

Weiping Yuan

List of Publications by Year in descending order

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71
papers

2,077
citations

279778

23
h-index

265191

42
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80
all docs

80
docs citations

80
times ranked

4494
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracing haematopoietic stem cell formation at single-cell resolution. <i>Nature</i> , 2016, 533, 487-492.	27.8	297
2	Identification of functional cooperative mutations of SETD2 in human acute leukemia. <i>Nature Genetics</i> , 2014, 46, 287-293.	21.4	213
3	Rictor/mTORC2 Is Essential for Maintaining a Balance Between \hat{I}^2 -Cell Proliferation and Cell Size. <i>Diabetes</i> , 2011, 60, 827-837.	0.6	136
4	Leukemic marrow infiltration reveals a novel role for Egr3 as a potent inhibitor of normal hematopoietic stem cell proliferation. <i>Blood</i> , 2015, 126, 1302-1313.	1.4	93
5	Combined Loss of Tet1 and Tet2 Promotes B Cell, but Not Myeloid Malignancies, in Mice. <i>Cell Reports</i> , 2015, 13, 1692-1704.	6.4	83
6	Antioxidant N-acetyl-l-cysteine increases engraftment of human hematopoietic stem cells in immune-deficient mice. <i>Blood</i> , 2014, 124, e45-e48.	1.4	74
7	ATF4 plays a pivotal role in the development of functional hematopoietic stem cells in mouse fetal liver. <i>Blood</i> , 2015, 126, 2383-2391.	1.4	58
8	Rictor/mTORC2 Pathway in Oocytes Regulates Folliculogenesis, and Its Inactivation Causes Premature Ovarian Failure. <i>Journal of Biological Chemistry</i> , 2015, 290, 6387-6396.	3.4	58
9	Enhanced Generation of Integration-free iPSCs from Human Adult Peripheral Blood Mononuclear Cells with an Optimal Combination of Episomal Vectors. <i>Stem Cell Reports</i> , 2016, 6, 873-884.	4.8	48
10	Small-molecule inhibitors targeting INK4 protein p18INK4C enhance ex vivo expansion of haematopoietic stem cells. <i>Nature Communications</i> , 2015, 6, 6328.	12.8	47
11	Altered mesenchymal niche cells impede generation of normal hematopoietic progenitor cells in leukemic bone marrow. <i>Leukemia</i> , 2016, 30, 154-162.	7.2	42
12	Reprogramming of MLL-AF9 leukemia cells into pluripotent stem cells. <i>Leukemia</i> , 2014, 28, 1071-1080.	7.2	40
13	Notch1-induced T cell leukemia can be potentiated by microenvironmental cues in the spleen. <i>Journal of Hematology and Oncology</i> , 2014, 7, 71.	17.0	35
14	Loss of Dnmt3b accelerates MLL-AF9 leukemia progression. <i>Leukemia</i> , 2016, 30, 2373-2384.	7.2	34
15	<i>PBX3</i> is essential for leukemia stem cell maintenance in <i>MLL</i> -rearranged leukemia. <i>International Journal of Cancer</i> , 2017, 141, 324-335.	5.1	34
16	TET2 Loss Dysregulates the Behavior of Bone Marrow Mesenchymal Stromal Cells and Accelerates Tet2-Driven Myeloid Malignancy Progression. <i>Stem Cell Reports</i> , 2018, 10, 166-179.	4.8	34
17	Transcriptome analysis reveals a ribosome constituents disorder involved in the RPL5 downregulated zebrafish model of Diamond-Blackfan anemia. <i>BMC Medical Genomics</i> , 2016, 9, 13.	1.5	32
18	Intron 1 GATA site enhances ALAS2 expression indispensably during erythroid differentiation. <i>Nucleic Acids Research</i> , 2017, 45, 657-671.	14.5	29

