

Mitchell J Weiss

List of Publications by Year in descending order

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154
papers

18,356
citations

11608

70
h-index

13338

130
g-index

159
all docs

159
docs citations

159
times ranked

22570
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative encyclopedia of DNA elements in the mouse genome. <i>Nature</i> , 2014, 515, 355-364.	13.7	1,444
2	An early haematopoietic defect in mice lacking the transcription factor GATA-2. <i>Nature</i> , 1994, 371, 221-226.	13.7	1,314
3	FOG, a Multitype Zinc Finger Protein, Acts as a Cofactor for Transcription Factor GATA-1 in Erythroid and Megakaryocytic Differentiation. <i>Cell</i> , 1997, 90, 109-119.	13.5	685
4	Novel insights into erythroid development revealed through in vitro differentiation of GATA-1 embryonic stem cells.. <i>Genes and Development</i> , 1994, 8, 1184-1197.	2.7	518
5	Mitoferrin is essential for erythroid iron assimilation. <i>Nature</i> , 2006, 440, 96-100.	13.7	514
6	Familial dyserythropoietic anaemia and thrombocytopenia due to an inherited mutation in GATA1. <i>Nature Genetics</i> , 2000, 24, 266-270.	9.4	474
7	Proximity among Distant Regulatory Elements at the \hat{I}^2 -Globin Locus Requires GATA-1 and FOG-1. <i>Molecular Cell</i> , 2005, 17, 453-462.	4.5	449
8	Stress-induced Apoptosis Associated with Null Mutation of ADAR1 RNA Editing Deaminase Gene. <i>Journal of Biological Chemistry</i> , 2004, 279, 4952-4961.	1.6	424
9	An encyclopedia of mouse DNA elements (Mouse ENCODE). <i>Genome Biology</i> , 2012, 13, 418.	13.9	410
10	Isolation and characterization of a cDNA encoding a human liver/bone/kidney-type alkaline phosphatase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 7182-7186.	3.3	376
11	Global regulation of erythroid gene expression by transcription factor GATA-1. <i>Blood</i> , 2004, 104, 3136-3147.	0.6	372
12	GATA-1-dependent transcriptional repression of GATA-2 via disruption of positive autoregulation and domain-wide chromatin remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8811-8816.	3.3	324
13	A missense mutation in the human liver/bone/kidney alkaline phosphatase gene causing a lethal form of hypophosphatasia.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 7666-7669.	3.3	322
14	Erythroid-Cell-Specific Properties of Transcription Factor GATA-1 Revealed by Phenotypic Rescue of a Gene-Targeted Cell Line. <i>Molecular and Cellular Biology</i> , 1997, 17, 1642-1651.	1.1	315
15	A GATA-1-regulated microRNA locus essential for erythropoiesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3333-3338.	3.3	309
16	Chromothripsis as an on-target consequence of CRISPR-Cas9 genome editing. <i>Nature Genetics</i> , 2021, 53, 895-905.	9.4	305
17	An abundant erythroid protein that stabilizes free \hat{I}^{\pm} -haemoglobin. <i>Nature</i> , 2002, 417, 758-763.	13.7	287
18	Transcription factor GATA-1 permits survival and maturation of erythroid precursors by preventing apoptosis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 9623-9627.	3.3	286

