

Stuart Orkin

List of Publications by Citations

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

208 papers	30,076 citations	76 h-index	173 g-index
226 ext. papers	34,053 ext. citations	20 avg, IF	6.92 L-index

#	Paper	IF	Citations
208	Hematopoiesis: an evolving paradigm for stem cell biology. <i>Cell</i> , 2008 , 132, 631-44	56.2	1680
207	An early haematopoietic defect in mice lacking the transcription factor GATA-2. <i>Nature</i> , 1994 , 371, 221-6	50.4	1199
206	Erythroid differentiation in chimaeric mice blocked by a targeted mutation in the gene for transcription factor GATA-1. <i>Nature</i> , 1991 , 349, 257-60	50.4	1198
205	Homozygous deletion in Wilms tumours of a zinc-finger gene identified by chromosome jumping. <i>Nature</i> , 1990 , 343, 774-8	50.4	1174
204	A comparative encyclopedia of DNA elements in the mouse genome. <i>Nature</i> , 2014 , 515, 355-64	50.4	1026
203	Cloning of cDNA for the major DNA-binding protein of the erythroid lineage through expression in mammalian cells. <i>Nature</i> , 1989 , 339, 446-51	50.4	879
202	Linkage of beta-thalassaemia mutations and beta-globin gene polymorphisms with DNA polymorphisms in human beta-globin gene cluster. <i>Nature</i> , 1982 , 296, 627-31	50.4	866
201	Absence of blood formation in mice lacking the T-cell leukaemia oncoprotein tal-1/SCL. <i>Nature</i> , 1995 , 373, 432-4	50.4	794
200	Mouse model of X-linked chronic granulomatous disease, an inherited defect in phagocyte superoxide production. <i>Nature Genetics</i> , 1995 , 9, 202-9	36.3	765
199	Cloning the gene for an inherited human disorder--chronic granulomatous disease--on the basis of its chromosomal location. <i>Nature</i> , 1986 , 322, 32-8	50.4	723
198	Human fetal hemoglobin expression is regulated by the developmental stage-specific repressor BCL11A. <i>Science</i> , 2008 , 322, 1839-42	33.3	618
197	Erythroid transcription factor NF-E2 is a haematopoietic-specific basic-leucine zipper protein. <i>Nature</i> , 1993 , 362, 722-8	50.4	597
196	BCL11A enhancer dissection by Cas9-mediated in situ saturating mutagenesis. <i>Nature</i> , 2015 , 527, 192-7	50.4	528
195	Mapping the Mouse Cell Atlas by Microwell-Seq. <i>Cell</i> , 2018 , 172, 1091-1107.e17	56.2	526
194	The E2F1-3 transcription factors are essential for cellular proliferation. <i>Nature</i> , 2001 , 414, 457-62	50.4	490
193	Transcriptional regulation of erythropoiesis: an affair involving multiple partners. <i>Oncogene</i> , 2002 , 21, 3368-76	9.2	480
192	Genome-wide association study shows BCL11A associated with persistent fetal hemoglobin and amelioration of the phenotype of beta-thalassemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1620-5	11.5	469

191	Globin gene regulation and switching: circa 1990. <i>Cell</i> , 1990 , 63, 665-72	56.2	460
190	Plasma and cytoplasmic gelsolins are encoded by a single gene and contain a duplicated actin-binding domain. <i>Nature</i> , 1986 , 323, 455-8	50.4	452
189	Expression of an erythroid transcription factor in megakaryocytic and mast cell lineages. <i>Nature</i> , 1990 , 344, 444-7	50.4	435
188	DNA polymorphisms at the BCL11A, HBS1L-MYB, and beta-globin loci associate with fetal hemoglobin levels and pain crises in sickle cell disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 11869-74	11.5	428
187	Familial dyserythropoietic anaemia and thrombocytopenia due to an inherited mutation in GATA1. <i>Nature Genetics</i> , 2000 , 24, 266-70	36.3	424
186	An erythroid enhancer of BCL11A subject to genetic variation determines fetal hemoglobin level. <i>Science</i> , 2013 , 342, 253-7	33.3	400
185	High-fat diet enhances stemness and tumorigenicity of intestinal progenitors. <i>Nature</i> , 2016 , 531, 53-8	50.4	388
184	Development of homozygosity for chromosome 11p markers in WilmsRtumour. <i>Nature</i> , 1984 , 309, 172-4	50.4	385
183	The glycoprotein encoded by the X-linked chronic granulomatous disease locus is a component of the neutrophil cytochrome b complex. <i>Nature</i> , 1987 , 327, 717-20	50.4	333
182	GATA-1 and Erythropoietin Cooperate to Promote Erythroid Cell Survival by Regulating bcl-xL Expression. <i>Blood</i> , 1999 , 94, 87-96	2.2	312
181	A genome-wide RNAi screen identifies a new transcriptional module required for self-renewal. <i>Genes and Development</i> , 2009 , 23, 837-48	12.6	310
180	Chromatin connections to pluripotency and cellular reprogramming. <i>Cell</i> , 2011 , 145, 835-50	56.2	305
179	Developmental and species-divergent globin switching are driven by BCL11A. <i>Nature</i> , 2009 , 460, 1093-7	50.4	292
178	Analyzing CRISPR genome-editing experiments with CRISPResso. <i>Nature Biotechnology</i> , 2016 , 34, 695-7	44.5	286
177	Complementary genomic approaches highlight the PI3K/mTOR pathway as a common vulnerability in osteosarcoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5564-73	11.5	275
176	Increased gamma-globin expression in a nondeletion HPFH mediated by an erythroid-specific DNA-binding factor. <i>Nature</i> , 1989 , 338, 435-8	50.4	274
175	Cultured human endothelial cells express platelet-derived growth factor B chain: cDNA cloning and structural analysis. <i>Nature</i> , 1985 , 316, 748-50	50.4	272
174	Transcriptional silencing of {gamma}-globin by BCL11A involves long-range interactions and cooperation with SOX6. <i>Genes and Development</i> , 2010 , 24, 783-98	12.6	259

