Stuart Orkin

List of Publications by Year in Descending Order

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	A Congenital Anemia Reveals Distinct Targeting Mechanisms for Master Transcription Factor GATA1.. *Blood*, **2022**,	2.2	2
207	A distinct core regulatory module enforces oncogene expression in KMT2A-rearranged leukemia.. *Genes and Development*, **2022**,	12.6	1
206	Developmental maturation of the hematopoietic system controlled by a Lin28b-let-7-Cbx2 axis.. *Cell Reports*, **2022**, 39, 110587	10.6	1
205	Hypoxic, glycolytic metabolism is a vulnerability of B-acute lymphoblastic leukemia-initiating cells.. *Cell Reports*, **2022**, 39, 110752	10.6	1
204	Transcriptional Immunoediting of AML Cells after Allogeneic Hematopoietic Stem Cell Transplantation. *Blood*, **2021**, 138, 647-647	2.2	
203	Unleashing Cell-Intrinsic Inflammation As a Strategy to Kill AML Blasts. *Blood*, **2021**, 138, 3305-3305	2.2	0
202	Inner nuclear protein Matrin-3 coordinates cell differentiation by stabilizing chromatin architecture. *Nature Communications*, **2021**, 12, 6241	17.4	4
201	Transcription factor competition at the □globin promoters controls hemoglobin switching. *Nature Genetics*, **2021**, 53, 511-520	36.3	18
200	Indispensable epigenetic control of thymic epithelial cell development and function by polycomb repressive complex 2. *Nature Communications*, **2021**, 12, 3933	17.4	2
199	Reactivation of a developmentally silenced embryonic globin gene. *Nature Communications*, **2021**, 12, 4439	17.4	5
198	MOLECULAR MEDICINE: Found in Translation. *Med*, **2021**, 2, 122-136	31.7	2
197	A unified model of human hemoglobin switching through single-cell genome editing. *Nature Communications*, **2021**, 12, 4991	17.4	4
196	Dietary suppression of MHC class II expression in intestinal epithelial cells enhances intestinal tumorigenesis. *Cell Stem Cell*, **2021**, 28, 1922-1935.e5	18	8
195	Mapping the evolving landscape of super-enhancers during cell differentiation. *Genome Biology*, **2021**, 22, 269	18.3	2
194	ARID4B is critical for mouse embryonic stem cell differentiation towards mesoderm and endoderm, linking epigenetics to pluripotency exit. *Journal of Biological Chemistry*, **2020**, 295, 17738-17751	5.4	4
193	An Engineered CRISPR-Cas9 Mouse Line for Simultaneous Readout of Lineage Histories and Gene Expression Profiles in Single Cells. *Cell*, **2020**, 181, 1410-1422.e27	56.2	55
192	Multiplexed capture of spatial configuration and temporal dynamics of locus-specific 3D chromatin by biotinylated dCas9. *Genome Biology*, **2020**, 21, 59	18.3	15

191	Control of human hemoglobin switching by LIN28B-mediated regulation of BCL11A translation. *Nature Genetics*, **2020**, 52, 138-145	36.3	38
190	A saturating mutagenesis CRISPR-Cas9-mediated functional genomic screen identifies and regulatory elements of in murine ESCs. *Journal of Biological Chemistry*, **2020**, 295, 15797-15809	5.4	2
189	Live-animal imaging of native haematopoietic stem and progenitor cells. *Nature*, **2020**, 578, 278-283	50.4	89
188	Enhancer dependence of cell-type-specific gene expression increases with developmental age. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 21450-21458	11.5	16
187	CUT&RUNTools: a flexible pipeline for CUT&RUN processing and footprint analysis. *Genome Biology* , **2019**, 20, 192	18.3	37
