Adam C Wilkinson

List of Publications by Year
in descending order

36 papers	2,356 citations	361413 20 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	4323 citing authors

#	Article	IF	Citations
1	Decoding the regulatory network of early blood development from single-cell gene expression measurements. Nature Biotechnology, 2015, 33, 269-276.	17.5	352
2	Long-term ex vivo haematopoietic-stem-cell expansion allows nonconditioned transplantation. Nature, 2019, 571, 117-121.	27.8	249
3	Establishment of mouse expanded potential stem cells. Nature, 2017, 550, 393-397.	27.8	223
4	Branched-chain amino acid metabolism in cancer. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 64-70.	2.5	220
5	Clonal Dynamics Reveal Two Distinct Populations of Basal Cells in Slow-Turnover Airway Epithelium. Cell Reports, 2015, 12, 90-101.	6.4	154
6	Depleting dietary valine permits nonmyeloablative mouse hematopoietic stem cell transplantation. Science, 2016, 354, 1152-1155.	12.6	147
7	Large-Scale Clonal Analysis Resolves Aging of the Mouse Hematopoietic Stem Cell Compartment. Cell Stem Cell, 2018, 22, 600-607.e4.	11.1	132
8	RUNX1 Is a Key Target in t(4;11) Leukemias that Contributes to Gene Activation through an AF4-MLL Complex Interaction. Cell Reports, 2013, 3, 116-127.	6.4	130
9	Haematopoietic stem cell self-renewal in vivo and ex vivo. Nature Reviews Genetics, 2020, 21, 541-554.	16.3	118
10	Cas9-AAV6 gene correction of beta-globin in autologous HSCs improves sickle cell disease erythropoiesis in mice. Nature Communications, 2021, 12, 686.	12.8	67
11	Long-term ex vivo expansion of mouse hematopoietic stem cells. Nature Protocols, 2020, 15, 628-648.	12.0	55
12	Mammalian Transcription Factor Networks: Recent Advances in Interrogating Biological Complexity. Cell Systems, 2017, 5, 319-331.	6.2	54
13	Transcriptional Regulation of Haematopoietic Stem Cells. Advances in Experimental Medicine and Biology, 2013, 786, 187-212.	1.6	47
14	Changing concepts in hematopoietic stem cells. Science, 2018, 362, 895-896.	12.6	38
15	An All-Recombinant Protein-Based Culture System Specifically Identifies Hematopoietic Stem Cell Maintenance Factors. Stem Cell Reports, 2017, 8, 500-508.	4.8	32
16	Branched-chain amino acid depletion conditions bone marrow for hematopoietic stem cell transplantation avoiding amino acid imbalance-associated toxicity. Experimental Hematology, 2018, 63, 12-16.e1.	0.4	30
17	InÂVivo Generation of Engraftable Murine Hematopoietic Stem Cells by Gfi1b, c-Fos, and Gata2 Overexpression within Teratoma. Stem Cell Reports, 2017, 9, 1024-1033.	4.8	29
18	Single-cell analyses of regulatory network perturbations using enhancer-targeting TALEs suggest novel roles for PU.1 during haematopoietic specification. Development (Cambridge), 2014, 141, 4018-4030.	2.5	26

#	Article	IF	Citations
19	The hematopoietic stem cell diet. International Journal of Hematology, 2018, 107, 634-641.	1.6	24
20	Continuous cell supply from Krt7-expressing hematopoietic stem cells during native hematopoiesis revealed by targeted in vivo gene transfer method. Scientific Reports, 2017, 7, 40684.	3.3	22
21	Immunological barriers to haematopoietic stem cell gene therapy. Nature Reviews Immunology, 2022, 22, 719-733.	22.7	22
22	Biological implications of clonal hematopoiesis. Experimental Hematology, 2019, 77, 1-5.	0.4	21
23	Lineage commitment of hematopoietic stem cells and progenitors: insights from recent single cell and lineage tracing technologies. Experimental Hematology, 2020, 88, 1-6.	0.4	21
24	Proteomic analysis of young and old mouse hematopoietic stem cells and their progenitors reveals post-transcriptional regulation in stem cells. ELife, 2020, 9, .	6.0	21
25	Technical considerations for the use of CRISPR/Cas9 in hematology research. Experimental Hematology, 2017, 54, 4-11.	0.4	18
26	Stabilizing hematopoietic stem cells in vitro. Current Opinion in Genetics and Development, 2020, 64, 1-5.	3.3	18
27	Use of polyvinyl alcohol for chimeric antigen receptor T-cell expansion. Experimental Hematology, 2019, 80, 16-20.	0.4	13
28	Non-conditioned bone marrow chimeric mouse generation using culture-based enrichment of hematopoietic stem and progenitor cells. Nature Communications, 2021, 12, 3568.	12.8	13
29	Single site-specific integration targeting coupled with embryonic stem cell differentiation provides a high-throughput alternative to in vivo enhancer analyses. Biology Open, 2013, 2, 1229-1238.	1.2	11
30	Polyvinyl alcohol hydrolysis rate and molecular weight influence human and murine HSC activity ex vivo. Stem Cell Research, 2021, 56, 102531.	0.7	11
31	Hematopoietic stem cell gene editing and expansion: State-of-the-art technologies and recent applications. Experimental Hematology, 2022, 107, 9-13.	0.4	11
32	Engineering human hematopoietic environments through ossicle and bioreactor technologies exploitation. Experimental Hematology, 2021, 94, 20-25.	0.4	9
33	Single-cell lineage tracing approaches in hematology research: technical considerations. Experimental Hematology, 2020, 89, 26-36.	0.4	3
34	Hope for hematological diseases. Science, 2020, 367, 1206-1206.	12.6	3
35	Translational research for bone marrow failure patients. Experimental Hematology, 2021, , .	0.4	3
36	In vivo and ex vivo haematopoietic stem cell expansion. Current Opinion in Hematology, 2020, 27, 273-278.	2.5	2