173	Abnormal RNA processing due to the exon mutation of beta E-globin gene. <i>Nature</i> , 1982 , 300, 768-9	50.4	256
172	SWI/SNF-mutant cancers depend on catalytic and non-catalytic activity of EZH2. <i>Nature Medicine</i> , 2015 , 21, 1491-6	50.5	252
171	Gonadal differentiation, sex determination and normal Sry expression in mice require direct interaction between transcription partners GATA4 and FOG2. <i>Development (Cambridge)</i> , 2002 , 129, 4627-4634	56.6	244
170	Correction of sickle cell disease in adult mice by interference with fetal hemoglobin silencing. <i>Science</i> , 2011 , 334, 993-6	33.3	237
169	Reprogramming committed murine blood cells to induced hematopoietic stem cells with defined factors. <i>Cell</i> , 2014 , 157, 549-64	56.2	236
168	Characterization of genomic deletion efficiency mediated by clustered regularly interspaced short palindromic repeats (CRISPR)/Cas9 nuclease system in mammalian cells. <i>Journal of Biological Chemistry</i> , 2014 , 289, 21312-24	5.4	236
167	Rescue of erythroid development in gene targeted GATA-1- mouse embryonic stem cells. <i>Nature Genetics</i> , 1992 , 1, 92-8	36.3	234
166	MANorm: a robust model for quantitative comparison of ChIP-Seq data sets. <i>Genome Biology</i> , 2012 , 13, R16	18.3	229
165	Association of a Ras-related protein with cytochrome b of human neutrophils. <i>Nature</i> , 1989 , 342, 198-200	50.4	221
164	Polycomb repressive complex 2 regulates normal hematopoietic stem cell function in a developmental-stage-specific manner. <i>Cell Stem Cell</i> , 2014 , 14, 68-80	18	220
163	Hematopoiesis and stem cells: plasticity versus developmental heterogeneity. <i>Nature Immunology</i> , 2002 , 3, 323-8	19.1	217
162	Isolation of cDNA clones encoding the 20K T3 glycoprotein of human T-cell receptor complex. <i>Nature</i> , 1984 , 312, 413-8	50.4	217
161	Fine-mapping at three loci known to affect fetal hemoglobin levels explains additional genetic variation. <i>Nature Genetics</i> , 2010 , 42, 1049-51	36.3	208
160	Opposing Roles for the lncRNA Haunt and Its Genomic Locus in Regulating HOXA Gene Activation during Embryonic Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2015 , 16, 504-16	18	198
159	Human CCAAT displacement protein is homologous to the Drosophila homeoprotein, cut. <i>Nature Genetics</i> , 1992 , 1, 50-5	36.3	188
158	Transcription factors LRF and BCL11A independently repress expression of fetal hemoglobin. <i>Science</i> , 2016 , 351, 285-9	33.3	187
157	Mouse regulatory DNA landscapes reveal global principles of cis-regulatory evolution. <i>Science</i> , 2014 , 346, 1007-12	33.3	184
156	Direct Promoter Repression by BCL11A Controls the Fetal to Adult Hemoglobin Switch. <i>Cell</i> , 2018 , 173, 430-442.e17	56.2	182