186	TAF5L and TAF6L Maintain Self-Renewal of Embryonic Stem Cells via the MYC Regulatory Network. *Molecular Cell*, **2019**, 74, 1148-1163.e7	17.6	19
185	Extensive Recovery of Embryonic Enhancer and Gene Memory Stored in Hypomethylated Enhancer DNA. *Molecular Cell*, **2019**, 74, 542-554.e5	17.6	42
184	BORIS promotes chromatin regulatory interactions in treatment-resistant cancer cells. *Nature*, **2019**, 572, 676-680	50.4	55
183	Rational targeting of a NuRD subcomplex guided by comprehensive in situ mutagenesis. *Nature Genetics*, **2019**, 51, 1149-1159	36.3	44
182	Emerging Genetic Therapy for Sickle Cell Disease. *Annual Review of Medicine*, **2019**, 70, 257-271	17.4	65
181	Genome-wide CRISPR-Cas9 Screen Identifies Leukemia-Specific Dependence on a Pre-mRNA Metabolic Pathway Regulated by DCPS. *Cancer Cell*, **2018**, 33, 386-400.e5	24.3	57
180	Mapping the Mouse Cell Atlas by Microwell-Seq. *Cell*, **2018**, 172, 1091-1107.e17	56.2	526
179	Dissecting super-enhancer hierarchy based on chromatin interactions. *Nature Communications*, **2018**, 9, 943	17.4	107
178	Integrated design, execution, and analysis of arrayed and pooled CRISPR genome-editing experiments. *Nature Protocols*, **2018**, 13, 946-986	18.8	42
177	14q32 and let-7 microRNAs regulate transcriptional networks in fetal and adult human erythroblasts. *Human Molecular Genetics*, **2018**, 27, 1411-1420	5.6	14
176	Regulation of embryonic haematopoietic multipotency by EZH1. *Nature*, **2018**, 553, 506-510	50.4	48
175	Direct Promoter Repression by BCL11A Controls the Fetal to Adult Hemoglobin Switch. *Cell*, **2018**, 173, 430-442.e17	56.2	182
174	Canonical PRC2 function is essential for mammary gland development and affects chromatin compaction in mammary organoids. *PLoS Biology*, **2018**, 16, e2004986	9.7	7

173	Yap1 safeguards mouse embryonic stem cells from excessive apoptosis during differentiation. *ELife* , **2018**, 7,	8.9	19
172	Recent progress in understanding and manipulating haemoglobin switching for the haemoglobinopathies. *British Journal of Haematology*, **2018**, 180, 630-643	4.5	60
171	PRC2 loss induces chemoresistance by repressing apoptosis in T cell acute lymphoblastic leukemia. *Journal of Experimental Medicine*, **2018**, 215, 3094-3114	16.6	26
170	Single-Cell Analysis Identifies LY6D as a Marker Linking Castration-Resistant Prostate Luminal Cells to Prostate Progenitors and Cancer. *Cell Reports*, **2018**, 25, 3504-3518.e6	10.6	43
169	CRISPR-SURF: discovering regulatory elements by deconvolution of CRISPR tiling screen data. *Nature Methods*, **2018**, 15, 992-993	21.6	17
168	Polycomb Repressive Complex 2 is essential for development and maintenance of a functional TEC compartment. *Scientific Reports*, **2018**, 8, 14335	4.9	4
167	FAM210B is an erythropoietin target and regulates erythroid heme synthesis by controlling mitochondrial iron import and ferrochelatase activity. *Journal of Biological Chemistry*, **2018**, 293, 19797-19811	5.4	16
166	Downregulation of Endothelin Receptor B Contributes to Defective B Cell Lymphopoiesis in Trisomy 21 Pluripotent Stem Cells. *Scientific Reports*, **2018**, 8, 8001	4.9	10
165	The Polycomb-Dependent Epigenome Controls β Cell Dysfunction, Dedifferentiation, and Diabetes. *Cell Metabolism*, **2018**, 27, 1294-1308.e7	24.6	64
