Mark D Fleming

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7635377/publications.pdf

Version: 2024-02-01

212 papers	27,072 citations	9234 74 h-index	5806 161 g-index
214 all docs	214 docs citations	214 times ranked	32404 citing authors

#	Article	IF	Citations
1	The M2 splice isoform of pyruvate kinase is important for cancer metabolism and tumour growth. Nature, 2008, 452, 230-233.	13.7	2,423
2	p63, a p53 Homolog at 3q27â€“29, Encodes Multiple Products with Transactivating, Death-Inducing, and Dominant-Negative Activities. Molecular Cell, 1998, 2, 305-316.	4.5	1,943
3	Positional cloning of zebrafish ferroportin1 identifies a conserved vertebrate iron exporter. Nature, 2000, 403, 776-781.	13.7	1,491
4	Microcytic anaemia mice have a mutation in Nramp2, a candidate iron transporter gene. Nature Genetics, 1997, 16, 383-386.	9.4	1,102
5	Regulation of progenitor cell proliferation and granulocyte function by microRNA-223. Nature, 2008, 451, 1125-1129.	13.7	1,097
6	Recurrent BRAF mutations in Langerhans cell histiocytosis. Blood, 2010, 116, 1919-1923.	0.6	996
7	Nramp2 is mutated in the anemic Belgrade (b) rat: Evidence of a role for Nramp2 in endosomal iron transport. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 1148-1153.	3.3	898
8	Human breast cancer cells generated by oncogenic transformation of primary mammary epithelial cells. Genes and Development, 2001, 15, 50-65.	2.7	752
9	Ineffective erythropoiesis in Stat5aâ^'/â^'5bâ^'/â^' mice due to decreased survival of early erythroblasts. Blood, 2001, 98, 3261-3273.	0.6	625
10	Mutations in TMPRSS6 cause iron-refractory iron deficiency anemia (IRIDA). Nature Genetics, 2008, 40, 569-571.	9.4	586
11	Identification of a ferrireductase required for efficient transferrin-dependent iron uptake in erythroid cells. Nature Genetics, 2005, 37, 1264-1269.	9.4	575
12	Inappropriate expression of hepcidin is associated with iron refractory anemia: implications for the anemia of chronic disease. Blood, 2002, 100, 3776-3781.	0.6	572
13	The Steap proteins are metalloreductases. Blood, 2006, 108, 1388-1394.	0.6	519
14	The Genomic Landscape of Pediatric Ewing Sarcoma. Cancer Discovery, 2014, 4, 1326-1341.	7.7	415
15	Telomerase contributes to tumorigenesis by a telomere length-independent mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12606-12611.	3.3	409
16	Myelopoiesis in the zebrafish, Danio rerio. Blood, 2001, 98, 643-651.	0.6	391
17	Common Variants at 10 Genomic Loci Influence Hemoglobin A1C Levels via Glycemic and Nonglycemic Pathways. Diabetes, 2010, 59, 3229-3239.	0.3	387
18	Musashi-2 regulates normal hematopoiesis and promotes aggressive myeloid leukemia. Nature Medicine, 2010, 16, 903-908.	15.2	338