155	Challenges and emerging directions in single-cell analysis. <i>Genome Biology</i> , 2017 , 18, 84	18.3	166
154	MicroRNA-15a and -16-1 act via MYB to elevate fetal hemoglobin expression in human trisomy 13. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1519-24	11.5	165
153	Inflammatory signaling regulates embryonic hematopoietic stem and progenitor cell production. <i>Genes and Development</i> , 2014 , 28, 2597-612	12.6	161
152	Transcription control by the ENL YEATS domain in acute leukaemia. <i>Nature</i> , 2017 , 543, 270-274	50.4	159
151	Corepressor-dependent silencing of fetal hemoglobin expression by BCL11A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6518-23	11.5	155
150	The Public Repository of Xenografts Enables Discovery and Randomized Phase II-like Trials in Mice. <i>Cancer Cell</i> , 2016 , 29, 574-586	24.3	154
149	Dynamic Control of Enhancer Repertoires Drives Lineage and Stage-Specific Transcription during Hematopoiesis. <i>Developmental Cell</i> , 2016 , 36, 9-23	10.2	144
148	A functional element necessary for fetal hemoglobin silencing. <i>New England Journal of Medicine</i> , 2011 , 365, 807-14	59.2	136
147	Use of in vivo biotinylation to study protein-protein and protein-DNA interactions in mouse embryonic stem cells. <i>Nature Protocols</i> , 2009 , 4, 506-17	18.8	112
146	Dissecting super-enhancer hierarchy based on chromatin interactions. <i>Nature Communications</i> , 2018 , 9, 943	17.4	107
145	Genetic treatment of a molecular disorder: gene therapy approaches to sickle cell disease. <i>Blood</i> , 2016 , 127, 839-48	2.2	105
144	Functional footprinting of regulatory DNA. <i>Nature Methods</i> , 2015 , 12, 927-30	21.6	103
143	BCL11A deletions result in fetal hemoglobin persistence and neurodevelopmental alterations. <i>Journal of Clinical Investigation</i> , 2015 , 125, 2363-8	15.9	100
142	Lineage-specific BCL11A knockdown circumvents toxicities and reverses sickle phenotype. <i>Journal of Clinical Investigation</i> , 2016 , 126, 3868-3878	15.9	100
141	Developmental control of polycomb subunit composition by GATA factors mediates a switch to non-canonical functions. <i>Molecular Cell</i> , 2015 , 57, 304-316	17.6	95
140	Embryonic stem cell-specific signatures in cancer: insights into genomic regulatory networks and implications for medicine. <i>Genome Medicine</i> , 2011 , 3, 75	14.4	89
139	Live-animal imaging of native haematopoietic stem and progenitor cells. <i>Nature</i> , 2020 , 578, 278-283	50.4	89
138	Ezh2 regulates differentiation and function of natural killer cells through histone methyltransferase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15988-93	11.5	87

137	Distinct domains of the GATA-1 cofactor FOG-1 differentially influence erythroid versus megakaryocytic maturation. <i>Molecular and Cellular Biology</i> , 2002 , 22, 4268-79	4.8	84
136	Distinct and combinatorial functions of Jmjd2b/Kdm4b and Jmjd2c/Kdm4c in mouse embryonic stem cell identity. <i>Molecular Cell</i> , 2014 , 53, 32-48	17.6	83
135	miRNA-embedded shRNAs for Lineage-specific BCL11A Knockdown and Hemoglobin F Induction. <i>Molecular Therapy</i> , 2015 , 23, 1465-74	11.7	82
134	Transcription factor GATA-1 in megakaryocyte development. <i>Stem Cells</i> , 1998 , 16 Suppl 2, 79-83	5.8	81
133	Friend of GATA-1 represses GATA-3-dependent activity in CD4+ T cells. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1461-71	16.6	78
132	Loss of Ezh2 synergizes with JAK2-V617F in initiating myeloproliferative neoplasms and promoting myelofibrosis. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1479-96	16.6	76
131	Generation of genomic deletions in mammalian cell lines via CRISPR/Cas9. <i>Journal of Visualized Experiments</i> , 2015 , e52118	1.6	75
130	Variant-aware saturating mutagenesis using multiple Cas9 nucleases identifies regulatory elements at trait-associated loci. <i>Nature Genetics</i> , 2017 , 49, 625-634	36.3	73
129	Acquired Tissue-Specific Promoter Bivalency Is a Basis for PRC2 Necessity in Adult Cells. <i>Cell</i> , 2016 , 165, 1389-1400	56.2	73
128	Polycomb Repressive Complex 2 Is a Barrier to KRAS-Driven Inflammation and Epithelial-Mesenchymal Transition in Non-Small-Cell Lung Cancer. <i>Cancer Cell</i> , 2016 , 29, 17-31	24.3	70
127	Myeloproliferative neoplasms can be initiated from a single hematopoietic stem cell expressing JAK2-V617F. <i>Journal of Experimental Medicine</i> , 2014 , 211, 2213-30	16.6	68
126	Partial deletion of the alpha-globin structural gene in human alpha-thalassaemia. <i>Nature</i> , 1980 , 286, 538-40	50.4	67
125	Human genetic variation alters CRISPR-Cas9 on- and off-targeting specificity at therapeutically implicated loci. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E11257-E11266	11.5	66
124	Emerging Genetic Therapy for Sickle Cell Disease. <i>Annual Review of Medicine</i> , 2019 , 70, 257-271	17.4	65
123	EHMT1 and EHMT2 inhibition induces fetal hemoglobin expression. <i>Blood</i> , 2015 , 126, 1930-9	2.2	64
122	Regulation of the Serum Concentration of Thrombopoietin in Thrombocytopenic NF-E2 Knockout Mice. <i>Blood</i> , 1997 , 90, 1821-1827	2.2	64
121	The Polycomb-Dependent Epigenome Controls β Cell Dysfunction, Dedifferentiation, and Diabetes. <i>Cell Metabolism</i> , 2018 , 27, 1294-1308.e7	24.6	64
120	Hemoglobin switching β surprise: the versatile transcription factor BCL11A is a master repressor of fetal hemoglobin. <i>Current Opinion in Genetics and Development</i> , 2015 , 33, 62-70	4.9	62

