

# Weiqi Zhang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6647302/weiqi-zhang-publications-by-year.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	mTORC2/RICTOR exerts differential levels of metabolic control in human embryonic, mesenchymal and neural stem cells.. <i>Protein and Cell</i> , <b>2022</b> , 1	7.2	0
69	Low-dose chloroquine treatment extends the lifespan of aged rats.. <i>Protein and Cell</i> , <b>2022</b> , 1	7.2	2
68	Cross-species metabolomic analysis identifies uridine as a potent regeneration promoting factor.. <i>Cell Discovery</i> , <b>2022</b> , 8, 6	22.3	4
67	FTO stabilizes MIS12 and counteracts senescence.. <i>Protein and Cell</i> , <b>2022</b> , 1	7.2	1
66	Deciphering aging at three-dimensional genomic resolution <b>2022</b> , 100034		0
65	Emerging role of RNA m6A modification in aging regulation <b>2022</b> , 1,		0
64	Heterochronic parabiosis induces stem cell revitalization and systemic rejuvenation across aged tissues. <i>Cell Stem Cell</i> , <b>2022</b> , 29, 990-1005.e10	18	2
63	A single-cell transcriptomic landscape of the lungs of patients with COVID-19. <i>Nature Cell Biology</i> , <b>2021</b> ,	23.4	9
62	Aging weakens Th17 cell pathogenicity and ameliorates experimental autoimmune uveitis in mice. <i>Protein and Cell</i> , <b>2021</b> , 1	7.2	2
61	Hyperthermia differentially affects specific human stem cells and their differentiated derivatives. <i>Protein and Cell</i> , <b>2021</b> , 1	7.2	1
60	Deciphering primate retinal aging at single-cell resolution. <i>Protein and Cell</i> , <b>2021</b> , 12, 889-898	7.2	7
59	SIRT3 consolidates heterochromatin and counteracts senescence. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 4203-4219	12.19	15
58	Single-nucleus transcriptomic landscape of primate hippocampal aging. <i>Protein and Cell</i> , <b>2021</b> , 12, 695-716	7.2	6
57	The quest to understand aging during and after COVID-19. <i>Cell Stem Cell</i> , <b>2021</b> , 28, 805-807	18	
56	A single-cell transcriptomic atlas of primate pancreatic islet aging. <i>National Science Review</i> , <b>2021</b> , 8, nwaa1027	10.27	12
55	Dynamic cell transition and immune response landscapes of axolotl limb regeneration revealed by single-cell analysis. <i>Protein and Cell</i> , <b>2021</b> , 12, 57-66	7.2	20
54	Stabilization of heterochromatin by CLOCK promotes stem cell rejuvenation and cartilage regeneration. <i>Cell Research</i> , <b>2021</b> , 31, 187-205	24.7	18

53	A Single-Cell Transcriptomic Atlas of Human Skin Aging. <i>Developmental Cell</i> , <b>2021</b> , 56, 383-397.e8	10.2	31
52	Aging Atlas: a multi-omics database for aging biology. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D825-D830	20.1	32
51	FOXO3-engineered human mesenchymal progenitor cells efficiently promote cardiac repair after myocardial infarction. <i>Protein and Cell</i> , <b>2021</b> , 12, 145-151	7.2	8
50	Single-cell transcriptomic atlas of primate cardiopulmonary aging. <i>Cell Research</i> , <b>2021</b> , 31, 415-432	24.7	31
49	Exosomes from antler stem cells alleviate mesenchymal stem cell senescence and osteoarthritis. <i>Protein and Cell</i> , <b>2021</b> , 1	7.2	6
48	Large-scale chemical screen identifies Gallic acid as a geroprotector for human stem cells. <i>Protein and Cell</i> , <b>2021</b> , 1	7.2	5
