. Free Radical Biology and Medicine, 2017, 109, 108-113.	1.3	56
108	Xanthine Oxidoreductase Depletion Induces Renal Interstitial Fibrosis Through Aberrant Lipid and Purine Accumulation in Renal Tubules. Hypertension, 2009, 54, 868-876.	1.3	55

#	Article	IF	Citations
109	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.	1.7	55
110	Expression of Id1 Results in Apoptosis of Cardiac Myocytes through a Redox-dependent Mechanism. Journal of Biological Chemistry, 1998, 273, 25922-25928.	1.6	54
111	Metabolic regulation of the cell cycle. Current Opinion in Cell Biology, 2013, 25, 724-729.	2.6	52
112	Autophagy-Dependent Metabolic Reprogramming Sensitizes TSC2-Deficient Cells to the Antimetabolite 6-Aminonicotinamide. Molecular Cancer Research, 2014, 12, 48-57.	1.5	52
113	Metabolic Regulation of Cell Fate and Function. Trends in Cell Biology, 2020, 30, 201-212.	3.6	51
114	A high-throughput screen for TMPRSS2 expression identifies FDA-approved compounds that can limit SARS-CoV-2 entry. Nature Communications, 2021, 12, 3907.	5.8	50
115	Gene therapy for vascular disease. FASEB Journal, 1995, 9, 843-851.	0.2	49
116	Strategic Positioning and Biased Activity of the Mitochondrial Calcium Uniporter in Cardiac Muscle. Journal of Biological Chemistry, 2016, 291, 23343-23362.	1.6	49
117	Inhibition of Vascular Smooth Muscle Cell Proliferation and Neointimal Accumulation by Adenovirus-Mediated Gene Transfer of Cytosine Deaminase. Circulation, 1997, 96, 621-627.	1.6	49
118	Regulation of endothelial cell adhesion by profilin. Current Biology, 1997, 7, 24-30.	1.8	44
119	EMRE is essential for mitochondrial calcium uniporter activity in a mouse model. JCI Insight, 2020, 5, .	2.3	44
120	Membrane potential, pH and the activation of surf clam oocytes. Gamete Research, 1980, 3, 299-304.	1.7	42
121	A clean energy programme. Nature, 2006, 444, 151-152.	13.7	42
122	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, 4902-4916.	1.1	40
123	TFEB-driven lysosomal biogenesis is pivotal for PGC1Î±-dependent renal stress resistance. JCI Insight, 2019, 4, .	2.3	40
124	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.	3.3	39
125	Detection of a molecular complex between ras proteins and transferrin receptor. Cell, 1984, 36, 1115-1121.	13.5	38
126	Caenorhabditis elegans UCP4 Protein Controls Complex II-mediated Oxidative Phosphorylation through Succinate Transport. Journal of Biological Chemistry, 2011, 286, 37712-37720.	1.6	38