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19	A genome-editing strategy to treat β^2 -hemoglobinopathies that recapitulates a mutation associated with a benign genetic condition. <i>Nature Medicine</i> , 2016, 22, 987-990.	15.2	279
20	Insights into GATA-1-Mediated Gene Activation versus Repression via Genome-wide Chromatin Occupancy Analysis. <i>Molecular Cell</i> , 2009, 36, 682-695.	4.5	278
21	CREB-Binding Protein Acetylates Hematopoietic Transcription Factor GATA-1 at Functionally Important Sites. <i>Molecular and Cellular Biology</i> , 1999, 19, 3496-3505.	1.1	234
22	Unlinking an lncRNA from Its Associated cis Element. <i>Molecular Cell</i> , 2016, 62, 104-110.	4.5	216
23	Anemia: progress in molecular mechanisms and therapies. <i>Nature Medicine</i> , 2015, 21, 221-230.	15.2	209
24	miR-451 protects against erythroid oxidant stress by repressing 14-3-3 σ . <i>Genes and Development</i> , 2010, 24, 1620-1633.	2.7	192
25	Hemoglobin Variants: Biochemical Properties and Clinical Correlates. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013, 3, a011858-a011858.	2.9	192
26	Self-Renewing Endodermal Progenitor Lines Generated from Human Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2012, 10, 371-384.	5.2	190
27	GATA-1-Mediated Proliferation Arrest during Erythroid Maturation. <i>Molecular and Cellular Biology</i> , 2003, 23, 5031-5042.	1.1	186
28	Erythroid GATA1 function revealed by genome-wide analysis of transcription factor occupancy, histone modifications, and mRNA expression. <i>Genome Research</i> , 2009, 19, 2172-2184.	2.4	184
29	A global role for EKLF in definitive and primitive erythropoiesis. <i>Blood</i> , 2006, 107, 3359-3370.	0.6	182
30	Base editing of haematopoietic stem cells rescues sickle cell disease in mice. <i>Nature</i> , 2021, 595, 295-302.	13.7	175
31	Lineage and species-specific long noncoding RNAs during erythro-megakaryocytic development. <i>Blood</i> , 2014, 123, 1927-1937.	0.6	169
32	ABC-me: a novel mitochondrial transporter induced by GATA-1 during erythroid differentiation. <i>EMBO Journal</i> , 2000, 19, 2492-2502.	3.5	138
33	Perturbation of fetal liver hematopoietic stem and progenitor cell development by trisomy 21. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17579-17584.	3.3	138
34	Loss of β -hemoglobin-stabilizing protein impairs erythropoiesis and exacerbates β^2 -thalassemia. <i>Journal of Clinical Investigation</i> , 2004, 114, 1457-1466.	3.9	138
35	Molecular Mechanism of AHSP-Mediated Stabilization of β -Hemoglobin. <i>Cell</i> , 2004, 119, 629-640.	13.5	137
36	Formation of a Tissue-Specific Histone Acetylation Pattern by the Hematopoietic Transcription Factor GATA-1. <i>Molecular and Cellular Biology</i> , 2003, 23, 1334-1340.	1.1	130

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37	Nucleotide and amino acid sequences of human intestinal alkaline phosphatase: close homology to placental alkaline phosphatase.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 1234-1238.	3.3	129
38	miR-451 Regulates Dendritic Cell Cytokine Responses to Influenza Infection. Journal of Immunology, 2012, 189, 5965-5975.	0.4	127
39	Loss of the miR-144/451 cluster impairs ischaemic preconditioning-mediated cardioprotection by targeting Rac-1. Cardiovascular Research, 2012, 94, 379-390.	1.8	124
40	UBE2O remodels the proteome during terminal erythroid differentiation. Science, 2017, 357, .	6.0	121
41	Genome editing of HBG1 and HBG2 to induce fetal hemoglobin. Blood Advances, 2019, 3, 3379-3392.	2.5	121
42	In vitro differentiation of murine embryonic stem cells. New approaches to old problems.. Journal of Clinical Investigation, 1996, 97, 591-595.	3.9	120
43	Trisomy 21 enhances human fetal erythro-megakaryocytic development. Blood, 2008, 112, 4503-4506.	0.6	117
44	Cooperative activities of hematopoietic regulators recruit RNA polymerase II to a tissue-specific chromatin domain. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11760-11765.	3.3	113
45	Megakaryocyte biology and related disorders. Journal of Clinical Investigation, 2005, 115, 3332-3338.	3.9	112
46	Dynamics of the epigenetic landscape during erythroid differentiation after GATA1 restoration. Genome Research, 2011, 21, 1659-1671.	2.4	110
47	Trisomy 21-associated defects in human primitive hematopoiesis revealed through induced pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17573-17578.	3.3	108
48	Repression of c-Kit and Its Downstream Substrates by GATA-1 Inhibits Cell Proliferation during Erythroid Maturation. Molecular and Cellular Biology, 2005, 25, 6747-6759.	1.1	106
49	Early block to erythromegakaryocytic development conferred by loss of transcription factor GATA-1. Blood, 2006, 107, 87-97.	0.6	104
50	Patient-derived induced pluripotent stem cells recapitulate hematopoietic abnormalities of juvenile myelomonocytic leukemia. Blood, 2013, 121, 4925-4929.	0.6	104
51	Regional assignment of the gene for human liver/bone/kidney alkaline phosphatase to chromosome 1p36.1â€“p34. Genomics, 1988, 2, 139-143.	1.3	103
52	Evaluation of alpha hemoglobin stabilizing protein (AHSP) as a genetic modifier in patients with β^2 thalassemia. Blood, 2004, 103, 3296-3299.	0.6	102
53	Structure of oxidized β^2 -haemoglobin bound to AHSP reveals a protective mechanism for haem. Nature, 2005, 435, 697-701.	13.7	102
54	Occupancy by key transcription factors is a more accurate predictor of enhancer activity than histone modifications or chromatin accessibility. Epigenetics and Chromatin, 2015, 8, 16.	1.8	100