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19	Leukemia cell infiltration causes defective erythropoiesis partially through MIP-1 α /CCL3. <i>Leukemia</i> , 2016, 30, 1897-1908.	7.2	28
20	Loss of ASXL1 in the bone marrow niche dysregulates hematopoietic stem and progenitor cell fates. <i>Cell Discovery</i> , 2018, 4, 4.	6.7	28
21	Optimizing the method for generation of integration-free induced pluripotent stem cells from human peripheral blood. <i>Stem Cell Research and Therapy</i> , 2018, 9, 163.	5.5	27
22	Rictor Is Required for Early B Cell Development in Bone Marrow. <i>PLoS ONE</i> , 2014, 9, e103970.	2.5	26
23	2-D08 as a SUMOylation inhibitor induced ROS accumulation mediates apoptosis of acute myeloid leukemia cells possibly through the deSUMOylation of NOX2. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 1063-1069.	2.1	25
24	The catalytic activity of TET2 is essential for its myeloid malignancy-suppressive function in hematopoietic stem/progenitor cells. <i>Leukemia</i> , 2016, 30, 1784-1788.	7.2	24
25	mTORC signaling in hematopoiesis. <i>International Journal of Hematology</i> , 2016, 103, 510-518.	1.6	23
26	Assessment of hematopoietic failure due to Rpl11 deficiency in a zebrafish model of Diamond-Blackfan anemia by deep sequencing. <i>BMC Genomics</i> , 2013, 14, 896.	2.8	22
27	Tet2 Regulates Osteoclast Differentiation by Interacting with Runx1 and Maintaining Genomic 5-Hydroxymethylcytosine (5hmC). <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 172-186.	6.9	22
28	Rheb1 promotes tumor progression through mTORC1 in MLL-AF9-initiated murine acute myeloid leukemia. <i>Journal of Hematology and Oncology</i> , 2016, 9, 36.	17.0	21
29	Transcriptome Analysis of the Zebrafish Model of Diamond-Blackfan Anemia from RPS19 Deficiency via p53-Dependent and -Independent Pathways. <i>PLoS ONE</i> , 2013, 8, e71782.	2.5	21
30	Rheb1-mTORC1 maintains macrophage differentiation and phagocytosis in mice. <i>Experimental Cell Research</i> , 2016, 344, 219-228.	2.6	20
31	Excessive proliferation and impaired function of primitive hematopoietic cells in bone marrow due to senescence post chemotherapy in a T cell acute lymphoblastic leukemia model. <i>Journal of Translational Medicine</i> , 2015, 13, 234.	4.4	19
32	Systematic transcriptome analysis of the zebrafish model of diamond-blackfan anemia induced by RPS24 deficiency. <i>BMC Genomics</i> , 2014, 15, 759.	2.8	18
33	Discovery of novel INK4C small-molecule inhibitors to promote human and murine hematopoietic stem cell ex vivo expansion. <i>Scientific Reports</i> , 2015, 5, 18115.	3.3	18
34	Will targeting PI3K/Akt/mTOR signaling work in hematopoietic malignancies?. <i>Stem Cell Investigation</i> , 2016, 3, 31-31.	3.0	18
35	PHF6 and JAK3 mutations cooperate to drive T-cell acute lymphoblastic leukemia progression. <i>Leukemia</i> , 2022, 36, 370-382.	7.2	18
36	Epidermal growth factor receptor and $\langle scp \rangle$ AKT $\langle /scp \rangle$ 1 gene copy numbers by multi $\langle scp \rangle$ gene fluorescence $\langle i \rangle$ in situ $\langle /i \rangle$ hybridization impact on prognosis in breast cancer. <i>Cancer Science</i> , 2015, 106, 642-649.	3.9	17

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37	SUV39H1 regulates the progression of MLL-AF9-induced acute myeloid leukemia. <i>Oncogene</i> , 2020, 39, 7239-7252.	5.9	17
38	Graft-versus-Host Disease Causes Broad Suppression of Hematopoietic Primitive Cells and Blocks Megakaryocyte Differentiation in a Murine Model. <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 1290-1300.	2.0	16
39	Rictor has a pivotal role in maintaining quiescence as well as stemness of leukemia stem cells in MLL-driven leukemia. <i>Leukemia</i> , 2017, 31, 414-422.	7.2	16
40	MBD2 Ablation Impairs Lymphopoiesis and Impedes Progression and Maintenance of T-ALL. <i>Cancer Research</i> , 2018, 78, 1632-1642.	0.9	15
41	Rheb1 loss leads to increased hematopoietic stem cell proliferation and myeloid-biased differentiation <i>in vivo</i> . <i>Haematologica</i> , 2019, 104, 245-255.	3.5	15
42	Rictor/mammalian target of rapamycin 2 regulates the development of notch1 induced murine T-cell acute lymphoblastic leukemia via forkhead box O3. <i>Experimental Hematology</i> , 2014, 42, 1031-1040.e4.	0.4	14
43	<i>Six1</i> regulates leukemia stem cell maintenance in acute myeloid leukemia. <i>Cancer Science</i> , 2019, 110, 2200-2210.	3.9	14
44	The kinase PDK1 is critical for promoting T follicular helper cell differentiation. <i>ELife</i> , 2021, 10, .	6.0	14
45	Phosphoinositide-dependent kinase 1 regulates leukemia stem cell maintenance in MLL-AF9-induced murine acute myeloid leukemia. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 692-698.	2.1	13
46	Generation of Integration-free Induced Pluripotent Stem Cells from Human Peripheral Blood Mononuclear Cells Using Episomal Vectors. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	13
47	Identification of characteristic and prognostic values of chromosome 1p abnormality by multi-gene fluorescence in situ hybridization in multiple myeloma. <i>Leukemia</i> , 2016, 30, 1197-1201.	7.2	12
48	PDK1 plays a vital role on hematopoietic stem cell function. <i>Scientific Reports</i> , 2017, 7, 4943.	3.3	12
49	Multi-gene fluorescence in situ hybridization to detect cell cycle gene copy number aberrations in young breast cancer patients. <i>Cell Cycle</i> , 2014, 13, 1299-1305.	2.6	11
50	La-related protein 4B maintains murine MLL-AF9 leukemia stem cell self-renewal by regulating cell cycle progression. <i>Experimental Hematology</i> , 2015, 43, 309-318.e2.	0.4	11
51	Clinical features, mutations and treatment of 104 patients of Diamond-Blackfan anemia in China: a single-center retrospective study. <i>International Journal of Hematology</i> , 2016, 104, 430-439.	1.6	11
52	Interleukin-1 β inhibits normal hematopoietic expansion and promotes acute myeloid leukemia progression via the bone marrow niche. <i>Cytotherapy</i> , 2020, 22, 127-134.	0.7	11
53	Enhanced self-renewal of human long-term hematopoietic stem cells by a sulfamoyl benzoate derivative targeting p18INK4C. <i>Blood Advances</i> , 2021, 5, 3362-3372.	5.2	8
54	Suppression of Cytochrome P450 Reductase Enhances Long-Term Hematopoietic Stem Cell Repopulation Efficiency in Mice. <i>PLoS ONE</i> , 2013, 8, e69913.	2.5	8