#	Article	IF	Citations
127	Prioritized Research for the Prevention, Treatment, and Reversal of Chronic Disease: Recommendations From the Lifestyle Medicine Research Summit. Frontiers in Medicine, 2020, 7, 585744.	1.2	36
128	Ablation of <scp>PPAR</scp>Î³ in subcutaneous fat exacerbates ageâ€associated obesity and metabolic decline. Aging Cell, 2018, 17, e12721.	3.0	35
129	Macrophage fatty acid oxidation inhibits atherosclerosis progression. Journal of Molecular and Cellular Cardiology, 2019, 127, 270-276.	0.9	35
130	Impact papers on aging in 2009. Aging, 2010, 2, 111-121.	1.4	35
131	Hepatic Gi signaling regulates whole-body glucose homeostasis. Journal of Clinical Investigation, 2018, 128, 746-759.	3.9	34
132	TGF-Î² receptor 1 regulates progenitors that promote browning of white fat. Molecular Metabolism, 2018, 16, 160-171.	3.0	33
133	GAPDH and the search for alternative energy. Nature Cell Biology, 2007, 9, 869-870.	4.6	29
134	The role of mitochondria in cellular senescence. FASEB Journal, 2021, 35, e21991.	0.2	29
135	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, .	3.3	26
136	A toast to long life. Nature, 2003, 425, 132-133.	13.7	25
137	The role of ZKSCAN3 in the transcriptional regulation of autophagy. Autophagy, 2017, 13, 1235-1238.	4.3	24
138	Bcl-2 Regulates Nonapoptotic Signal Transduction: Inhibition of c-Jun N-terminal Kinase (JNK) Activation by IL-1Î² and Hydrogen Peroxide. Molecular Genetics and Metabolism, 1998, 64, 19-24.	0.5	23
139	Oxidants, metabolism, and stem cell biology. Free Radical Biology and Medicine, 2011, 51, 2158-2162.	1.3	23
140	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.	5.1	23
141	TOR and Aging: Less Is More. Cell Metabolism, 2007, 5, 233-235.	7.2	22
142	The In Vivo Biology of the Mitochondrial Calcium Uniporter. Advances in Experimental Medicine and Biology, 2017, 982, 49-63.	0.8	22
143	Detection and Affinity Purification of Oxidant-Sensitive Proteins Using Biotinylated Glutathione Ethyl Ester. Methods in Enzymology, 2002, 353, 101-113.	0.4	21
144	Sonic hedgehog signaling regulates the mammalian cardiac regenerative response. Journal of Molecular and Cellular Cardiology, 2018, 123, 180-184.	0.9	21

#	Article	IF	Citations
145	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses. PLoS Biology, 2020, 18, e3000981.	2.6	20
146	Metabolism meets autophagyÂ. Cell Cycle, 2010, 9, 4780-4781.	1.3	19
147	Stem Cells and Oxidants: Too Little of a Bad Thing. Cell Metabolism, 2013, 18, 1-2.	7.2	19
148	Cardiac mitochondria: A surprise about size. Journal of Molecular and Cellular Cardiology, 2015, 82, 213-215.	0.9	19
149	MitoRCA-seq reveals unbalanced cytocine to thymine transition in Polg mutant mice. Scientific Reports, 2015, 5, 12049.	1.6	19
150	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.	1.4	18
151	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, .	3.3	18
152	Myocyte hypertrophy: the long and winding RhoAâ€™d. Journal of Clinical Investigation, 1999, 103, 1619-1620.	3.9	17
153	Cardiac Aging and Rejuvenation â€" A Sense of Humors?. New England Journal of Medicine, 2013, 369, 575-576.	13.9	16
154	A Fbxo48 inhibitor prevents pAMPKÎ± degradation and ameliorates insulin resistance. Nature Chemical Biology, 2021, 17, 298-306.	3.9	16
155	Stem cell aging: what bleach can teach. Nature Medicine, 2006, 12, 383-384.	15.2	15
156	Sensitive Measurement of Mitophagy by Flow Cytometry Using the pH-dependent Fluorescent Reporter mt-Keima. Journal of Visualized Experiments, 2018, , .	0.2	15
157	Kelch-like protein 42 is a profibrotic ubiquitin E3 ligase involved in systemic sclerosis. Journal of Biological Chemistry, 2020, 295, 4171-4180.	1.6	12
158	Regulation of the Werner helicase through a direct interaction with a subunit of protein kinase A. FEBS Letters, 2002, 521, 170-174.	1.3	11
159	Relief with Rapamycin: mTOR Inhibition Protects against Radiation-Induced Mucositis. Cell Stem Cell, 2012, 11, 287-288.	5.2	11
160	Cardiovascular disease and the biology of aging. Journal of Molecular and Cellular Cardiology, 2022, 167, 109-117.	0.9	11
161	Telomeres and Mitochondrial Function. Circulation Research, 2011, 108, 903-904.	2.0	10
162	The mitochondria regulation of stem cell aging. Mechanisms of Ageing and Development, 2020, 191, 111334.	2.2	10