#	Article	IF	Citations
19	A mouse model of juvenile hemochromatosis. Journal of Clinical Investigation, 2005, 115, 2187-2191.	3.9	319
20	Physiologic Expression of Sf3b1 K700E Causes Impaired Erythropoiesis, Aberrant Splicing, and Sensitivity to Therapeutic Spliceosome Modulation. Cancer Cell, 2016, 30, 404-417.	7.7	318
21	Heme-regulated eIF2alpha kinase (HRI) is required for translational regulation and survival of erythroid precursors in iron deficiency. EMBO Journal, 2001, 20, 6909-6918.	3.5	314
22	Highly penetrant, rapid tumorigenesis through conditional inversion of the tumor suppressor gene Snf5. Cancer Cell, 2002, 2, 415-425.	7.7	303
23	Haem homeostasis is regulated by the conserved and concerted functions of HRG-1 proteins. Nature, 2008, 453, 1127-1131.	13.7	275
24	Isolation and characterization of abaecin, a major antibacterial response peptide in the honeybee (Apis) Tj ETQq0 0 0 rgBT /Overlock 10	0.2	256
25	The C282Y Mutation Causing Hereditary Hemochromatosis Does Not Produce a Null Allele. Blood, 1999, 94, 9-11.	0.6	239
26	Cdk5rap2 regulates centrosome function and chromosome segregation in neuronal progenitors. Development (Cambridge), 2010, 137, 1907-1917.	1.2	233
27	Immortalization and transformation of primary human airway epithelial cells by gene transfer. Oncogene, 2002, 21, 4577-4586.	2.6	231
28	Mutations in mitochondrial carrier family gene SLC25A38 cause nonsyndromic autosomal recessive congenital sideroblastic anemia. Nature Genetics, 2009, 41, 651-653.	9.4	220
29	A missense mutation in TFRC, encoding transferrin receptor 1, causes combined immunodeficiency. Nature Genetics, 2016, 48, 74-78.	9.4	219
30	The G185R Mutation Disrupts Function of the Iron Transporter Nramp2. Blood, 1998, 92, 2157-2163.	0.6	210
31	The mitochondrial ATP-binding cassette transporter Abcb7 is essential in mice and participates in cytosolic ironâ€“sulfur cluster biogenesis. Human Molecular Genetics, 2006, 15, 953-964.	1.4	200
32	Lymphomas of the breast. Cancer, 2002, 94, 6-13.	2.0	197
33	HRG1 Is Essential for Heme Transport from the Phagolysosome of Macrophages during Erythrophagocytosis. Cell Metabolism, 2013, 17, 261-270.	7.2	183
34	An RNAi therapeutic targeting Tmprss6 decreases iron overload in Hfeâ^'/â^' mice and ameliorates anemia and iron overload in murine Î²-thalassemia intermedia. Blood, 2013, 121, 1200-1208.	0.6	180
35	The IRP1-HIF-2Î± Axis Coordinates Iron and Oxygen Sensing with Erythropoiesis and Iron Absorption. Cell Metabolism, 2013, 17, 282-290.	7.2	174
36	Erythropoietin stimulates phosphorylation and activation of GATA-1 via the PI3-kinase/AKT signaling pathway. Blood, 2006, 107, 907-915.	0.6	165

#	Article	IF	Citations
37	Internal sequence analysis of proteins separated on polyacrylamide gels at the submicrogram level: Improved methods, applications and gene cloning strategies. Electrophoresis, 1990, 11, 537-553.	1.3	163
38	Mutations in TRNT1 cause congenital sideroblastic anemia with immunodeficiency, fevers, and developmental delay (SIFD). Blood, 2014, 124, 2867-2871.	0.6	162
39	The molecular defect in hypotransferrinemic mice. Blood, 2000, 96, 1113-1118.	0.6	161
40	Perturbation of hepcidin expression by BMP type I receptor deletion induces iron overload in mice. Blood, 2011, 118, 4224-4230.	0.6	161
41	Abcb7, the gene responsible for X-linked sideroblastic anemia with ataxia, is essential for hematopoiesis. Blood, 2007, 109, 3567-3569.	0.6	151
42	SOD2-deficiency anemia: protein oxidation and altered protein expression reveal targets of damage, stress response, and antioxidant responsiveness. Blood, 2004, 104, 2565-2573.	0.6	147
43	Cybrd1 (duodenal cytochrome b) is not necessary for dietary iron absorption in mice. Blood, 2005, 106, 2879-2883.	0.6	147
44	Down-regulation of Bmp/Smad signaling by Tmprss6 is required for maintenance of systemic iron homeostasis. Blood, 2010, 115, 3817-3826.	0.6	145
45	Pathogenesis of Langerhans Cell Histiocytosis. Annual Review of Pathology: Mechanisms of Disease, 2013, 8, 1-20.	9.6	145
46	T-Lymphoblastic Lymphoma Cells Express High Levels of BCL2, S1P1, and ICAM1, Leading to a Blockade of Tumor Cell Intravasation. Cancer Cell, 2010, 18, 353-366.	7.7	141
47	Impact of hemochromatosis gene mutations on cardiac status in doxorubicinâ€treated survivors of childhood highâ€risk leukemia. Cancer, 2013, 119, 3555-3562.	2.0	128
48	Mutations in signal recognition particle SRP54 cause syndromic neutropenia with Shwachman-Diamondâ€like features. Journal of Clinical Investigation, 2017, 127, 4090-4103.	3.9	126
49	UBE2O remodels the proteome during terminal erythroid differentiation. Science, 2017, 357, .	6.0	121
50	The spleen as a diagnostic specimen. Cancer, 2001, 91, 2001-2009.	2.0	119
51	Loss of SPEF2 Function in Mice Results in Spermatogenesis Defects and Primary Ciliary Dyskinesia1. Biology of Reproduction, 2011, 85, 690-701.	1.2	118
52	Defective apoptosis and B-cell lymphomas in mice with p53 point mutation at Ser 23. EMBO Journal, 2004, 23, 3689-3699.	3.5	116
53	Systematic molecular genetic analysis of congenital sideroblastic anemia: Evidence for genetic heterogeneity and identification of novel mutations. Pediatric Blood and Cancer, 2010, 54, 273-278.	0.8	115
54	Endogenous oncogenic Nras mutation promotes aberrant GM-CSF signaling in granulocytic/monocytic precursors in a murine model of chronic myelomonocytic leukemia. Blood, 2010, 116, 5991-6002.	0.6	109

