Daohong Zhou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3544950/publications.pdf

Version: 2024-02-01

		101384	51492
97	8,135	36	86
papers	citations	h-index	g-index

99	99	99	9655
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cellular Senescence: Defining a Path Forward. Cell, 2019, 179, 813-827.	13.5	1,551
2	Clearance of senescent cells by ABT263 rejuvenates aged hematopoietic stem cells in mice. Nature Medicine, 2016, 22, 78-83.	15.2	1,273
3	Cellular Senescence Promotes Adverse Effects of Chemotherapy and Cancer Relapse. Cancer Discovery, 2017, 7, 165-176.	7.7	881
4	A selective BCL-XL PROTAC degrader achieves safe and potent antitumor activity. Nature Medicine, 2019, 25, 1938-1947.	15.2	348
5	Total body irradiation selectively induces murine hematopoietic stem cell senescence. Blood, 2006, 107, 358-366.	0.6	298
6	Reactive Oxygen Species in Normal and Tumor Stem Cells. Advances in Cancer Research, 2014, 122, 1-67.	1.9	291
7	Discovery of piperlongumine as a potential novel lead for the development of senolytic agents. Aging, 2016, 8, 2915-2926.	1.4	188
8	Inhibition of Bcl-2/xl With ABT-263 Selectively Kills Senescent Type II Pneumocytes and Reverses Persistent Pulmonary Fibrosis Induced by Ionizing Radiation in Mice. International Journal of Radiation Oncology Biology Physics, 2017, 99, 353-361.	0.4	172
9	Reactive oxygen species and hematopoietic stem cell senescence. International Journal of Hematology, 2011, 94, 24-32.	0.7	157
10	Therapy-Induced Senescence: Opportunities to Improve Anticancer Therapy. Journal of the National Cancer Institute, 2021, 113, 1285-1298.	3.0	156
11	<scp>DNA</scp> damage and senescence in osteoprogenitors expressing Osx1 may cause their decrease with age. Aging Cell, 2017, 16, 693-703.	3.0	146
12	Using proteolysis-targeting chimera technology to reduce navitoclax platelet toxicity and improve its senolytic activity. Nature Communications, 2020, 11, 1996.	5.8	141
13	PROteolysis TArgeting Chimeras (PROTACs) as emerging anticancer therapeutics. Oncogene, 2020, 39, 4909-4924.	2.6	139
14	Total body irradiation causes long-term mouse BM injury via induction of HSC premature senescence in an Ink4a- and Arf-independent manner. Blood, 2014, 123, 3105-3115.	0.6	124
15	IL-17 and immunologically induced senescence regulate response to injury in osteoarthritis. Journal of Clinical Investigation, 2020, 130, 5493-5507.	3.9	119
16	Systemic clearance of p16^{INK4a}â€positive senescent cells mitigates ageâ€associated intervertebral disc degeneration. Aging Cell, 2019, 18, e12927.	3.0	118
17	Metformin ameliorates ionizing irradiation-induced long-term hematopoietic stem cell injury in mice. Free Radical Biology and Medicine, 2015, 87, 15-25.	1.3	107
18	The curcumin analog EF24 is a novel senolytic agent. Aging, 2019, 11, 771-782.	1.4	100

