Weiqi Zhang

List of Publications by Citations

70 papers	3,074 citations	29 h-index	55 g-index
79 ext. papers	4,354 ext. citations	15.9 avg, IF	5.16 L-index

#	Paper	IF	Citations
70	Aging stem cells. A Werner syndrome stem cell model unveils heterochromatin alterations as a driver of human aging. *Science*, **2015**, 348, 1160-3	33.3	320
69	Repression of the Antioxidant NRF2 Pathway in Premature Aging. *Cell*, **2016**, 165, 1361-1374	56.2	275
68	Progressive degeneration of human neural stem cells caused by pathogenic LRRK2. *Nature*, **2012**, 491, 603-7	50.4	250
67	Generation of iPSCs from mouse fibroblasts with a single gene, Oct4, and small molecules. *Cell Research*, **2011**, 21, 196-204	24.7	247
66	SIRT6 safeguards human mesenchymal stem cells from oxidative stress by coactivating NRF2. *Cell Research*, **2016**, 26, 190-205	24.7	192
65	The ageing epigenome and its rejuvenation. *Nature Reviews Molecular Cell Biology*, **2020**, 21, 137-150	48.7	122
64	Single-Cell Transcriptomic Atlas of Primate Ovarian Aging. *Cell*, **2020**, 180, 585-600.e19	56.2	113
63	PTEN deficiency reprogrammes human neural stem cells towards a glioblastoma stem cell-like phenotype. *Nature Communications*, **2015**, 6, 10068	17.4	98
62	Caloric Restriction Reprograms the Single-Cell Transcriptional Landscape of Rattus Norvegicus Aging. *Cell*, **2020**, 180, 984-1001.e22	56.2	91
61	SIRT6 deficiency results in developmental retardation in cynomolgus monkeys. *Nature*, **2018**, 560, 661-665	50.4	91
60	Epigenetic Modifications in Cardiovascular Aging and Diseases. *Circulation Research*, **2018**, 123, 773-786	15.7	90
59	A human circulating immune cell landscape in aging and COVID-19. *Protein and Cell*, **2020**, 11, 740-770	7.2	88
58	Modelling Fanconi anemia pathogenesis and therapeutics using integration-free patient-derived iPSCs. *Nature Communications*, **2014**, 5, 4330	17.4	84
57	Chemical screen identifies a geroprotective role of quercetin in premature aging. *Protein and Cell*, **2019**, 10, 417-435	7.2	51
56	Up-regulation of FOXD1 by YAP alleviates senescence and osteoarthritis. *PLoS Biology*, **2019**, 17, e3000201	9.7	48
55	Maintenance of Nucleolar Homeostasis by CBX4 Alleviates Senescence and Osteoarthritis. *Cell Reports*, **2019**, 26, 3643-3656.e7	10.6	45
54	Vitamin C alleviates aging defects in a stem cell model for Werner syndrome. *Protein and Cell*, **2016**, 7, 478-88	7.2	43

53	Stabilizing heterochromatin by DGCR8 alleviates senescence and osteoarthritis. *Nature Communications*, **2019**, 10, 3329	17.4	41
52	FOXO3-Engineered Human ESC-Derived Vascular Cells Promote Vascular Protection and Regeneration. *Cell Stem Cell*, **2019**, 24, 447-461.e8	18	39
51	Differential stem cell aging kinetics in Hutchinson-Gilford progeria syndrome and Werner syndrome. *Protein and Cell*, **2018**, 9, 333-350	7.2	38
50	SIRT7 antagonizes human stem cell aging as a heterochromatin stabilizer. *Protein and Cell*, **2020**, 11, 483-504	7.2	37
49	Visualization of aging-associated chromatin alterations with an engineered TALE system. *Cell Research*, **2017**, 27, 483-504	24.7	36
48	A single-cell transcriptomic landscape of primate arterial aging. *Nature Communications*, **2020**, 11, 2202	17.4	36
47	ATF6 safeguards organelle homeostasis and cellular aging in human mesenchymal stem cells. *Cell Discovery*, **2018**, 4, 2	22.3	35
46	METTL3 counteracts premature aging via m6A-dependent stabilization of MIS12 mRNA. *Nucleic Acids Research*, **2020**, 48, 11083-11096	20.1	32
45	Aging Atlas: a multi-omics database for aging biology. *Nucleic Acids Research*, **2021**, 49, D825-D830	20.1	32
44	A Single-Cell Transcriptomic Atlas of Human Skin Aging. *Developmental Cell*, **2021**, 56, 383-397.e8	10.2	31
43	Single-cell transcriptomic atlas of primate cardiopulmonary aging. *Cell Research*, **2021**, 31, 415-432	24.7	31
42	Rescue of premature aging defects in Cockayne syndrome stem cells by CRISPR/Cas9-mediated gene correction. *Protein and Cell*, **2020**, 11, 1-22	7.2	29
41	Genetic enhancement in cultured human adult stem cells conferred by a single nucleotide recoding. *Cell Research*, **2017**, 27, 1178-1181	24.7	28
40	Modeling CADASIL vascular pathologies with patient-derived induced pluripotent stem cells. *Protein and Cell*, **2019**, 10, 249-271	7.2	28
39	Modeling xeroderma pigmentosum associated neurological pathologies with patients-derived iPSCs. *Protein and Cell*, **2016**, 7, 210-21	7.2	24
38	Genome-wide R-loop Landscapes during Cell Differentiation and Reprogramming. *Cell Reports*, **2020**, 32, 107870	10.6	20
37	Dynamic cell transition and immune response landscapes of axolotl limb regeneration revealed by single-cell analysis. *Protein and Cell*, **2021**, 12, 57-66	7.2	20
36	Telomere-dependent and telomere-independent roles of RAP1 in regulating human stem cell homeostasis. *Protein and Cell*, **2019**, 10, 649-667	7.2	19