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55	cDNA cloning of alkaline phosphatase from rat osteosarcoma (ROS 17/2.8) cells. <i>Journal of Bone and Mineral Research</i> , 1987, 2, 161-164.	3.1	99
56	LRF Is an Essential Downstream Target of GATA1 in Erythroid Development and Regulates BIM-Dependent Apoptosis. <i>Developmental Cell</i> , 2009, 17, 527-540.	3.1	97
57	Biophysical Characterization of the $\hat{\alpha}$ -Globin Binding Protein $\hat{\alpha}$ -Hemoglobin Stabilizing Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 40602-40609.	1.6	96
58	An erythroid chaperone that facilitates folding of $\hat{\alpha}$ -globin subunits for hemoglobin synthesis. <i>Journal of Clinical Investigation</i> , 2007, 117, 1856-1865.	3.9	96
59	Graded repression of PU.1/Sfp1 gene transcription by GATA factors regulates hematopoietic cell fate. <i>Blood</i> , 2009, 114, 983-994.	0.6	89
60	Divergent functions of hematopoietic transcription factors in lineage priming and differentiation during erythro-megakaryopoiesis. <i>Genome Research</i> , 2014, 24, 1932-1944.	2.4	88
61	Level of RUNX1 activity is critical for leukemic predisposition but not for thrombocytopenia. <i>Blood</i> , 2015, 125, 930-940.	0.6	87
62	CD19 is a major B cell receptor-independent activator of MYC-driven B-lymphomagenesis. <i>Journal of Clinical Investigation</i> , 2012, 122, 2257-2266.	3.9	87
63	Products of two common alleles at the locus for human placental alkaline phosphatase differ by seven amino acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 5597-5601.	3.3	86
64	STAT1 promotes megakaryopoiesis downstream of GATA-1 in mice. <i>Journal of Clinical Investigation</i> , 2007, 117, 3890-3899.	3.9	85
65	Ribosomal and hematopoietic defects in induced pluripotent stem cells derived from Diamond Blackfan anemia patients. <i>Blood</i> , 2013, 122, 912-921.	0.6	82
66	MicroRNA expression in maturing murine megakaryocytes. <i>Blood</i> , 2010, 116, e128-e138.	0.6	80
67	alpha-Haemoglobin stabilising protein is a quantitative trait gene that modifies the phenotype of beta-thalassaemia. <i>British Journal of Haematology</i> , 2006, 133, 675-682.	1.2	79
68	Targeted Application of Human Genetic Variation Can Improve Red Blood Cell Production from Stem Cells. <i>Cell Stem Cell</i> , 2016, 18, 73-78.	5.2	78
69	Integrated protein quality-control pathways regulate free $\hat{\alpha}$ -globin in murine $\hat{\alpha}$ -thalassemia. <i>Blood</i> , 2012, 119, 5265-5275.	0.6	77
70	miR-144 attenuates the host response to influenza virus by targeting the TRAF6-IRF7 signaling axis. <i>PLoS Pathogens</i> , 2017, 13, e1006305.	2.1	77
71	Clonal genetic and hematopoietic heterogeneity among human-induced pluripotent stem cell lines. <i>Blood</i> , 2013, 122, 2047-2051.	0.6	75
72	Trim58 Degrades Dynein and Regulates Terminal Erythropoiesis. <i>Developmental Cell</i> , 2014, 30, 688-700.	3.1	75