164	A molecular roadmap for induced multi-lineage trans-differentiation of fibroblasts by chemical combinations. *Cell Research*, **2017**, 27, 386-401	24.7	12
163	Variant-aware saturating mutagenesis using multiple Cas9 nucleases identifies regulatory elements at trait-associated loci. *Nature Genetics*, **2017**, 49, 625-634	36.3	73
162	Transcription control by the ENL YEATS domain in acute leukaemia. *Nature*, **2017**, 543, 270-274	50.4	159
161	The 2017 ASPHO distinguished career award goes to Holcombe E. Grier, MD. *Pediatric Blood and Cancer*, **2017**, 64 Suppl 1, e26483	3	
160	Reduced Erg Dosage Impairs Survival of Hematopoietic Stem and Progenitor Cells. *Stem Cells*, **2017**, 35, 1773-1785	5.8	8
159	Functional interrogation of non-coding DNA through CRISPR genome editing. *Methods*, **2017**, 121-122, 118-129	4.6	19
158	The histone demethylase UTX regulates the lineage-specific epigenetic program of invariant natural killer T cells. *Nature Immunology*, **2017**, 18, 184-195	19.1	40
157	First critical repressive H3K27me3 marks in embryonic stem cells identified using designed protein inhibitor. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 10125-10130	11.5	24
156	Human genetic variation alters CRISPR-Cas9 on- and off-targeting specificity at therapeutically implicated loci. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E11257-E11266	11.5	66

155	PRMT1-Mediated Translation Regulation Is a Crucial Vulnerability of Cancer. *Cancer Research*, **2017**, 77, 4613-4625	10.1	21
154	Challenges and emerging directions in single-cell analysis. *Genome Biology*, **2017**, 18, 84	18.3	166
153	Gene correction of reversed Kostmann disease phenotype in patient-specific induced pluripotent stem cells. *Blood Advances*, **2017**, 1, 903-914	7.8	15
152	EED orchestration of heart maturation through interaction with HDACs is H3K27me3-independent. *ELife*, **2017**, 6,	8.9	30
151	Erythropoietin signaling regulates heme biosynthesis. *ELife*, **2017**, 6,	8.9	22
150	Genome-Wide CRISPR/Cas9 Screen Reveals That the Dcps Scavenger Decapping Enzyme Is Essential for AML Cell Survival. *Blood*, **2017**, 130, 782-782	2.2	
149	Single-Cell Transcript Profiles Reveal Multilineage Priming in Early Progenitors Derived from Lgr5(+) Intestinal Stem Cells. *Cell Reports*, **2016**, 16, 2053-2060	10.6	56
148	Polycomb repressive complex 2 regulates skeletal growth by suppressing Wnt and TGF-β signalling. *Nature Communications*, **2016**, 7, 12047	17.4	29
147	Chronic Myelogenous Leukemia- Initiating Cells Require Polycomb Group Protein EZH2. *Cancer Discovery*, **2016**, 6, 1237-1247	24.4	55
146	Interferon-β signaling promotes embryonic HSC maturation. *Blood*, **2016**, 128, 204-16	2.2	28
145	Adenosine-to-inosine RNA editing by ADAR1 is essential for normal murine erythropoiesis. *Experimental Hematology*, **2016**, 44, 947-63	3.1	31
144	Hemoglobin genetics: recent contributions of GWAS and gene editing. *Human Molecular Genetics*, **2016**, 25, R99-R105	5.6	31
143	Ezh2 Controls an Early Hematopoietic Program and Growth and Survival Signaling in Early T Cell Precursor Acute Lymphoblastic Leukemia. *Cell Reports*, **2016**, 14, 1953-65	10.6	51