#	Article	IF	Citations
19	Oxidation resistance 1 is a novel senolytic target. Aging Cell, 2018, 17, e12780.	3.0	95
20	Proteolysis targeting chimeras (PROTACs) are emerging therapeutics for hematologic malignancies. Journal of Hematology and Oncology, 2020, 13, 103.	6.9	69
21	Hematopoietic stem cell senescence and cancer therapy-induced long-term bone marrow injury. Translational Cancer Research, 2013, 2, 397-411.	0.4	69
22	Discovery of PROTAC BCL-XL degraders as potent anticancer agents with low on-target platelet toxicity. European Journal of Medicinal Chemistry, 2020, 192, 112186.	2.6	68
23	Cellular senescence and radiation-induced pulmonary fibrosis. Translational Research, 2019, 209, 14-21.	2.2	66
24	DT2216â€"a Bcl-xL-specific degrader is highly active against Bcl-xL-dependent T cell lymphomas. Journal of Hematology and Oncology, 2020, 13, 95.	6.9	64
25	Inhibition of USP7 activity selectively eliminates senescent cells in part via restoration of p53 activity. Aging Cell, 2020, 19, e13117.	3.0	60
26	Exposure to Low-Dose 56Fe-Ion Radiation Induces Long-Term Epigenetic Alterations in Mouse Bone Marrow Hematopoietic Progenitor and Stem Cells. Radiation Research, 2014, 182, 92.	0.7	58
27	Elimination of senescent osteoclast progenitors has no effect on the ageâ€associated loss of bone mass in mice. Aging Cell, 2019, 18, e12923.	3.0	57
28	Development of a BCL-xL and BCL-2 dual degrader with improved anti-leukemic activity,. Nature Communications, 2021, 12, 6896.	5.8	56
29	Utilizing PROTAC technology to address the on-target platelet toxicity associated with inhibition of BCL-X_L. Chemical Communications, 2019, 55, 14765-14768.	2.2	54
30	Osteocyte RANKL is required for cortical bone loss with age and is induced by senescence. JCI Insight, 2020, 5, .	2.3	52
31	EEPD1 Rescues Stressed Replication Forks and Maintains Genome Stability by Promoting End Resection and Homologous Recombination Repair. PLoS Genetics, 2015, 11, e1005675.	1.5	47
32	M1 and M2 macrophages differentially regulate hematopoietic stem cell self-renewal and ex vivo expansion. Blood Advances, 2018, 2, 859-870.	2.5	45
33	Senolytic activity of piperlongumine analogues: Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2018, 26, 3925-3938.	1.4	42
34	Granulocyte colony-stimulating factor exacerbates hematopoietic stem cell injury after irradiation. Cell and Bioscience, 2015, 5, 65.	2.1	41
35	Depletion of senescent-like neuronal cells alleviates cisplatin-induced peripheral neuropathy in mice. Scientific Reports, 2020, 10, 14170.	1.6	41
36	Why Senescent Cells Are Resistant to Apoptosis: An Insight for Senolytic Development. Frontiers in Cell and Developmental Biology, 2022, 10, 822816.	1.8	40

#	Article	IF	Citations
37	Discovery of IAP-recruiting BCL-XL PROTACs as potent degraders across multiple cancer cell lines. European Journal of Medicinal Chemistry, 2020, 199, 112397.	2.6	38
38	CD177 modulates the function and homeostasis of tumor-infiltrating regulatory T cells. Nature Communications, 2021, 12, 5764.	5.8	38
39	Proteolysis-targeting chimera against BCL-XL destroys tumor-infiltrating regulatory T cells. Nature Communications, 2021, 12, 1281.	5.8	34
40	Cellular senescence in lymphoid organs and immunosenescence. Aging, 2021, 13, 19920-19941.	1.4	34
41	Assays and technologies for developing proteolysis targeting chimera degraders. Future Medicinal Chemistry, 2020, 12, 1155-1179.	1.1	29
42	Overcoming Gemcitabine Resistance in Pancreatic Cancer Using the BCL-XLâ€“Specific Degrader DT2216. Molecular Cancer Therapeutics, 2022, 21, 184-192.	1.9	29
43	Inter-Strain Differences in LINE-1 DNA Methylation in the Mouse Hematopoietic System in Response to Exposure to Ionizing Radiation. International Journal of Molecular Sciences, 2017, 18, 1430.	1.8	28
44	Discovery of a Novel BCL-X_L PROTAC Degrader with Enhanced BCL-2 Inhibition. Journal of Medicinal Chemistry, 2021, 64, 14230-14246.	2.9	28
45	C/EBPÎ´ Deficiency Sensitizes Mice to Ionizing Radiation-Induced Hematopoietic and Intestinal Injury. PLoS ONE, 2014, 9, e94967.	1.1	27
46	Total Body Irradiation in the â€œHematopoieticâ€•Dose Range Induces Substantial Intestinal Injury in Non-Human Primates. Radiation Research, 2015, 184, 545-553.	0.7	27
47	BCL-XL PROTAC degrader DT2216 synergizes with sotorasib in preclinical models of KRASG12C-mutated cancers. Journal of Hematology and Oncology, 2022, 15, 23.	6.9	25
48	Sphingomyelin synthase 1 activity is regulated by the BCR-ABL oncogene. Journal of Lipid Research, 2013, 54, 794-805.	2.0	24
49	Marrow damage and hematopoietic recovery following allogeneic bone marrow transplantation for acute leukemias: Effect of radiation dose and conditioning regimen. Radiotherapy and Oncology, 2016, 118, 65-71.	0.3	24
50	Senescence-associated hyper-activation to inflammatory stimuli in vitro. Aging, 2021, 13, 19088-19107.	1.4	24
51	Thrombomodulin Contributes to Gamma Tocotrienol-Mediated Lethality Protection and Hematopoietic Cell Recovery in Irradiated Mice. PLoS ONE, 2015, 10, e0122511.	1.1	23
52	Increased marrow adipogenesis does not contribute to ageâ€dependent appendicular bone loss in female mice. Aging Cell, 2020, 19, e13247.	3.0	22
53	Targeting anti-apoptotic BCL-2 family proteins for cancer treatment. Future Medicinal Chemistry, 2020, 12, 563-565.	1.1	22
54	Latexin Inactivation Enhances Survival and Long-Term Engraftment ofÂHematopoietic Stem Cells and Expands the Entire Hematopoietic System in Mice. Stem Cell Reports, 2017, 8, 991-1004.	2.3	21