119	Early pre-B cells from normal and X-linked agammaglobulinaemia produce C mu without an attached VH region. <i>Nature</i> , 1983 , 304, 355-8	50.4	61
118	Recent progress in understanding and manipulating haemoglobin switching for the haemoglobinopathies. <i>British Journal of Haematology</i> , 2018 , 180, 630-643	4.5	60
117	Genome-wide CRISPR-Cas9 Screen Identifies Leukemia-Specific Dependence on a Pre-mRNA Metabolic Pathway Regulated by DCPS. <i>Cancer Cell</i> , 2018 , 33, 386-400.e5	24.3	57
116	Single-Cell Transcript Profiles Reveal Multilineage Priming in Early Progenitors Derived from Lgr5(+) Intestinal Stem Cells. <i>Cell Reports</i> , 2016 , 16, 2053-2060	10.6	56
115	Serum-Based Culture Conditions Provoke Gene Expression Variability in Mouse Embryonic Stem Cells as Revealed by Single-Cell Analysis. <i>Cell Reports</i> , 2016 , 14, 956-965	10.6	56
114	An Engineered CRISPR-Cas9 Mouse Line for Simultaneous Readout of Lineage Histories and Gene Expression Profiles in Single Cells. <i>Cell</i> , 2020 , 181, 1410-1422.e27	56.2	55
113	Chronic Myelogenous Leukemia- Initiating Cells Require Polycomb Group Protein EZH2. <i>Cancer Discovery</i> , 2016 , 6, 1237-1247	24.4	55
112	BORIS promotes chromatin regulatory interactions in treatment-resistant cancer cells. <i>Nature</i> , 2019 , 572, 676-680	50.4	55
111	Bcl11a Deficiency Leads to Hematopoietic Stem Cell Defects with an Aging-like Phenotype. <i>Cell Reports</i> , 2016 , 16, 3181-3194	10.6	53
110	Mouse microcytic anaemia caused by a defect in the gene encoding the globin enhancer-binding protein NF-E2. <i>Nature</i> , 1993 , 362, 768-70	50.4	52
109	Ezh2 Controls an Early Hematopoietic Program and Growth and Survival Signaling in Early T Cell Precursor Acute Lymphoblastic Leukemia. <i>Cell Reports</i> , 2016 , 14, 1953-65	10.6	51
108	Scl binds to primed enhancers in mesoderm to regulate hematopoietic and cardiac fate divergence. <i>EMBO Journal</i> , 2015 , 34, 759-77	13	50
107	Regulation of embryonic haematopoietic multipotency by EZH1. <i>Nature</i> , 2018 , 553, 506-510	50.4	48
106	PRC2 Is Required to Maintain Expression of the Maternal Gtl2-Rian-Mirg Locus by Preventing De Novo DNA Methylation in Mouse Embryonic Stem Cells. <i>Cell Reports</i> , 2015 , 12, 1456-70	10.6	46
105	SnapShot: hematopoiesis. <i>Cell</i> , 2008 , 132, 712	56.2	46
104	Rational targeting of a NuRD subcomplex guided by comprehensive in situ mutagenesis. <i>Nature Genetics</i> , 2019 , 51, 1149-1159	36.3	44
103	Single-Cell Analysis Identifies LY6D as a Marker Linking Castration-Resistant Prostate Luminal Cells to Prostate Progenitors and Cancer. <i>Cell Reports</i> , 2018 , 25, 3504-3518.e6	10.6	43
102	Extensive Recovery of Embryonic Enhancer and Gene Memory Stored in Hypomethylated Enhancer DNA. <i>Molecular Cell</i> , 2019 , 74, 542-554.e5	17.6	42