47	A genome-wide CRISPR-based screen identifies as a driver of cellular senescence. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	16
46	Regeneration Roadmap: database resources for regenerative biology. <i>Nucleic Acids Research</i> , <b>2021</b> ,	20.1	3
45	A $\beta$ -galactosidase kiss of death for senescent cells. <i>Cell Research</i> , <b>2020</b> , 30, 556-557	24.7	1
44	A single-cell transcriptomic landscape of primate arterial aging. <i>Nature Communications</i> , <b>2020</b> , 11, 2202	17.4	36
43	ZKSCAN3 counteracts cellular senescence by stabilizing heterochromatin. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 6001-6018	20.1	19
42	SIRT7 antagonizes human stem cell aging as a heterochromatin stabilizer. <i>Protein and Cell</i> , <b>2020</b> , 11, 483-504	50.4	37
41	Genome-wide R-loop Landscapes during Cell Differentiation and Reprogramming. <i>Cell Reports</i> , <b>2020</b> , 32, 107870	10.6	20
40	Caloric Restriction Reprograms the Single-Cell Transcriptional Landscape of <i>Rattus Norvegicus</i> Aging. <i>Cell</i> , <b>2020</b> , 180, 984-1001.e22	56.2	91
39	Single-Cell Transcriptomic Atlas of Primate Ovarian Aging. <i>Cell</i> , <b>2020</b> , 180, 585-600.e19	56.2	113
38	Protein quality control of cell stemness. <i>Cell Regeneration</i> , <b>2020</b> , 9, 22	2.5	5
37	Protein quality control of cell stemness. <i>Cell Regeneration</i> , <b>2020</b> , 9, 22	2.5	2
36	The ageing epigenome and its rejuvenation. <i>Nature Reviews Molecular Cell Biology</i> , <b>2020</b> , 21, 137-150	48.7	122

35	METTL3 counteracts premature aging via m6A-dependent stabilization of MIS12 mRNA. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 11083-11096	20.1	32
34	ALKBH1 deficiency leads to loss of homeostasis in human diploid somatic cells. <i>Protein and Cell</i> , <b>2020</b> , 11, 688-695	7.2	6
33	A human circulating immune cell landscape in aging and COVID-19. <i>Protein and Cell</i> , <b>2020</b> , 11, 740-770	7.2	88
32	Generation of a Hutchinson-Gilford progeria syndrome monkey model by base editing. <i>Protein and Cell</i> , <b>2020</b> , 11, 809-824	7.2	18
31	Rescue of premature aging defects in Cockayne syndrome stem cells by CRISPR/Cas9-mediated gene correction. <i>Protein and Cell</i> , <b>2020</b> , 11, 1-22	7.2	29
30	Maintenance of Nucleolar Homeostasis by CBX4 Alleviates Senescence and Osteoarthritis. <i>Cell Reports</i> , <b>2019</b> , 26, 3643-3656.e7	10.6	45
29	Up-regulation of FOXD1 by YAP alleviates senescence and osteoarthritis. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000207	9.7	48
28	Telomere-dependent and telomere-independent roles of RAP1 in regulating human stem cell homeostasis. <i>Protein and Cell</i> , <b>2019</b> , 10, 649-667	7.2	19
27	Chemical screen identifies a geroprotective role of quercetin in premature aging. <i>Protein and Cell</i> , <b>2019</b> , 10, 417-435	7.2	51
26	Low-dose quercetin positively regulates mouse healthspan. <i>Protein and Cell</i> , <b>2019</b> , 10, 770-775	7.2	19
25	Stabilizing heterochromatin by DGCR8 alleviates senescence and osteoarthritis. <i>Nature Communications</i> , <b>2019</b> , 10, 3329	17.4	41
24	DJ-1 is dispensable for human stem cell homeostasis. <i>Protein and Cell</i> , <b>2019</b> , 10, 846-853	7.2	9
23	Modeling CADASIL vascular pathologies with patient-derived induced pluripotent stem cells. <i>Protein and Cell</i> , <b>2019</b> , 10, 249-271	7.2	28