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73	Designer blood: creating hematopoietic lineages from embryonic stem cells. <i>Blood</i> , 2006, 107, 1265-1275.	0.6	72
74	Mammalian Casein Kinase 1 \pm and Its Leishmanial Ortholog Regulate Stability of IFNAR1 and Type I Interferon Signaling. <i>Molecular and Cellular Biology</i> , 2009, 29, 6401-6412.	1.1	72
75	Dynamic shifts in occupancy by TAL1 are guided by GATA factors and drive large-scale reprogramming of gene expression during hematopoiesis. <i>Genome Research</i> , 2014, 24, 1945-1962.	2.4	71
76	Pharmacogenetics for Safe Codeine Use in Sickle Cell Disease. <i>Pediatrics</i> , 2016, 138, .	1.0	71
77	MicroRNA-486-5p is an erythroid oncomiR of the myeloid leukemias of Down syndrome. <i>Blood</i> , 2015, 125, 1292-1301.	0.6	66
78	Pluripotent stem cells reveal erythroid-specific activities of the GATA1 N-terminus. <i>Journal of Clinical Investigation</i> , 2015, 125, 993-1005.	3.9	65
79	Experimental validation of predicted mammalian erythroid cis-regulatory modules. <i>Genome Research</i> , 2006, 16, 1480-1492.	2.4	56
80	The Poly(C) Binding Protein Pcbp2 and Its Retrotransposed Derivative Pcbp1 Are Independently Essential to Mouse Development. <i>Molecular and Cellular Biology</i> , 2016, 36, 304-319.	1.1	55
81	Long noncoding RNAs in biology and hematopoiesis. <i>Blood</i> , 2013, 121, 4842-4846.	0.6	53
82	Erythro-megakaryocytic transcription factors associated with hereditary anemia. <i>Blood</i> , 2014, 123, 3080-3088.	0.6	50
83	Chaperoning erythropoiesis. <i>Blood</i> , 2009, 113, 2136-2144.	0.6	49
84	Population analysis of the alpha hemoglobin stabilizing protein (AHSP) gene identifies sequence variants that alter expression and function. <i>American Journal of Hematology</i> , 2008, 83, 103-108.	2.0	48
85	SLC35D3 delivery from megakaryocyte early endosomes is required for platelet dense granule biogenesis and is differentially defective in Hermansky-Pudlak syndrome models. <i>Blood</i> , 2012, 120, 404-414.	0.6	47
86	An Iron Responsive Element-like Stem-Loop Regulates $\hat{\pm}$ -Hemoglobin-stabilizing Protein mRNA. <i>Journal of Biological Chemistry</i> , 2008, 283, 26956-26964.	1.6	45
87	Development of acute megakaryoblastic leukemia in Down syndrome is associated with sequential epigenetic changes. <i>Blood</i> , 2013, 122, e33-e43.	0.6	44
88	The autophagy-activating kinase ULK1 mediates clearance of free $\hat{\pm}$ -globin in $\hat{2}$ -thalassemia. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	44
89	Protein Quality Control During Erythropoiesis and Hemoglobin Synthesis. <i>Hematology/Oncology Clinics of North America</i> , 2010, 24, 1071-1088.	0.9	43
90	Mutation-specific signaling profiles and kinase inhibitor sensitivities of juvenile myelomonocytic leukemia revealed by induced pluripotent stem cells. <i>Leukemia</i> , 2019, 33, 181-190.	3.3	43