142	Serum-Based Culture Conditions Provoke Gene Expression Variability in Mouse Embryonic Stem Cells as Revealed by Single-Cell Analysis. *Cell Reports*, **2016**, 14, 956-965	10.6	56
141	Transcription factors LRF and BCL11A independently repress expression of fetal hemoglobin. *Science*, **2016**, 351, 285-9	33.3	187
140	Recent advances in globin research using genome-wide association studies and gene editing. *Annals of the New York Academy of Sciences*, **2016**, 1368, 5-10	6.5	12
139	Polycomb Repressive Complex 2 Is a Barrier to KRAS-Driven Inflammation and Epithelial-Mesenchymal Transition in Non-Small-Cell Lung Cancer. *Cancer Cell*, **2016**, 29, 17-31	24.3	70
138	Dynamic Control of Enhancer Repertoires Drives Lineage and Stage-Specific Transcription during Hematopoiesis. *Developmental Cell*, **2016**, 36, 9-23	10.2	144

137	An Achilles' Heel for MLL-Rearranged Leukemias: Writers and Readers of H3 Lysine 36 Dimethylation. *Cancer Discovery*, **2016**, 6, 700-2	24.4	5
136	Lineage-specific BCL11A knockdown circumvents toxicities and reverses sickle phenotype. *Journal of Clinical Investigation*, **2016**, 126, 3868-3878	15.9	100
135	Analyzing CRISPR genome-editing experiments with CRISPResso. *Nature Biotechnology*, **2016**, 34, 695-7	44.5	286
134	Loss of Ezh2 synergizes with JAK2-V617F in initiating myeloproliferative neoplasms and promoting myelofibrosis. *Journal of Experimental Medicine*, **2016**, 213, 1479-96	16.6	76
133	Strict in vivo specificity of the erythroid enhancer. *Blood*, **2016**, 128, 2338-2342	2.2	26
132	MEDICINE. Paying for future success in gene therapy. *Science*, **2016**, 352, 1059-61	33.3	29
131	Acquired Tissue-Specific Promoter Bivalency Is a Basis for PRC2 Necessity in Adult Cells. *Cell*, **2016**, 165, 1389-1400	56.2	73
130	High-fat diet enhances stemness and tumorigenicity of intestinal progenitors. *Nature*, **2016**, 531, 53-8	50.4	388
129	The Public Repository of Xenografts Enables Discovery and Randomized Phase II-like Trials in Mice. *Cancer Cell*, **2016**, 29, 574-586	24.3	154
128	Genetic treatment of a molecular disorder: gene therapy approaches to sickle cell disease. *Blood*, **2016**, 127, 839-48	2.2	105
127	Customizing the genome as therapy for the hemoglobinopathies. *Blood*, **2016**, 127, 2536-45	2.2	38
126	Bcl11a Deficiency Leads to Hematopoietic Stem Cell Defects with an Aging-like Phenotype. *Cell Reports*, **2016**, 16, 3181-3194	10.6	53
125	miRNA-embedded shRNAs for Lineage-specific BCL11A Knockdown and Hemoglobin F Induction. *Molecular Therapy*, **2015**, 23, 1465-74	11.7	82
124	Inactivation of Eed impedes MLL-AF9-mediated leukemogenesis through Cdkn2a-dependent and Cdkn2a-independent mechanisms in a murine model. *Experimental Hematology*, **2015**, 43, 930-935.e6	3.1	19
123	2014 William Allan Award: A hematologist's pursuit of hemoglobin genetics. *American Journal of Human Genetics*, **2015**, 96, 354-60	11	
122	Flow-induced protein kinase A-CREB pathway acts via BMP signaling to promote HSC emergence. *Journal of Experimental Medicine*, **2015**, 212, 633-48	16.6	40
121	Opposing Roles for the lncRNA Haunt and Its Genomic Locus in Regulating HOXA Gene Activation during Embryonic Stem Cell Differentiation. *Cell Stem Cell*, **2015**, 16, 504-16	18	198
120	Hemoglobin switching's surprise: the versatile transcription factor BCL11A is a master repressor of fetal hemoglobin. *Current Opinion in Genetics and Development*, **2015**, 33, 62-70	4.9	62