35	ZKSCAN3 counteracts cellular senescence by stabilizing heterochromatin. *Nucleic Acids Research*, **2020**, 48, 6001-6018	20.1	19
34	Low-dose quercetin positively regulates mouse healthspan. *Protein and Cell*, **2019**, 10, 770-775	7.2	19
33	Generation of a Hutchinson-Gilford progeria syndrome monkey model by base editing. *Protein and Cell*, **2020**, 11, 809-824	7.2	18
32	Stabilization of heterochromatin by CLOCK promotes stem cell rejuvenation and cartilage regeneration. *Cell Research*, **2021**, 31, 187-205	24.7	18
31	A genome-wide CRISPR-based screen identifies as a driver of cellular senescence. *Science Translational Medicine*, **2021**, 13,	17.5	16
30	SIRT3 consolidates heterochromatin and counteracts senescence. *Nucleic Acids Research*, **2021**, 49, 4203-4219	20.1	15
29	CRISPR/Cas9-mediated gene knockout reveals a guardian role of NF-B/RelA in maintaining the homeostasis of human vascular cells. *Protein and Cell*, **2018**, 9, 945-965	7.2	15
28	A single-cell transcriptomic atlas of primate pancreatic islet aging. *National Science Review*, **2021**, 8, nwaa127	16.7	12
27	Concealing cellular defects in pluripotent stem cells. *Trends in Cell Biology*, **2013**, 23, 587-92	18.3	11
26	Ectopic hTERT expression facilitates reprograming of fibroblasts derived from patients with Werner syndrome as a WS cellular model. *Cell Death and Disease*, **2018**, 9, 923	9.8	10
25	A widely adaptable approach to generate integration-free iPSCs from non-invasively acquired human somatic cells. *Protein and Cell*, **2015**, 6, 386-9	7.2	9
24	DJ-1 is dispensable for human stem cell homeostasis. *Protein and Cell*, **2019**, 10, 846-853	7.2	9
23	A single-cell transcriptomic landscape of the lungs of patients with COVID-19. *Nature Cell Biology*, **2021**,	23.4	9
22	FOXO3-engineered human mesenchymal progenitor cells efficiently promote cardiac repair after myocardial infarction. *Protein and Cell*, **2021**, 12, 145-151	7.2	8
21	Deciphering primate retinal aging at single-cell resolution. *Protein and Cell*, **2021**, 12, 889-898	7.2	7
20	ALKBH1 deficiency leads to loss of homeostasis in human diploid somatic cells. *Protein and Cell*, **2020**, 11, 688-695	7.2	6
19	Single-nucleus transcriptomic landscape of primate hippocampal aging. *Protein and Cell*, **2021**, 12, 695-716	7.2	6
18	Exosomes from antler stem cells alleviate mesenchymal stem cell senescence and osteoarthritis. *Protein and Cell*, **2021**, 1	7.2	6

List of Publications

17	Converted neural cells: induced to a cure?. *Protein and Cell*, **2012**, 3, 91-7	7.2	5
16	Protein quality control of cell stemness. *Cell Regeneration*, **2020**, 9, 22	2.5	5
15	Large-scale chemical screen identifies Gallic acid as a geroprotector for human stem cells. *Protein and Cell*, **2021**, 1	7.2	5
14	Cross-species metabolomic analysis identifies uridine as a potent regeneration promoting factor.. *Cell Discovery*, **2022**, 8, 6	22.3	4
13	Resurrection of human endogenous retroviruses during aging reinforces senescence		3
12	Regeneration Roadmap: database resources for regenerative biology. *Nucleic Acids Research*, **2021**,	20.1	3
11	Low-dose chloroquine treatment extends the lifespan of aged rats.. *Protein and Cell*, **2022**, 1	7.2	2
10	Aging weakens Th17 cell pathogenicity and ameliorates experimental autoimmune uveitis in mice. *Protein and Cell*, **2021**, 1	7.2	2
9	Protein quality control of cell stemness. *Cell Regeneration*, **2020**, 9, 22	2.5	2
8	Heterochronic parabiosis induces stem cell revitalization and systemic rejuvenation across aged tissues. *Cell Stem Cell*, **2022**, 29, 990-1005.e10	18	2
7	A β-galactosidase kiss of death for senescent cells. *Cell Research*, **2020**, 30, 556-557	24.7	1
6	Hyperthermia differentially affects specific human stem cells and their differentiated derivatives. *Protein and Cell*, **2021**, 1	7.2	1
5	FTO stabilizes MIS12 and counteracts senescence.. *Protein and Cell*, **2022**, 1	7.2	1
4	mTORC2/RICTOR exerts differential levels of metabolic control in human embryonic, mesenchymal and neural stem cells.. *Protein and Cell*, **2022**, 1	7.2	0
3	Deciphering aging at three-dimensional genomic resolution **2022**, 100034		0
2	Emerging role of RNA m6A modification in aging regulation **2022**, 1,		0
1	The quest to understand aging during and after COVID-19. *Cell Stem Cell*, **2021**, 28, 805-807	18	