#	Article	IF	Citations
55	Gene expression profiling in non-human primate jejunum, ileum and colon after total-body irradiation: a comparative study of segment-specific molecular and cellular responses. BMC Genomics, 2015, 16, 984.	1.2	20
56	Identification of novel breakpoints for locus- and region-specific translocations in 293 cells by molecular cytogenetics before and after irradiation. Scientific Reports, 2019, 9, 10554.	1.6	20
57	Low Doses of Oxygen Ion Irradiation Cause Acute Damage to Hematopoietic Cells in Mice. PLoS ONE, 2016, 11, e0158097.	1.1	18
58	Genome-wide scan identifies variant in 2q12.3 associated with risk for multiple myeloma. Blood, 2014, 124, 2001-2003.	0.6	17
59	Early assessment of dosimetric and biological differences of total marrow irradiation versus total body irradiation in rodents. Radiotherapy and Oncology, 2017, 124, 468-474.	0.3	17
60	Evasion of regulatory phosphorylation by an alternatively spliced isoform of Musashi2. Scientific Reports, 2017, 7, 11503.	1.6	16
61	Timing of the loss of Pten protein determines disease severity in a mouse model of myeloid malignancy. Blood, 2016, 127, 1912-1922.	0.6	15
62	The Wave2 scaffold Hem-1 is required for transition of fetal liver hematopoiesis to bone marrow. Nature Communications, 2018, 9, 2377.	5.8	15
63	PROTACs are effective in addressing the platelet toxicity associated with BCL-XL inhibitors. Exploration of Targeted Anti-tumor Therapy, 2020, 1, 259-272.	0.5	13
64	Cancer cell-intrinsic function of CD177 in attenuating Î²-catenin signaling. Oncogene, 2020, 39, 2877-2889.	2.6	11
65	Low doses of oxygen ion irradiation cause long-term damage to bone marrow hematopoietic progenitor and stem cells in mice. PLoS ONE, 2017, 12, e0189466.	1.1	11
66	The Vitamin E Analog Gamma-Tocotrienol (GT3) and Statins Synergistically Up-Regulate Endothelial Thrombomodulin (TM). International Journal of Molecular Sciences, 2016, 17, 1937.	1.8	10
67	Frailty and risk of mortality in older cancer survivors and adults without a cancer history: Evidence from the National Health and Nutrition Examination Survey, 1999â€2014. Cancer, 2022, 128, 2978-2987.	2.0	10
68	Synthesis of (2 R ,8â€² S ,3â€² E)-Î´-tocodienol, a tocoflexol family member designed to have a superior pharmacokinetic profile compared to Î´-tocotrienol. Tetrahedron, 2016, 72, 4001-4006.	1.0	9
69	Whole body proton irradiation causes acute damage to bone marrow hematopoietic progenitor and stem cells in mice. International Journal of Radiation Biology, 2017, 93, 1312-1320.	1.0	9
70	PUMA facilitates EMI1-promoted cytoplasmic Rad51 ubiquitination and inhibits DNA repair in stem and progenitor cells. Signal Transduction and Targeted Therapy, 2021, 6, 129.	7.1	9
71	28 Si total body irradiation injures bone marrow hematopoietic stem cells via induction of cellular apoptosis. Life Sciences in Space Research, 2017, 13, 39-44.	1.2	8
72	Deuteration of the farnesyl terminal methyl groups of Î´-tocotrienol and its effects on the metabolic stability and ability of inducing G-CSF production. Bioorganic and Medicinal Chemistry, 2020, 28, 115498.	1.4	7