101	Integrated design, execution, and analysis of arrayed and pooled CRISPR genome-editing experiments. <i>Nature Protocols</i> , 2018 , 13, 946-986	18.8	42
100	The histone demethylase UTX regulates the lineage-specific epigenetic program of invariant natural killer T cells. <i>Nature Immunology</i> , 2017 , 18, 184-195	19.1	40
99	Flow-induced protein kinase A-CREB pathway acts via BMP signaling to promote HSC emergence. <i>Journal of Experimental Medicine</i> , 2015 , 212, 633-48	16.6	40
98	The mTORC1/4E-BP pathway coordinates hemoglobin production with L-leucine availability. <i>Science Signaling</i> , 2015 , 8, ra34	8.8	39
97	Control of human hemoglobin switching by LIN28B-mediated regulation of BCL11A translation. <i>Nature Genetics</i> , 2020 , 52, 138-145	36.3	38
96	Chipping away at the embryonic stem cell network. <i>Cell</i> , 2005 , 122, 828-30	56.2	38
95	Customizing the genome as therapy for the hemoglobinopathies. <i>Blood</i> , 2016 , 127, 2536-45	2.2	38
94	CUT&RUNTools: a flexible pipeline for CUT&RUN processing and footprint analysis. <i>Genome Biology</i> , 2019 , 20, 192	18.3	37
93	Regulation of Peripheral Nerve Myelin Maintenance by Gene Repression through Polycomb Repressive Complex 2. <i>Journal of Neuroscience</i> , 2015 , 35, 8640-52	6.6	37
92	Failure to replicate the STAP cell phenomenon. <i>Nature</i> , 2015 , 525, E6-9	50.4	34
91	Priming the hematopoietic pump. <i>Immunity</i> , 2003 , 19, 633-4	32.3	34
90	Adenosine-to-inosine RNA editing by ADAR1 is essential for normal murine erythropoiesis. <i>Experimental Hematology</i> , 2016 , 44, 947-63	3.1	31
89	Hemoglobin genetics: recent contributions of GWAS and gene editing. <i>Human Molecular Genetics</i> , 2016 , 25, R99-R105	5.6	31
88	EED orchestration of heart maturation through interaction with HDACs is H3K27me3-independent. <i>ELife</i> , 2017 , 6,	8.9	30
87	Polycomb repressive complex 2 regulates skeletal growth by suppressing Wnt and TGF- β signalling. <i>Nature Communications</i> , 2016 , 7, 12047	17.4	29
86	Genome-wide association studies of hematologic phenotypes: a window into human hematopoiesis. <i>Current Opinion in Genetics and Development</i> , 2013 , 23, 339-44	4.9	29
85	Medicine. Sickle cell disease at 100 years. <i>Science</i> , 2010 , 329, 291-2	33.3	29
84	MEDICINE. Paying for future success in gene therapy. <i>Science</i> , 2016 , 352, 1059-61	33.3	29

