

Zhiyu Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

4,520
citations

331670

21
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

7699
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative stress inhibits distant metastasis by human melanoma cells. <i>Nature</i> , 2015, 527, 186-191.	27.8	964
2	Deep imaging of bone marrow shows non-dividing stem cells are mainly perisinusoidal. <i>Nature</i> , 2015, 526, 126-130.	27.8	564
3	Lymph protects metastasizing melanoma cells from ferroptosis. <i>Nature</i> , 2020, 585, 113-118.	27.8	484
4	Ascorbate regulates haematopoietic stem cell function and leukaemogenesis. <i>Nature</i> , 2017, 549, 476-481.	27.8	398
5	Bone marrow adipocytes promote the regeneration of stem cells and haematopoiesis by secreting SCF. <i>Nature Cell Biology</i> , 2017, 19, 891-903.	10.3	359
6	Leptin Receptor Promotes Adipogenesis and Reduces Osteogenesis by Regulating Mesenchymal Stromal Cells in Adult Bone Marrow. <i>Cell Stem Cell</i> , 2016, 18, 782-796.	11.1	346
7	Metabolic heterogeneity confers differences in melanoma metastatic potential. <i>Nature</i> , 2020, 577, 115-120.	27.8	298
8	A perisinusoidal niche for extramedullary haematopoiesis in the spleen. <i>Nature</i> , 2015, 527, 466-471.	27.8	207
9	A mechanosensitive peri-arteriolar niche for osteogenesis and lymphopoiesis. <i>Nature</i> , 2021, 591, 438-444.	27.8	158
10	Restricted Hematopoietic Progenitors and Erythropoiesis Require SCF from Leptin Receptor+ Niche Cells in the Bone Marrow. <i>Cell Stem Cell</i> , 2019, 24, 477-486.e6.	11.1	129
11	The rate of protein synthesis in hematopoietic stem cells is limited partly by 4E-BPs. <i>Genes and Development</i> , 2016, 30, 1698-1703.	5.9	91
12	Prdm16 is required for the maintenance of neural stem cells in the postnatal forebrain and their differentiation into ependymal cells. <i>Genes and Development</i> , 2017, 31, 1134-1146.	5.9	69
13	Integrin alpha11 is an Ostelectin receptor and is required for the maintenance of adult skeletal bone mass. <i>ELife</i> , 2019, 8, .	6.0	66
14	Metabolomic profiling of rare cell populations isolated by flow cytometry from tissues. <i>ELife</i> , 2021, 10, .	6.0	47
15	Compartmentalized metabolism supports midgestation mammalian development. <i>Nature</i> , 2022, 604, 349-353.	27.8	47
16	Synergistic effects of ion transporter and MAP kinase pathway inhibitors in melanoma. <i>Nature Communications</i> , 2016, 7, 12336.	12.8	43
17	27-Hydroxycholesterol induces hematopoietic stem cell mobilization and extramedullary hematopoiesis during pregnancy. <i>Journal of Clinical Investigation</i> , 2017, 127, 3392-3401.	8.2	40
18	Aspartate availability limits hematopoietic stem cell function during hematopoietic regeneration. <i>Cell Stem Cell</i> , 2021, 28, 1982-1999.e8.	11.1	38

#	ARTICLE	IF	CITATIONS
19	Loss of glucose 6-phosphate dehydrogenase function increases oxidative stress and glutaminolysis in metastasizing melanoma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	35
20	TRPML1 Promotes Protein Homeostasis in Melanoma Cells by Negatively Regulating MAPK and mTORC1 Signaling. <i>Cell Reports</i> , 2019, 28, 2293-2305.e9.	6.4	34
21	The requirement for pyruvate dehydrogenase in leukemogenesis depends on cell lineage. <i>Cell Metabolism</i> , 2021, 33, 1777-1792.e8.	16.2	34
22	Isotope tracing reveals glycolysis and oxidative metabolism in childhood tumors of multiple histologies. <i>Med</i> , 2021, 2, 395-410.e4.	4.4	21
23	The effect of parathyroid hormone on osteogenesis is mediated partly by osteolectin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
24	Scinderin promotes fusion of electron transport chain dysfunctional muscle stem cells with myofibers. <i>Nature Aging</i> , 2022, 2, 155-169.	11.6	15
25	Adiponectin receptors sustain haematopoietic stem cells throughout adulthood by protecting them from inflammation. <i>Nature Cell Biology</i> , 2022, 24, 697-707.	10.3	15
26	Reticular Dysgenesis-Associated Adenylate Kinase 2 Deficiency Impairs Hematopoietic Stem and Progenitor Cell Function through Reductive Stress. <i>Blood</i> , 2020, 136, 33-33.	1.4	0