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91	Hematopoietic Differentiation of Pluripotent Stem Cells in Culture. <i>Methods in Molecular Biology</i> , 2014, 1185, 181-194.	0.4	42
92	Role of Alpha Hemoglobin-Stabilizing Protein in Normal Erythropoiesis and β^2 -Thalassemia. <i>Annals of the New York Academy of Sciences</i> , 2005, 1054, 103-117.	1.8	41
93	A new β -Linc TM between noncoding RNAs and blood development: Figure 1.. <i>Genes and Development</i> , 2011, 25, 2555-2558.	2.7	41
94	Analysis of human β globin gene mutations that impair binding to the β hemoglobin stabilizing protein. <i>Blood</i> , 2009, 113, 5961-5969.	0.6	39
95	The Role of Alpha-Hemoglobin Stabilizing Protein in Redox Chemistry, Denaturation, and Hemoglobin Assembly. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 219-231.	2.5	39
96	An integrative view of the regulatory and transcriptional landscapes in mouse hematopoiesis. <i>Genome Research</i> , 2020, 30, 472-484.	2.4	38
97	Closing and sequence analysis of a cDNA plasmid for one of the rat liver glutathione S-transferase subunits. <i>Nucleic Acids Research</i> , 1982, 10, 5407-5419.	6.5	37
98	Biochemical Fates of β Hemoglobin Bound to β Hemoglobin-stabilizing Protein AHSP. <i>Journal of Biological Chemistry</i> , 2006, 281, 32611-32618.	1.6	37
99	The calcineurin-NFAT pathway negatively regulates megakaryopoiesis. <i>Blood</i> , 2013, 121, 3205-3215.	0.6	37
100	The severity of hereditary porphyria is modulated by the porphyrin exporter and Lan antigen ABCB6. <i>Nature Communications</i> , 2016, 7, 12353.	5.8	37
101	Single-nucleotide-level mapping of DNA regulatory elements that control fetal hemoglobin expression. <i>Nature Genetics</i> , 2021, 53, 869-880.	9.4	37
102	MicroRNAs in erythropoiesis. <i>Current Opinion in Hematology</i> , 2010, 17, 1.	1.2	36
103	Functional Regulation of Pre-B-cell Leukemia Homeobox Interacting Protein 1 (PBXIP1/HPIP) in Erythroid Differentiation. <i>Journal of Biological Chemistry</i> , 2012, 287, 5600-5614.	1.6	36
104	GATA-1 and Oct-1 Are Required for Expression of the Human β -Hemoglobin-stabilizing Protein Gene. <i>Journal of Biological Chemistry</i> , 2005, 280, 39016-39023.	1.6	34
105	Regulation of gene expression by miR-144/451 during mouse erythropoiesis. <i>Blood</i> , 2019, 133, 2518-2528.	0.6	33
106	miR-451 Deficiency Is Associated with Altered Endometrial Fibrinogen Alpha Chain Expression and Reduced Endometriotic Implant Establishment in an Experimental Mouse Model. <i>PLoS ONE</i> , 2014, 9, e100336.	1.1	32
107	Identification of Distal <i>cis</i> -Regulatory Elements at Mouse Mitoferrin Loci Using Zebrafish Transgenesis. <i>Molecular and Cellular Biology</i> , 2011, 31, 1344-1356.	1.1	31
108	<i>miR-144/451</i> represses the LKB1/AMPK/mTOR pathway to promote red cell precursor survival during recovery from acute anemia. <i>Haematologica</i> , 2018, 103, 406-416.	1.7	30