22	FOXO3-Engineered Human ESC-Derived Vascular Cells Promote Vascular Protection and Regeneration. <i>Cell Stem Cell</i> , <b>2019</b> , 24, 447-461.e8	18	39
21	Differential stem cell aging kinetics in Hutchinson-Gilford progeria syndrome and Werner syndrome. <i>Protein and Cell</i> , <b>2018</b> , 9, 333-350	7.2	38
20	ATF6 safeguards organelle homeostasis and cellular aging in human mesenchymal stem cells. <i>Cell Discovery</i> , <b>2018</b> , 4, 2	22.3	35
19	SIRT6 deficiency results in developmental retardation in cynomolgus monkeys. <i>Nature</i> , <b>2018</b> , 560, 661-665	55.4	91
18	Ectopic hTERT expression facilitates reprogramming of fibroblasts derived from patients with Werner syndrome as a WS cellular model. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 923	9.8	10

17	Epigenetic Modifications in Cardiovascular Aging and Diseases. <i>Circulation Research</i> , <b>2018</b> , 123, 773-786	15.7	90
16	CRISPR/Cas9-mediated gene knockout reveals a guardian role of NF- $\kappa$ B/RelA in maintaining the homeostasis of human vascular cells. <i>Protein and Cell</i> , <b>2018</b> , 9, 945-965	7.2	15
15	Visualization of aging-associated chromatin alterations with an engineered TALE system. <i>Cell Research</i> , <b>2017</b> , 27, 483-504	24.7	36
14	Genetic enhancement in cultured human adult stem cells conferred by a single nucleotide recoding. <i>Cell Research</i> , <b>2017</b> , 27, 1178-1181	24.7	28
13	Modeling xeroderma pigmentosum associated neurological pathologies with patients-derived iPSCs. <i>Protein and Cell</i> , <b>2016</b> , 7, 210-21	7.2	24
12	Repression of the Antioxidant NRF2 Pathway in Premature Aging. <i>Cell</i> , <b>2016</b> , 165, 1361-1374	56.2	275
11	Vitamin C alleviates aging defects in a stem cell model for Werner syndrome. <i>Protein and Cell</i> , <b>2016</b> , 7, 478-88	7.2	43
10	SIRT6 safeguards human mesenchymal stem cells from oxidative stress by coactivating NRF2. <i>Cell Research</i> , <b>2016</b> , 26, 190-205	24.7	192
9	Aging stem cells. A Werner syndrome stem cell model unveils heterochromatin alterations as a driver of human aging. <i>Science</i> , <b>2015</b> , 348, 1160-3	33.3	320
8	A widely adaptable approach to generate integration-free iPSCs from non-invasively acquired human somatic cells. <i>Protein and Cell</i> , <b>2015</b> , 6, 386-9	7.2	9
7	PTEN deficiency reprogrammes human neural stem cells towards a glioblastoma stem cell-like phenotype. <i>Nature Communications</i> , <b>2015</b> , 6, 10068	17.4	98
6	Modelling Fanconi anemia pathogenesis and therapeutics using integration-free patient-derived iPSCs. <i>Nature Communications</i> , <b>2014</b> , 5, 4330	17.4	84
5	Concealing cellular defects in pluripotent stem cells. <i>Trends in Cell Biology</i> , <b>2013</b> , 23, 587-92	18.3	11
4	Progressive degeneration of human neural stem cells caused by pathogenic LRRK2. <i>Nature</i> , <b>2012</b> , 491, 603-7	50.4	250
3	Converted neural cells: induced to a cure?. <i>Protein and Cell</i> , <b>2012</b> , 3, 91-7	7.2	5
2	Generation of iPSCs from mouse fibroblasts with a single gene, Oct4, and small molecules. <i>Cell Research</i> , <b>2011</b> , 21, 196-204	24.7	247
1	Resurrection of human endogenous retroviruses during aging reinforces senescence		3