#	Article	IF	Citations
55	Genomic analysis of bone marrow failure and myelodysplastic syndromes reveals phenotypic and diagnostic complexity. Haematologica, 2015, 100, 42-48.	1.7	108
56	Primary Ciliary Dyskinesia in Mice Lacking the Novel Ciliary Protein Pcdp1. Molecular and Cellular Biology, 2008, 28, 949-957.	1.1	105
57	Distinct genetic pathways define pre-malignant versus compensatory clonal hematopoiesis in Shwachman-Diamond syndrome. Nature Communications, 2021, 12, 1334.	5.8	103
58	A novel syndrome of congenital sideroblastic anemia, B-cell immunodeficiency, periodic fevers, and developmental delay (SIFD). Blood, 2013, 122, 112-123.	0.6	101
59	X-linked gray platelet syndrome due to a GATA1 Arg216Gln mutation. Blood, 2007, 109, 3297-3299.	0.6	100
60	Iron Overload in Patients with Acute Leukemia or MDS Undergoing Myeloablative Stem Cell Transplantation. Biology of Blood and Marrow Transplantation, 2011, 17, 852-860.	2.0	98
61	The Regulation of Hepcidin and Its Effects on Systemic and Cellular Iron Metabolism. Hematology American Society of Hematology Education Program, 2008, 2008, 151-158.	0.9	96
62	Induced Pluripotent Stem Cells with a Mitochondrial DNA Deletion. Stem Cells, 2013, 31, 1287-1297.	1.4	92
63	Sideroblastic Anemia. Hematology/Oncology Clinics of North America, 2014, 28, 653-670.	0.9	92
64	The genetics of inherited sideroblastic anemias. Seminars in Hematology, 2002, 39, 270-281.	1.8	91
65	Oncogenic Kras-induced leukemogeneis: hematopoietic stem cells as the initial target and lineage-specific progenitors as the potential targets for final leukemic transformation. Blood, 2009, 113, 1304-1314.	0.6	91
66	Expression of the DMT1 (NRAMP2/DCT1) iron transporter in mice with genetic iron overload disorders. Blood, 2001, 97, 1138-1140.	0.6	90
67	Heme-regulated eIF2Î± kinase modifies the phenotypic severity of murine models of erythropoietic protoporphyria and Î²-thalassemia. Journal of Clinical Investigation, 2005, 115, 1562-1570.	3.9	89
68	Iron-responsive degradation of iron-regulatory protein 1 does not require the Feâ€“S cluster. EMBO Journal, 2006, 25, 544-553.	3.5	87
69	A mutation in Sec15l1 causes anemia in hemoglobin deficit (hbd) mice. Nature Genetics, 2005, 37, 1270-1273.	9.4	86
70	A mutation in a mitochondrial transmembrane protein is responsible for the pleiotropic hematological and skeletal phenotype of flexed-tail (f/f) mice. Genes and Development, 2001, 15, 652-657.	2.7	84
71	Immunosurveillance and Survivin-Specific T-Cell Immunity in Children With High-Risk Neuroblastoma. Journal of Clinical Oncology, 2006, 24, 5725-5734.	0.8	84
72	Structure of the membrane proximal oxidoreductase domain of human Steap3, the dominant ferrireductase of the erythroid transferrin cycle. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7410-7415.	3.3	83