119	Failure to replicate the STAP cell phenomenon. *Nature*, **2015**, 525, E6-9	50.4	34
118	The LSD1 Family of Histone Demethylases and the Pumilio Posttranscriptional Repressor Function in a Complex Regulatory Feedback Loop. *Molecular and Cellular Biology*, **2015**, 35, 4199-211	4.8	10
117	Functional footprinting of regulatory DNA. *Nature Methods*, **2015**, 12, 927-30	21.6	103
116	BCL11A enhancer dissection by Cas9-mediated in situ saturating mutagenesis. *Nature*, **2015**, 527, 192-7	50.4	528
115	PRC2 Is Required to Maintain Expression of the Maternal Gtl2-Rian-Mirg Locus by Preventing De Novo DNA Methylation in Mouse Embryonic Stem Cells. *Cell Reports*, **2015**, 12, 1456-70	10.6	46
114	SWI/SNF-mutant cancers depend on catalytic and non-catalytic activity of EZH2. *Nature Medicine*, **2015**, 21, 1491-6	50.5	252
113	EHMT1 and EHMT2 inhibition induces fetal hemoglobin expression. *Blood*, **2015**, 126, 1930-9	2.2	64
112	Hematopoietic stem cells develop in the absence of endothelial cadherin 5 expression. *Blood*, **2015**, 126, 2811-20	2.2	16
111	Regulation of Peripheral Nerve Myelin Maintenance by Gene Repression through Polycomb Repressive Complex 2. *Journal of Neuroscience*, **2015**, 35, 8640-52	6.6	37
110	Functional Proteomic Analysis of Repressive Histone Methyltransferase Complexes Reveals ZNF518B as a G9A Regulator. *Molecular and Cellular Proteomics*, **2015**, 14, 1435-46	7.6	27
109	The mTORC1/4E-BP pathway coordinates hemoglobin production with L-leucine availability. *Science Signaling*, **2015**, 8, ra34	8.8	39
108	Ezh2 regulates differentiation and function of natural killer cells through histone methyltransferase activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15988-93	11.5	87
107	LSD1 is essential for oocyte meiotic progression by regulating CDC25B expression in mice. *Nature Communications*, **2015**, 6, 10116	17.4	23
106	Developmental control of polycomb subunit composition by GATA factors mediates a switch to non-canonical functions. *Molecular Cell*, **2015**, 57, 304-316	17.6	95
105	Scl binds to primed enhancers in mesoderm to regulate hematopoietic and cardiac fate divergence. *EMBO Journal*, **2015**, 34, 759-77	13	50
104	Generation of genomic deletions in mammalian cell lines via CRISPR/Cas9. *Journal of Visualized Experiments*, **2015**, e52118	1.6	75
103	BCL11A deletions result in fetal hemoglobin persistence and neurodevelopmental alterations. *Journal of Clinical Investigation*, **2015**, 125, 2363-8	15.9	100
102	Angiopoietin-like proteins stimulate HSPC development through interaction with notch receptor signaling. *ELife*, **2015**, 4,	8.9	22

101	Hematopoietic Stem Cells Develop in the Absence of Endothelial Cadherin 5 Expression. *Blood*, **2015**, 126, 1165-1165	2.2	
100	Reprogramming committed murine blood cells to induced hematopoietic stem cells with defined factors. *Cell*, **2014**, 157, 549-64	56.2	236
99	Distinct and combinatorial functions of Jmjd2b/Kdm4b and Jmjd2c/Kdm4c in mouse embryonic stem cell identity. *Molecular Cell*, **2014**, 53, 32-48	17.6	83
98	Polycomb repressive complex 2 regulates normal hematopoietic stem cell function in a developmental-stage-specific manner. *Cell Stem Cell*, **2014**, 14, 68-80	18	220