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55	Distinct sensitivity of CD8+CD4 ^{hi} and CD8+CD4 ^{lo} leukemic cell subpopulations to cyclophosphamide and rapamycin in Notch1-induced T-ALL mouse model. <i>Leukemia Research</i> , 2013, 37, 1592-1601.	0.8	7
56	PDK1 regulates definitive HSCs via the FOXO pathway during murine fetal liver hematopoiesis. <i>Stem Cell Research</i> , 2018, 30, 192-200.	0.7	7
57	Overexpression of PRDM5 promotes acute myeloid leukemia cell proliferation and migration by activating the JNK pathway. <i>Cancer Medicine</i> , 2019, 8, 3905-3917.	2.8	7
58	SETD5 modulates homeostasis of hematopoietic stem cells by mediating RNA Polymerase II pausing in cooperation with HCF-1. <i>Leukemia</i> , 2022, 36, 1111-1122.	7.2	7
59	Loss of Tet2 affects platelet function but not coagulation in mice. <i>Blood Science</i> , 2020, 2, 129-136.	0.9	5
60	Sfxn1 is essential for erythrocyte maturation via facilitating hemoglobin production in zebrafish. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166096.	3.8	4
61	Loss of MBD2 attenuates MLL-AF9-driven leukemogenesis by suppressing the leukemic cell cycle via CDKN1C. <i>Oncogenesis</i> , 2021, 10, 79.	4.9	4
62	Loss of MBD2 affects early T cell development by inhibiting the WNT signaling pathway. <i>Experimental Cell Research</i> , 2021, 398, 112400.	2.6	3
63	DNAH2 facilitates the homologous recombination repair of Fanconi anemia pathway through modulating FANCD2 ubiquitination. <i>Blood Science</i> , 2021, 3, 71-77.	0.9	3
64	SHP2 Inhibitors Show Anti-Myeloma Activity and Synergize With Bortezomib in the Treatment of Multiple Myeloma. <i>Frontiers in Pharmacology</i> , 2022, 13, 841308.	3.5	3
65	Reprogramming of Notch1-induced acute lymphoblastic leukemia cells into pluripotent stem cells in mice. <i>Blood Cancer Journal</i> , 2016, 6, e444-e444.	6.2	2
66	Osteopontin is required for the maintenance of leukemia stem cells in acute myeloid leukemia. <i>Biochemical and Biophysical Research Communications</i> , 2022, 600, 29-34.	2.1	2
67	A novel lymphoid progenitor cell population (LSK ^{low}) is restricted by p18INK4c. <i>Experimental Hematology</i> , 2016, 44, 874-885.e5.	0.4	1
68	Rheb1-Deficient Neutrophils Promote Hematopoietic Stem/Progenitor Cell Proliferation via Mesenchymal Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 650599.	3.7	1
69	Rapamycin Promotes the Expansion of Myeloid Cells by Increasing G-CSF Expression in Mesenchymal Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 779159.	3.7	1
70	Gene expression profiling by mRNA sequencing reveals dysregulation of core genes in Rictor deficient T-ALL mouse model. <i>Leukemia Research</i> , 2019, 87, 106229.	0.8	0
71	PDK1 Controls the Differentiation of Hematopoietic Stem Cells Via Modulating ROS Levels. <i>Blood</i> , 2015, 126, 896-896.	1.4	0