#	Article	IF	Citations
73	Congenital Sideroblastic Anemias: Iron and Heme Lost in Mitochondrial Translation. Hematology American Society of Hematology Education Program, 2011, 2011, 525-531.	0.9	82
74	The placenta: the forgotten essential organ of iron transport. Nutrition Reviews, 2016, 74, 421-431.	2.6	80
75	Mitochondrial Atpif1 regulates haem synthesis in developing erythroblasts. Nature, 2012, 491, 608-612.	13.7	78
76	Congenital sideroblastic anemia due to mutations in the mitochondrial HSP70 homologue HSPA9. Blood, 2015, 126, 2734-2738.	0.6	78
77	Iron Transport Across Biologic Membranes. Nutrition Reviews, 1999, 57, 114-123.	2.6	75
78	Identification of a Steap3 endosomal targeting motif essential for normal iron metabolism. Blood, 2009, 113, 1805-1808.	0.6	75
79	CD4+/CD56+ Hematodermic Neoplasm (â€œBlastic Natural Killer Cell Lymphomaâ€). American Journal of Clinical Pathology, 2007, 128, 445-453.	0.4	74
80	Coincident expression of the chemokine receptors CCR6 and CCR7 by pathologic Langerhans cells in Langerhans cell histiocytosis. Blood, 2003, 101, 2473-2475.	0.6	73
81	Clinical features and outcomes of patients with Shwachman-Diamond syndrome and myelodysplastic syndrome or acute myeloid leukaemia: a multicentre, retrospective, cohort study. Lancet Haematology,the, 2020, 7, e238-e246.	2.2	73
82	Transferrin is a major determinant of hepcidin expression in hypotransferrinemic mice. Blood, 2011, 117, 630-637.	0.6	71
83	A Murine Model of Chronic Lymphocytic Leukemia Based on B Cell-Restricted Expression of Sf3b1 Mutation and Atm Deletion. Cancer Cell, 2019, 35, 283-296.e5.	7.7	71
84	AKT induces erythroid-cell maturation of JAK2-deficient fetal liver progenitor cells and is required for Epo regulation of erythroid-cell differentiation. Blood, 2006, 107, 1888-1891.	0.6	69
85	Combination therapy with a <scp>T</scp>mprss6<scp>RNA</scp>iâ€therapeutic and the oral iron chelator deferiprone additively diminishes secondary iron overload in a mouse model of Î²â€thalassemia intermedia. American Journal of Hematology, 2015, 90, 310-313.	2.0	69
86	nm1054: a spontaneous, recessive, hypochromic, microcytic anemia mutation in the mouse. Blood, 2005, 106, 3625-3631.	0.6	68
87	The molecular genetics of sideroblastic anemia. Blood, 2019, 133, 59-69.	0.6	68
88	Pathology of the Liver in Familial Hemophagocytic Lymphohistiocytosis. American Journal of Surgical Pathology, 2010, 34, 852-867.	2.1	64
89	Aggressive Langerhans cell histiocytosis following Tâ€ALL: Clonally related neoplasms with persistent expression of constitutively active NOTCH1. American Journal of Hematology, 2008, 83, 116-121.	2.0	63
90	Genetic variation in Mon1a affects protein trafficking and modifies macrophage iron loading in mice. Nature Genetics, 2007, 39, 1025-1032.	9.4	61