97	A comparative encyclopedia of DNA elements in the mouse genome. *Nature*, **2014**, 515, 355-64	50.4	1026
96	Mouse regulatory DNA landscapes reveal global principles of cis-regulatory evolution. *Science*, **2014** , 346, 1007-12	33.3	184
95	Myeloproliferative neoplasms can be initiated from a single hematopoietic stem cell expressing JAK2-V617F. *Journal of Experimental Medicine*, **2014**, 211, 2213-30	16.6	68
94	Inflammatory signaling regulates embryonic hematopoietic stem and progenitor cell production. *Genes and Development*, **2014**, 28, 2597-612	12.6	161
93	Characterization of genomic deletion efficiency mediated by clustered regularly interspaced short palindromic repeats (CRISPR)/Cas9 nuclease system in mammalian cells. *Journal of Biological Chemistry*, **2014**, 289, 21312-24	5.4	236
92	Corepressor Rcor1 is essential for murine erythropoiesis. *Blood*, **2014**, 123, 3175-84	2.2	17
91	Complementary genomic approaches highlight the PI3K/mTOR pathway as a common vulnerability in osteosarcoma. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E5564-73	11.5	275
90	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. *Blood*, **2014**, 124, 2150-2150	2.2	1
89	JAK2V617F and Loss of Ezh2 in Hematopoietic Cells Contribute Synergistically to Myeloproliferative Neoplasm Initiation Potential, and Accelerate Progression of Disease. *Blood*, **2014**, 124, 158-158	2.2	
88	Context Dependent Role of Polycomb Repressive Complex 2 in Acute Leukemia. *Blood*, **2014**, 124, 610-610	2.2	
87	An SCF-FBXW7 Ubiquitin Ligase Mediated Feedback Loop Facilitates GATA Factor Switching and Reinforces Commitment to Terminal Erythroid Maturation. *Blood*, **2014**, 124, 245-245	2.2	
86	Inflammatory Signaling Regulates Embryonic Hematopoietic Stem and Lymphoid Progenitor Cell Formation. *Blood*, **2014**, 124, 2902-2902	2.2	
85	Erythroid Cells Adapt to L-Leucine Scarcity By Reducing Hemoglobin Production Via the mTORC1/4E-BP Pathway. *Blood*, **2014**, 124, 2660-2660	2.2	
84	Developmental Control of Polycomb Subunit Composition Mediates a Switch to Non-Canonical Functions during Hematopoiesis. *Blood*, **2014**, 124, 241-241	2.2	

83	An erythroid enhancer of BCL11A subject to genetic variation determines fetal hemoglobin level. *Science*, **2013**, 342, 253-7	33.3	400
82	Calpain 2 activation of P-TEFb drives megakaryocyte morphogenesis and is disrupted by leukemogenic GATA1 mutation. *Developmental Cell*, **2013**, 27, 607-20	10.2	21
81	Genome-wide association studies of hematologic phenotypes: a window into human hematopoiesis. *Current Opinion in Genetics and Development*, **2013**, 23, 339-44	4.9	29
80	Corepressor-dependent silencing of fetal hemoglobin expression by BCL11A. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 6518-23	11.5	155
79	Identification Of BCL11A Structure-Function Domains For Fetal Hemoglobin Silencing. *Blood*, **2013**, 122, 435-435	2.2	3
78	ADAR1 Is Essential For Erythroid Development. *Blood*, **2013**, 122, 9-9	2.2	1
77	MAnorm: a robust model for quantitative comparison of ChIP-Seq data sets. *Genome Biology*, **2012**, 13, R16	18.3	229
76	Hematopoietic SIN Lentiviral Micro RNA-Mediated Silencing of BCL11A: Pre-Clinical Evidence for a Sickle Cell Disease Gene-Therapy Trial. *Blood*, **2012**, 120, 753-753	2.2	1