83	Interferon- β signaling promotes embryonic HSC maturation. <i>Blood</i> , 2016 , 128, 204-16	2.2	28
82	The human von Willebrand factor gene. Structure of the 5' region. <i>FEBS Journal</i> , 1988 , 171, 51-7		28
81	Functional Proteomic Analysis of Repressive Histone Methyltransferase Complexes Reveals ZNF518B as a G9A Regulator. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 1435-46	7.6	27
80	DNA methylation in adult stem cells: new insights into self-renewal. <i>Epigenetics</i> , 2010 , 5, 189-93	5.7	26
79	Strict in vivo specificity of the erythroid enhancer. <i>Blood</i> , 2016 , 128, 2338-2342	2.2	26
78	PRC2 loss induces chemoresistance by repressing apoptosis in T cell acute lymphoblastic leukemia. <i>Journal of Experimental Medicine</i> , 2018 , 215, 3094-3114	16.6	26
77	First critical repressive H3K27me3 marks in embryonic stem cells identified using designed protein inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10125-10130	11.5	24
76	LSD1 is essential for oocyte meiotic progression by regulating CDC25B expression in mice. <i>Nature Communications</i> , 2015 , 6, 10116	17.4	23
75	Transcription Factor GATA-2 Is Required for Proliferation/Survival of Early Hematopoietic Cells and Mast Cell Formation, But Not for Erythroid and Myeloid Terminal Differentiation. <i>Blood</i> , 1997 , 89, 3636-3643	3.2	23
74	Erythropoietin signaling regulates heme biosynthesis. <i>ELife</i> , 2017 , 6,	8.9	22
73	Angiopoietin-like proteins stimulate HSPC development through interaction with notch receptor signaling. <i>ELife</i> , 2015 , 4,	8.9	22
72	Calpain 2 activation of P-TEFb drives megakaryocyte morphogenesis and is disrupted by leukemogenic GATA1 mutation. <i>Developmental Cell</i> , 2013 , 27, 607-20	10.2	21
71	PRMT1-Mediated Translation Regulation Is a Crucial Vulnerability of Cancer. <i>Cancer Research</i> , 2017 , 77, 4613-4625	10.1	21
70	Functional interrogation of non-coding DNA through CRISPR genome editing. <i>Methods</i> , 2017 , 121-122, 118-129	4.6	19
69	TAF5L and TAF6L Maintain Self-Renewal of Embryonic Stem Cells via the MYC Regulatory Network. <i>Molecular Cell</i> , 2019 , 74, 1148-1163.e7	17.6	19
68	Inactivation of Eed impedes MLL-AF9-mediated leukemogenesis through Cdkn2a-dependent and Cdkn2a-independent mechanisms in a murine model. <i>Experimental Hematology</i> , 2015 , 43, 930-935.e6	3.1	19
67	Yap1 safeguards mouse embryonic stem cells from excessive apoptosis during differentiation. <i>ELife</i> , 2018 , 7,	8.9	19
66	Transcription factor competition at the β -globin promoters controls hemoglobin switching. <i>Nature Genetics</i> , 2021 , 53, 511-520	36.3	18

65	Corepressor Rcor1 is essential for murine erythropoiesis. <i>Blood</i> , 2014 , 123, 3175-84	2.2	17
64	CRISPR-SURF: discovering regulatory elements by deconvolution of CRISPR tiling screen data. <i>Nature Methods</i> , 2018 , 15, 992-993	21.6	17
63	Hematopoietic stem cells develop in the absence of endothelial cadherin 5 expression. <i>Blood</i> , 2015 , 126, 2811-20	2.2	16
62	Enhancer dependence of cell-type-specific gene expression increases with developmental age. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 21450-21458	11.5	16
61	FAM210B is an erythropoietin target and regulates erythroid heme synthesis by controlling mitochondrial iron import and ferrochelatase activity. <i>Journal of Biological Chemistry</i> , 2018 , 293, 19797-19811	5.4	16
60	Multiplexed capture of spatial configuration and temporal dynamics of locus-specific 3D chromatin by biotinylated dCas9. <i>Genome Biology</i> , 2020 , 21, 59	18.3	15
59	Gene correction of reversed Kostmann disease phenotype in patient-specific induced pluripotent stem cells. <i>Blood Advances</i> , 2017 , 1, 903-914	7.8	15
58	Rb and hematopoiesis: stem cells to anemia. <i>Cell Division</i> , 2008 , 3, 13	2.8	15
57	14q32 and let-7 microRNAs regulate transcriptional networks in fetal and adult human erythroblasts. <i>Human Molecular Genetics</i> , 2018 , 27, 1411-1420	5.6	14
56	Post-meiotic transcription of phosphoglycerate-kinase 2 in mouse testes. <i>Bioscience Reports</i> , 1985 , 5, 1087-91	4.1	13
55	A molecular roadmap for induced multi-lineage trans-differentiation of fibroblasts by chemical combinations. <i>Cell Research</i> , 2017 , 27, 386-401	24.7	12
54	Recent advances in globin research using genome-wide association studies and gene editing. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1368, 5-10	6.5	12
53	The LSD1 Family of Histone Demethylases and the Pumilio Posttranscriptional Repressor Function in a Complex Regulatory Feedback Loop. <i>Molecular and Cellular Biology</i> , 2015 , 35, 4199-211	4.8	10
52	Downregulation of Endothelin Receptor B Contributes to Defective B Cell Lymphopoiesis in Trisomy 21 Pluripotent Stem Cells. <i>Scientific Reports</i> , 2018 , 8, 8001	4.9	10
51	Reduced Erg Dosage Impairs Survival of Hematopoietic Stem and Progenitor Cells. <i>Stem Cells</i> , 2017 , 35, 1773-1785	5.8	8
50	Dietary suppression of MHC class II expression in intestinal epithelial cells enhances intestinal tumorigenesis. <i>Cell Stem Cell</i> , 2021 , 28, 1922-1935.e5	18	8
49	Canonical PRC2 function is essential for mammary gland development and affects chromatin compaction in mammary organoids. <i>PLoS Biology</i> , 2018 , 16, e2004986	9.7	7
48	An Achilles Heel for MLL-Rearranged Leukemias: Writers and Readers of H3 Lysine 36 Dimethylation. <i>Cancer Discovery</i> , 2016 , 6, 700-2	24.4	5