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109	Transcriptional enhancement by GATA1-occupied DNA segments is strongly associated with evolutionary constraint on the binding site motif. <i>Genome Research</i> , 2008, 18, 1896-1905.	2.4	29
110	Î±-Hemoglobin Stabilizing Protein (AHSP) Markedly Decreases the Redox Potential and Reactivity of Î±-Subunits of Human HbA with Hydrogen Peroxide. <i>Journal of Biological Chemistry</i> , 2013, 288, 4288-4298.	1.6	29
111	Post-translational Transformation of Methionine to Aspartate Is Catalyzed by Heme Iron and Driven by Peroxide. <i>Journal of Biological Chemistry</i> , 2014, 289, 22342-22357.	1.6	29
112	Inducible Gata1 suppression expands megakaryocyte-erythroid progenitors from embryonic stem cells. <i>Journal of Clinical Investigation</i> , 2015, 125, 2369-2374.	3.9	29
113	A Hemoglobin Variant Associated with Neonatal Cyanosis and Anemia. <i>New England Journal of Medicine</i> , 2011, 364, 1837-1843.	13.9	27
114	Dysregulation of the Transforming Growth Factor Î² Pathway in Induced Pluripotent Stem Cells Generated from Patients with Diamond Blackfan Anemia. <i>PLoS ONE</i> , 2015, 10, e0134878.	1.1	27
115	Subunit composition of rat liver glutathione S-transferases. <i>Biochemical and Biophysical Research Communications</i> , 1982, 108, 461-467.	1.0	26
116	The secreted lymphangiogenic factor CCBE1 is essential for fetal liver erythropoiesis. <i>Blood</i> , 2013, 121, 3228-3236.	0.6	26
117	First Identification of a Gene Defect for Hypophosphatasia: Evidence That Alkaline Phosphatase Acts in Skeletal Mineralization. <i>Connective Tissue Research</i> , 1989, 21, 99-106.	1.1	25
118	DYRK gene structure and erythroid-restricted features of DYRK3 gene expression. <i>Genomics</i> , 2005, 85, 117-130.	1.3	24
119	FBXO11-mediated proteolysis of BAHD1 relieves PRC2-dependent transcriptional repression in erythropoiesis. <i>Blood</i> , 2021, 137, 155-167.	0.6	22
120	Kinetics of Î±-Globin Binding to Î±-Hemoglobin Stabilizing Protein (AHSP) Indicate Preferential Stabilization of Hemichrome Folding Intermediate. <i>Journal of Biological Chemistry</i> , 2012, 287, 11338-11350.	1.6	21
121	Activation of Î³-globin gene expression by GATA1 and NF-Y in hereditary persistence of fetal hemoglobin. <i>Nature Genetics</i> , 2021, 53, 1177-1186.	9.4	21
122	Integrative proteomics reveals principles of dynamic phosphosignaling networks in human erythropoiesis. <i>Molecular Systems Biology</i> , 2020, 16, e9813.	3.2	21
123	Probe 8B/ESâ€² detects a second RFLP at the human liver/bone/kidney alkaline phosphatase (ALPL) locus. <i>Nucleic Acids Research</i> , 1988, 16, 2361-2361.	6.5	19
124	Cutting red-cell production. <i>Nature</i> , 1999, 401, 433-435.	13.7	19
125	A cis-Proline in Î±-Hemoglobin Stabilizing Protein Directs the Structural Reorganization of Î±-Hemoglobin. <i>Journal of Biological Chemistry</i> , 2009, 284, 29462-29469.	1.6	19
126	Insights into Hemoglobin Assembly through in Vivo Mutagenesis of Î±-Hemoglobin Stabilizing Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 11325-11337.	1.6	19