75	Reduced Erg Dosage Perturbs Fetal and Adult Hematopoiesis. *Blood*, **2012**, 120, 1189-1189	2.2	
74	Scl/Tal1 Directly Activates Hematopoiesis and Represses Cardiogenesis During Mesodermal Diversification. *Blood*, **2012**, 120, 3446-3446	2.2	
73	MicroRNA-15a and -16-1 act via MYB to elevate fetal hemoglobin expression in human trisomy 13. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 1519-24	11.5	165
72	A functional element necessary for fetal hemoglobin silencing. *New England Journal of Medicine*, **2011**, 365, 807-14	59.2	136
71	Genome Medicine: stem cells, genomics and translational research. *Genome Medicine*, **2011**, 3, 34	14.4	0
70	Chromatin connections to pluripotency and cellular reprogramming. *Cell*, **2011**, 145, 835-50	56.2	305
69	Embryonic stem cell-specific signatures in cancer: insights into genomic regulatory networks and implications for medicine. *Genome Medicine*, **2011**, 3, 75	14.4	89
68	Correction of sickle cell disease in adult mice by interference with fetal hemoglobin silencing. *Science*, **2011**, 334, 993-6	33.3	237
67	mTOR Pathway Links Suppressed Autophagy to HDAC Inhibitor-Induced Apoptosis in Myeloid Leukemia,. *Blood*, **2011**, 118, 3614-3614	2.2	1
66	Histone Demethylase LSD1 Is Required to Repress Hematopoietic Stem Cell Signatures in Mature Blood Cells to Permit Terminal Differentiation. *Blood*, **2011**, 118, 550-550	2.2	

65	Haploinsufficiency of Dnmt1 Impairs Leukemia Stem Cell Function Through Derepression of Bivalent Chromatin Domains,. *Blood*, **2011**, 118, 3459-3459	2.2	
64	Induction of Fetal Hemoglobin by Inactivation of HDAC1 or HDAC2 without Altering Cellular Proliferation. *Blood*, **2011**, 118, 354-354	2.2	
63	Functional Evaluation of HbF-Associated Region of BCL11A Locus. *Blood*, **2011**, 118, 2148-2148	2.2	
62	Fine-mapping at three loci known to affect fetal hemoglobin levels explains additional genetic variation. *Nature Genetics*, **2010**, 42, 1049-51	36.3	208
61	Transcriptional silencing of {gamma}-globin by BCL11A involves long-range interactions and cooperation with SOX6. *Genes and Development*, **2010**, 24, 783-98	12.6	259
60	Medicine. Sickle cell disease at 100 years. *Science*, **2010**, 329, 291-2	33.3	29
59	DNA methylation in adult stem cells: new insights into self-renewal. *Epigenetics*, **2010**, 5, 189-93	5.7	26
58	Gene Expression-Based Chemical Genomics Identifies Valproic Acid to Revert the Oncogenic Effect of GATA1s In Down Syndrome Megakaryoblastic Leukemia.. *Blood*, **2010**, 116, 3646-3646	2.2	
57	Analysis of TIF1gamma Conditional Knockout Establishes a Requirement for the Differentiation of Multiple Hematopoietic Lineages. *Blood*, **2010**, 116, 744-744	2.2	
56	A genome-wide RNAi screen identifies a new transcriptional module required for self-renewal. *Genes and Development*, **2009**, 23, 837-48	12.6	310
55	Developmental and species-divergent globin switching are driven by BCL11A. *Nature*, **2009**, 460, 1093-7	50.4	292
54	Use of in vivo biotinylation to study protein-protein and protein-DNA interactions in mouse embryonic stem cells. *Nature Protocols*, **2009**, 4, 506-17	18.8	112
53	Regulation of Globin Gene Expression in Erythroid Cells. *FEBS Journal*, **2008**, 231, 271-281		1
52	Hematopoiesis: an evolving paradigm for stem cell biology. *Cell*, **2008**, 132, 631-44	56.2	1680