47	Reactivation of a developmentally silenced embryonic globin gene. <i>Nature Communications</i> , 2021 , 12, 4439	17.4	5
46	ARID4B is critical for mouse embryonic stem cell differentiation towards mesoderm and endoderm, linking epigenetics to pluripotency exit. <i>Journal of Biological Chemistry</i> , 2020 , 295, 17738-17751	5.4	4
45	Inner nuclear protein Matrin-3 coordinates cell differentiation by stabilizing chromatin architecture. <i>Nature Communications</i> , 2021 , 12, 6241	17.4	4
44	Polycomb Repressive Complex 2 is essential for development and maintenance of a functional TEC compartment. <i>Scientific Reports</i> , 2018 , 8, 14335	4.9	4
43	A unified model of human hemoglobin switching through single-cell genome editing. <i>Nature Communications</i> , 2021 , 12, 4991	17.4	4
42	Identification Of BCL11A Structure-Function Domains For Fetal Hemoglobin Silencing. <i>Blood</i> , 2013 , 122, 435-435	2.2	3
41	A Congenital Anemia Reveals Distinct Targeting Mechanisms for Master Transcription Factor GATA1.. <i>Blood</i> , 2022 ,	2.2	2
40	A Genome-Wide Retroviral Insertional Mutagenesis Screen for Genes Cooperating with Truncated, Oncogenic GATA1s.. <i>Blood</i> , 2005 , 106, 2990-2990	2.2	2
39	A saturating mutagenesis CRISPR-Cas9-mediated functional genomic screen identifies and regulatory elements of in murine ESCs. <i>Journal of Biological Chemistry</i> , 2020 , 295, 15797-15809	5.4	2
38	Indispensable epigenetic control of thymic epithelial cell development and function by polycomb repressive complex 2. <i>Nature Communications</i> , 2021 , 12, 3933	17.4	2
37	MOLECULAR MEDICINE: Found in Translation. <i>Med</i> , 2021 , 2, 122-136	31.7	2
36	Mapping the evolving landscape of super-enhancers during cell differentiation. <i>Genome Biology</i> , 2021 , 22, 269	18.3	2
35	Regulation of Globin Gene Expression in Erythroid Cells. <i>FEBS Journal</i> , 2008 , 231, 271-281		1
34	Where does the message begin?. <i>Nature</i> , 1986 , 324, 21-21	50.4	1
33	The Hypomorphic Gata1 ^{low} Mutation Alters the Proliferation/Differentiation Potential of the Common Megakaryocytic-Erythroid Progenitor.. <i>Blood</i> , 2006 , 108, 2549-2549	2.2	1
32	mTOR Pathway Links Suppressed Autophagy to HDAC Inhibitor-Induced Apoptosis in Myeloid Leukemia,. <i>Blood</i> , 2011 , 118, 3614-3614	2.2	1
31	Hematopoietic SIN Lentiviral Micro RNA-Mediated Silencing of BCL11A: Pre-Clinical Evidence for a Sickle Cell Disease Gene-Therapy Trial. <i>Blood</i> , 2012 , 120, 753-753	2.2	1
30	Optimization of Bcl11a Knockdown By miRNA Scaffold Embedded Shrnas Leading to Enhanced Induction of Fetal Hemoglobin in Erythroid Cells for the Treatment of Beta-Hemoglobinopathies. <i>Blood</i> , 2014 , 124, 2150-2150	2.2	1