#	Article	IF	Citations
73	FoxM1 insufficiency hyperactivates Ect2â€“RhoAâ€“mDia1 signaling to drive cancer. Nature Cancer, 2020, 1, 1010-1024.	5.7	6
74	Cellular senescence, geroscience, cancer and beyond. Aging, 2018, 10, 2233-2242.	1.4	6
75	Exonuclease 1 is essential for maintaining genomic stability and the proliferative capacity of neural but not hematopoietic stem cells. Stem Cell Research, 2014, 12, 250-259.	0.3	5
76	An oral HemokineTM, Î±-methylhydrocinnamate, enhances myeloid and neutrophil recovery following irradiation in vivo. Blood Cells, Molecules, and Diseases, 2017, 63, 1-8.	0.6	5
77	Synthesis and Liver Microsomal Metabolic Stability Studies of a Fluorineâ€Substituted Î´â€Tocotrienol Derivative. ChemMedChem, 2020, 15, 506-516.	1.6	5
78	The Curcumin Analog EF24 is Highly Active Against Chemotherapy- Resistant Melanoma Cells. Current Cancer Drug Targets, 2021, 21, 608-618.	0.8	5
79	Targeting BCL-XL By Protac DT2216 Effectively Eliminates Leukemia Cells in T-ALL Pre-Clinical Models. Blood, 2019, 134, 3870-3870.	0.6	5
80	Cancer and aging: A call to action. Aging and Cancer, 2022, 3, 87-94.	0.5	5
81	Sustained fetal hematopoiesis causes juvenile death from leukemia: evidence from a dual-ageâ€specific mouse model. Blood Advances, 2020, 4, 3728-3740.	2.5	4
82	Dietary Methionine Deficiency Enhances Genetic Instability in Murine Immune Cells. International Journal of Molecular Sciences, 2021, 22, 2378.	1.8	4
83	Host genetic susceptibility to Clostridium difficile infections in patients undergoing autologous stem cell transplantation: a genome-wide association study. Supportive Care in Cancer, 2018, 26, 3127-3134.	1.0	3
84	DT2216, a BCL-XL Proteolysis Targeting Chimera (PROTAC), Is a Potent Anti T-Cell Lymphoma Agent That Does Not Induce Significant Thrombocytopenia. Blood, 2019, 134, 303-303.	0.6	3
85	NOS2 deficiency has no influence on the radiosensitivity of the hematopoietic system. Cell and Bioscience, 2018, 8, 33.	2.1	2
86	Senolytic Drug Development. Healthy Ageing and Longevity, 2020, , 3-20.	0.2	2
87	DT2216, a Synthetic Proteolytic Selectively Targeting Bcl-XL for Ubiquitination and Degradation in Tumor Cells but Not in Platelets, Is a Safer and More Potent Antitumor Agent Than Navitoclax. Blood, 2018, 132, 2698-2698.	0.6	1
88	Long-Term Clearance of Senescent Cells Prevents the Hematopoietic Stem Cell Aging in Naturally Aged Mice. Blood, 2019, 134, 1204-1204.	0.6	1
89	Can molecular targeting the TNFÎ±-ERK-ETS1-IL27RÎ± pathway keep us young and healthy by protecting HSCs from aging?. Blood Science, 2020, 2, 148-149.	0.4	1
90	Ionizing Radiation Induces Hematopoietic Stem Cell Senescence and Long-Term Bone Marrow Suppression in a p16Ink4a/Arf-Independent manner. Blood, 2011, 118, 1345-1345.	0.6	0

#	Article	IF	Citations
91	A Sensitive and Quantitative Polymerase Chain Reaction-Based Non-Homologous End Joining in Vitro Assay for Hematopoietic Stem Cells. Blood, 2011, 118, 4825-4825.	0.6	0
92	Hyperbaric oxygen therapy for hematopoietic progenitor cell (HPC) collection in poor mobilizers.. Journal of Clinical Oncology, 2012, 30, e18576-e18576.	0.8	0
93	Chemotherapy-Induced Oral Mucositis: 11 SNPs Implicated In GWAS Of 972 Patients With Multiple Myeloma. Blood, 2013, 122, 3316-3316.	0.6	0
94	Platelet Depletion Causes Rapid But Transient Activation Of Mouse Bone Marrow Long-Term Hematopoietic Stem Cells To Participate In Stress Thrombopoiesis. Blood, 2013, 122, 2436-2436.	0.6	0
95	Opposite Effects of M1 and M2 Macrophages on Hematopoietic Stem Cell Self-Renewal and Ex Vivo Expansion. Blood, 2014, 124, 2909-2909.	0.6	0
96	Timing of the Loss of Pten Is Critical in Determining the Disease Phenotype in Mice- a Mouse Model for Pediatric Mixed MDS/MPN. Blood, 2014, 124, 3585-3585.	0.6	0
97	Targeting Venetoclax-Resistant CLL By Bcl-XL Degradation. Blood, 2021, 138, 2252-2252.	0.6	0