51	SnapShot: hematopoiesis. *Cell*, **2008**, 132, 712	56.2	46
50	Genome-wide association study shows BCL11A associated with persistent fetal hemoglobin and amelioration of the phenotype of beta-thalassemia. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1620-5	11.5	469
49	DNA polymorphisms at the BCL11A, HBS1L-MYB, and beta-globin loci associate with fetal hemoglobin levels and pain crises in sickle cell disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 11869-74	11.5	428
48	Human fetal hemoglobin expression is regulated by the developmental stage-specific repressor BCL11A. *Science*, **2008**, 322, 1839-42	33.3	618

47	Rb and hematopoiesis: stem cells to anemia. *Cell Division*, **2008**, 3, 13	2.8	15
46	Hematopoietic Stem Cells Emerge in the Placental Vasculature in the Absence of Circulation.. *Blood* , **2007**, 110, 1258-1258	2.2	
45	Rb Intrinsically Promotes Erythropoiesis by Coupling Cell Cycle Exit with Mitochondrial Biogenesis.. *Blood*, **2007**, 110, 638-638	2.2	
44	The Hypomorphic Gata1low Mutation Alters the Proliferation/Differentiation Potential of the Common Megakaryocytic-Erythroid Progenitor.. *Blood*, **2006**, 108, 2549-2549	2.2	1
43	Chipping away at the embryonic stem cell network. *Cell*, **2005**, 122, 828-30	56.2	38
42	A Genome-Wide Retroviral Insertional Mutagenesis Screen for Genes Cooperating with Truncated, Oncogenic GATA1s.. *Blood*, **2005**, 106, 2990-2990	2.2	2
41	Placenta Is a Niche for Hematopoietic Stem Cells.. *Blood*, **2004**, 104, 2671-2671	2.2	
40	Developmental Stage-Selective Effect of Somatically Mutated GATA-1 in Down Syndrome AML M7--a Potential Basis for Transient Myeloproliferative Disorder.. *Blood*, **2004**, 104, 463-463	2.2	
39	Priming the hematopoietic pump. *Immunity*, **2003**, 19, 633-4	32.3	34
38	Transcriptional regulation of erythropoiesis: an affair involving multiple partners. *Oncogene*, **2002**, 21, 3368-76	9.2	480
37	Hematopoiesis and stem cells: plasticity versus developmental heterogeneity. *Nature Immunology*, **2002**, 3, 323-8	19.1	217
36	Distinct domains of the GATA-1 cofactor FOG-1 differentially influence erythroid versus megakaryocytic maturation. *Molecular and Cellular Biology*, **2002**, 22, 4268-79	4.8	84
35	Gonadal differentiation, sex determination and normalSryexpression in mice require direct interaction between transcription partners GATA4 and FOG2. *Development (Cambridge)*, **2002**, 129, 4627-4634	6.6	244
34	The E2F1-3 transcription factors are essential for cellular proliferation. *Nature*, **2001**, 414, 457-62	50.4	490
33	Friend of GATA-1 represses GATA-3-dependent activity in CD4+ T cells. *Journal of Experimental Medicine*, **2001**, 194, 1461-71	16.6	78
32	Familial dyserythropoietic anaemia and thrombocytopenia due to an inherited mutation in GATA1. *Nature Genetics*, **2000**, 24, 266-70	36.3	424
31	GATA-1 and Erythropoietin Cooperate to Promote Erythroid Cell Survival by Regulating bcl-xL Expression. *Blood*, **1999**, 94, 87-96	2.2	312
30	Transcription factor GATA-1 in megakaryocyte development. *Stem Cells*, **1998**, 16 Suppl 2, 79-83	5.8	81

29	Regulation of the Serum Concentration of Thrombopoietin in Thrombocytopenic NF-E2 Knockout Mice. *Blood*, **1997**, 90, 1821-1827	2.2	64
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