29	ADAR1 Is Essential For Erythroid Development. <i>Blood</i> , 2013 , 122, 9-9	2.2	1
28	A distinct core regulatory module enforces oncogene expression in KMT2A-rearranged leukemia.. <i>Genes and Development</i> , 2022 ,	12.6	1
27	Developmental maturation of the hematopoietic system controlled by a Lin28b-let-7-Cbx2 axis.. <i>Cell Reports</i> , 2022 , 39, 110587	10.6	1
26	Hypoxic, glycolytic metabolism is a vulnerability of B-acute lymphoblastic leukemia-initiating cells.. <i>Cell Reports</i> , 2022 , 39, 110752	10.6	1
25	Genome Medicine: stem cells, genomics and translational research. <i>Genome Medicine</i> , 2011 , 3, 34	14.4	0
24	Unleashing Cell-Intrinsic Inflammation As a Strategy to Kill AML Blasts. <i>Blood</i> , 2021 , 138, 3305-3305	2.2	0
23	The 2017 ASPHO distinguished career award goes to Holcombe E. Grier, MD. <i>Pediatric Blood and Cancer</i> , 2017 , 64 Suppl 1, e26483	3	
22	2014 William Allan Award: A hematologist's pursuit of hemoglobin genetics. <i>American Journal of Human Genetics</i> , 2015 , 96, 354-60	11	
21	Transcriptional Immunoediting of AML Cells after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Blood</i> , 2021 , 138, 647-647	2.2	
20	Placenta Is a Niche for Hematopoietic Stem Cells.. <i>Blood</i> , 2004 , 104, 2671-2671	2.2	
19	Developmental Stage-Selective Effect of Somatic Mutated GATA-1 in Down Syndrome AML M7--a Potential Basis for Transient Myeloproliferative Disorder.. <i>Blood</i> , 2004 , 104, 463-463	2.2	
18	Hematopoietic Stem Cells Emerge in the Placental Vasculature in the Absence of Circulation.. <i>Blood</i> , 2007 , 110, 1258-1258	2.2	
17	Rb Intrinsically Promotes Erythropoiesis by Coupling Cell Cycle Exit with Mitochondrial Biogenesis.. <i>Blood</i> , 2007 , 110, 638-638	2.2	
16	Genome-Wide CRISPR/Cas9 Screen Reveals That the Dcps Scavenger Decapping Enzyme Is Essential for AML Cell Survival. <i>Blood</i> , 2017 , 130, 782-782	2.2	
15	JAK2V617F and Loss of Ezh2 in Hematopoietic Cells Contribute Synergistically to Myeloproliferative Neoplasm Initiation Potential, and Accelerate Progression of Disease. <i>Blood</i> , 2014 , 124, 158-158	2.2	
14	Context Dependent Role of Polycomb Repressive Complex 2 in Acute Leukemia. <i>Blood</i> , 2014 , 124, 610-610	2.2	
13	An SCF-FBXW7 Ubiquitin Ligase Mediated Feedback Loop Facilitates GATA Factor Switching and Reinforces Commitment to Terminal Erythroid Maturation. <i>Blood</i> , 2014 , 124, 245-245	2.2	
12	Inflammatory Signaling Regulates Embryonic Hematopoietic Stem and Lymphoid Progenitor Cell Formation. <i>Blood</i> , 2014 , 124, 2902-2902	2.2	

11	Erythroid Cells Adapt to L-Leucine Scarcity By Reducing Hemoglobin Production Via the mTORC1/4E-BP Pathway. <i>Blood</i> , 2014 , 124, 2660-2660	2.2
10	Developmental Control of Polycomb Subunit Composition Mediates a Switch to Non-Canonical Functions during Hematopoiesis. <i>Blood</i> , 2014 , 124, 241-241	2.2
9	Hematopoietic Stem Cells Develop in the Absence of Endothelial Cadherin 5 Expression. <i>Blood</i> , 2015 , 126, 1165-1165	2.2
8	Gene Expression-Based Chemical Genomics Identifies Valproic Acid to Revert the Oncogenic Effect of GATA1s In Down Syndrome Megakaryoblastic Leukemia.. <i>Blood</i> , 2010 , 116, 3646-3646	2.2
7	Analysis of TIF1gamma Conditional Knockout Establishes a Requirement for the Differentiation of Multiple Hematopoietic Lineages. <i>Blood</i> , 2010 , 116, 744-744	2.2
6	Histone Demethylase LSD1 Is Required to Repress Hematopoietic Stem Cell Signatures in Mature Blood Cells to Permit Terminal Differentiation. <i>Blood</i> , 2011 , 118, 550-550	2.2
5	Haploinsufficiency of Dnmt1 Impairs Leukemia Stem Cell Function Through Derepression of Bivalent Chromatin Domains,. <i>Blood</i> , 2011 , 118, 3459-3459	2.2
4	Induction of Fetal Hemoglobin by Inactivation of HDAC1 or HDAC2 without Altering Cellular Proliferation. <i>Blood</i> , 2011 , 118, 354-354	2.2
3	Functional Evaluation of HbF-Associated Region of BCL11A Locus. <i>Blood</i> , 2011 , 118, 2148-2148	2.2
2	Reduced Erg Dosage Perturbs Fetal and Adult Hematopoiesis. <i>Blood</i> , 2012 , 120, 1189-1189	2.2
1	Scl/Tal1 Directly Activates Hematopoiesis and Represses Cardiogenesis During Mesodermal Diversification. <i>Blood</i> , 2012 , 120, 3446-3446	2.2