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127	Î±-Hemoglobin-stabilizing Protein Is a Sensitive and Specific Marker of Erythroid Precursors. American Journal of Surgical Pathology, 2012, 36, 1538-1547.	2.1	18
128	p47phox and reactive oxygen species production modulate expression of microRNA-451 in macrophages. Free Radical Research, 2015, 49, 25-34.	1.5	18
129	Amelioration of murine sickle cell disease by nonablative conditioning and Î³-globin gene-corrected bone marrow cells. Molecular Therapy - Methods and Clinical Development, 2015, 2, 15045.	1.8	17
130	A high-frequency RFLP at the human liver/bone/kidney-type alkaline phosphatase locus. Nucleic Acids Research, 1987, 15, 860-860.	6.5	16
131	Analysis of alpha hemoglobin stabilizing protein overexpression in murine Î²-thalassemia. American Journal of Hematology, 2010, 85, 820-822.	2.0	16
132	AHSP (Î±-haemoglobin-stabilizing protein) stabilizes apo-Î±-haemoglobin in a partially folded state. Biochemical Journal, 2010, 432, 275-282.	1.7	14
133	Dual function NFI factors control fetal hemoglobin silencing in adult erythroid cells. Nature Genetics, 2022, 54, 874-884.	9.4	13
134	Î±-Hemoglobin-stabilizing Protein (AHSP) Perturbs the Proximal Heme Pocket of Oxy-Î±-hemoglobin and Weakens the Iron-Oxygen Bond*. Journal of Biological Chemistry, 2013, 288, 19986-20001.	1.6	12
135	Dynamics of GATA1 binding and expression response in a GATA1-induced erythroid differentiation system. Genomics Data, 2015, 4, 1-7.	1.3	10
136	Nonspecific inhibition of erythropoiesis by short hairpin RNAs. Blood, 2018, 131, 2733-2736.	0.6	9
137	EMBRYONIC STEM CELLS AND HEMATOPOIETIC STEM CELL BIOLOGY. Hematology/Oncology Clinics of North America, 1997, 11, 1185-1198.	0.9	8
138	A Novel Haem-binding Interface in the 22kDa Haem-binding Protein p22HBP. Journal of Molecular Biology, 2006, 362, 287-297.	2.0	8
139	Immune hemolytic anemia with drug-induced antibodies to carboplatin and vincristine in a pediatric patient with an optic pathway glioma. Transfusion, 2014, 54, 2901-2905.	0.8	8
140	Apneic seizures with bradycardia in a newborn. Journal of Epilepsy, 1991, 4, 173-180.	0.4	7
141	Global Predictions and Tests of Erythroid Regulatory Regions. Cold Spring Harbor Symposia on Quantitative Biology, 2003, 68, 335-344.	2.0	7
142	NF-E2: a Novel Regulator of Alpha-hemoglobin Stabilizing Protein Gene Expression. Chinese Medical Sciences Journal, 2010, 25, 193-198.	0.2	5
143	Welcoming a new age for gene therapy in hematology. Blood, 2016, 127, 2523-2524.	0.6	5
144	Stem cells unscramble yolk sac hematopoiesis. Blood, 2009, 114, 1455-1456.	0.6	4

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145	Congenital dyserythropoietic anemias: III's a charm. <i>Blood</i> , 2013, 121, 4614-4615.	0.6	4
146	Nuclear Factors That Regulate Erythropoiesis. , 2009, , 62-85.		3
147	Image segmentation with implicit color standardization using cascaded EM: Detection of myelodysplastic syndromes. , 2012, , .		3
148	A Cell Culture Model of Resistance Arteries. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	3
149	Diseased red blood cells topple iron balance. <i>Nature Medicine</i> , 2007, 13, 1020-1021.	15.2	2
150	Handling heme. <i>Blood</i> , 2005, 106, 2225-2226.	0.6	1
151	Assembly of recently translated full-length and C-terminal truncated human $\hat{\beta}^3$ -globin chains with a pool of $\hat{\beta}^{\pm}$ -globin chains to form Hb F in a cell-free system. <i>Archives of Biochemistry and Biophysics</i> , 2007, 463, 60-67.	1.4	1
152	Getting by with a little help from our friends. <i>Current Opinion in Pediatrics</i> , 2010, 22, 1.	1.0	1
153	Personalized Platelet Transfusions: One Step Closer to the Clinic. <i>Cell Stem Cell</i> , 2014, 14, 425-426.	5.2	1
154	Iron-laden macrophage in autoimmune disease. <i>Blood</i> , 2014, 123, 469-469.	0.6	1