#	Article	IF	Citations
163	Neutrophils with a License to Kill. Developmental Cell, 2003, 4, 146-148.	3.1	9
164	The Tortoise, the Hare, and the FoxO. Cell Stem Cell, 2009, 5, 451-452.	5.2	9
165	Transcriptional and Proteomic Characterization of Telomere-Induced Senescence in a Human Alveolar Epithelial Cell Line. Frontiers in Medicine, 2021, 8, 600626.	1.2	8
166	Thinking Globally, Acting Locally. Circulation Research, 1999, 84, 1471-1472.	2.0	7
167	Fertilization in the sea urchin arbacia punctulata inhibited by fluorescein dyes: Evidence for a plasma membrane mechanism. Gamete Research, 1981, 4, 219-229.	1.7	5
168	Regulation of Endothelial Cell Adherens Junctions by a Ras-Dependent Signal Transduction Pathway. Biochemical and Biophysical Research Communications, 1999, 260, 371-376.	1.0	5
169	Effect of a Histone Deacetylase Inhibitor on Human Cardiac Mass. Cardiovascular Drugs and Therapy, 2005, 19, 89-90.	1.3	5
170	Breathing lessons: Tor tackles the mitochondria. Aging, 2009, 1, 9-11.	1.4	5
171	Progerin modulates the IGF-1R/Akt signaling involved in aging. Science Advances, 2022, 8, .	4.7	5
172	Autophagy goes nuclear. Nature Cell Biology, 2020, 22, 1159-1161.	4.6	4
173	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.	1.5	4
174	Post-GWAS functional analysis identifies CUX1 as a regulator of p16INK4a and cellular senescence. Nature Aging, 2022, 2, 140-154.	5.3	4
175	Expression of Rho GTPases using adenovirus vectors. Methods in Enzymology, 2000, 325, 303-314.	0.4	3
176	Aging: The Blurry Line between Life and Death. Current Biology, 2014, 24, R610-R613.	1.8	3
177	Circulation Research Editorsâ€™ Yearly Report: 1999â€“2000. Circulation Research, 2000, 87, 261-263.	2.0	1
178	Under New Management. Circulation Research, 2000, 86, 111-113.	2.0	1
179	Cancer gets the Chk'ered flag. Nature Medicine, 2006, 12, 1354-1356.	15.2	1
180	Genetic Links Between Circulating Cells and Cardiovascular Risk. Circulation: Cardiovascular Genetics, 2011, 4, 218-220.	5.1	1

#	Article	IF	Citations
181	Cyclophilin D-mediated regulation of the permeability transition pore is altered in mice lacking the mitochondrial calcium uniporter. Journal of Molecular and Cellular Cardiology, 2018, 124, 122.	0.9	1
182	Circulation Research Editorsâ€™ Yearly Report: 2001. Circulation Research, 2002, 90, 115-117.	2.0	1
183	A potent tumor-selective ERK pathway inactivator with high therapeutic index. , 2022, 1, .		1
184	Circulation Research Editorsâ€™ Yearly Report: 2002. Circulation Research, 2003, 92, 121-123.	2.0	0
185	Circulation Research Editorsâ€™ Yearly Report: 2003. Circulation Research, 2004, 94, 129-131.	2.0	0
186	Circulation Research Editorsâ€™ Annual Report for 2004. Circulation Research, 2005, 96, 269-271.	2.0	0
187	TGFâ€Î²2/Smad3 signaling inhibition protects from obesity and diabetes through modulation of adipocyte biology. FASEB Journal, 2012, 26, 877.6.	0.2	0
188	Disruption of Mitochondrial Phosphatase Ptpmt1 Induces Bioenergetic Stress and Differentiation Block in Hematopoietic Stem Cells. Blood, 2012, 120, 857-857.	0.6	0
189	Synergistic treatment of TS. Oncotarget, 2017, 8, 64653-64654.	0.8	0
190	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses. , 2020, 18, e3000981.		0
191	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses. , 2020, 18, e3000981.		0
192	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses. , 2020, 18, e3000981.		0
193	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses. , 2020, 18, e3000981.		0
194	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses. , 2020, 18, e3000981.		0
195	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses. , 2020, 18, e3000981.		0