#	Article	IF	Citations
91	Differing impact of the deletion of hemochromatosisâ€associated molecules HFE and transferrin receptorâ€2 on the iron phenotype of mice lacking bone morphogenetic protein 6 or hemojuvelin. Hepatology, 2016, 63, 126-137.	3.6	57
92	Lack of Gdf11 does not improve anemia or prevent the activity of RAP-536 in a mouse model of Î²-thalassemia. Blood, 2019, 134, 568-572.	0.6	56
93	Hepcidin-Mediated Hypoferremia Disrupts Immune Responses to Vaccination and Infection. Med, 2021, 2, 164-179.e12.	2.2	53
94	High-Throughput Tyrosine Kinase Activity Profiling Identifies FAK as a Candidate Therapeutic Target in Ewing Sarcoma. Cancer Research, 2013, 73, 2873-2883.	0.4	49
95	Low iron promotes megakaryocytic commitment of megakaryocytic-erythroid progenitors in humans and mice. Blood, 2019, 134, 1547-1557.	0.6	49
96	LARS2 Variants Associated with Hydrops, Lactic Acidosis, Sideroblastic Anemia, and Multisystem Failure. JIMD Reports, 2015, 28, 49-57.	0.7	48
97	Splenic Pathology in Myelodysplasia. American Journal of Surgical Pathology, 1998, 22, 1255-1266.	2.1	48
98	Identification of a novel mutation (C321X) in HJV. Blood, 2004, 104, 2176-2177.	0.6	47
99	Hereditary xerocytosis revisited. American Journal of Hematology, 2014, 89, 1142-1146.	2.0	47
100	Transgenic HFEâ€dependent induction of hepcidin in mice does not require transferrin receptorâ€2. American Journal of Hematology, 2012, 87, 588-595.	2.0	46
101	Heme transport and erythropoiesis. Current Opinion in Chemical Biology, 2013, 17, 204-211.	2.8	46
102	Pearson marrow pancreas syndrome in patients suspected to have Diamond-Blackfan anemia. Blood, 2014, 124, 437-440.	0.6	44
103	Novel diagnostic DNA methylation episignatures expand and refine the epigenetic landscapes of Mendelian disorders. Human Genetics and Genomics Advances, 2022, 3, 100075.	1.0	42
104	Loss of the Acyl-CoA Binding Protein (Acbp) Results in Fatty Acid Metabolism Abnormalities in Mouse Hair and Skin. Journal of Investigative Dermatology, 2007, 127, 16-23.	0.3	41
105	Characterization of a Murine High-Affinity Thiamine Transporter, Slc19a2. Molecular Genetics and Metabolism, 2001, 74, 273-280.	0.5	40
106	Xâ€linked sideroblastic anemia due to ALAS2 intron 1 enhancer element GATAâ€binding site mutations. American Journal of Hematology, 2014, 89, 315-319.	2.0	39
107	Mammalian iron transport: An unexpected link between metal homeostasis and host defense. Translational Research, 1998, 132, 464-468.	2.4	37
108	Congenital macrothrombocytopenia with focal myelofibrosis due to mutations in human G6b-B is rescued in humanized mice. Blood, 2018, 132, 1399-1412.	0.6	37

#	Article	IF	Citations
109	Modulation of Hepcidin as Therapy for Primary and Secondary Iron Overload Disorders. Hematology/Oncology Clinics of North America, 2014, 28, 387-401.	0.9	36
110	Emi1 Maintains Genomic Integrity during Zebrafish Embryogenesis and Cooperates with p53 in Tumor Suppression. Molecular and Cellular Biology, 2009, 29, 5911-5922.	1.1	33
111	The Crystal Structure of Six-transmembrane Epithelial Antigen of the Prostate 4 (Steap4), a Ferri/Cuprireductase, Suggests a Novel Interdomain Flavin-binding Site. Journal of Biological Chemistry, 2013, 288, 20668-20682.	1.6	33
112	A recurring mutation in the respiratory complex 1 protein NDUFB11 is responsible for a novel form of X-linked sideroblastic anemia. Blood, 2016, 128, 1913-1917.	0.6	33
113	Potential biomarkers of bortezomib activity in mantle cell lymphoma from the phase 2 PINNACLE trial. Leukemia and Lymphoma, 2010, 51, 1269-1277.	0.6	31
114	Failure to define window of time for autologous tumor vaccination in patients with newly diagnosed or relapsed acute lymphoblastic leukemia. Experimental Hematology, 2005, 33, 286-294.	0.2	30
115	The Human-Specific BOLA2 Duplication Modifies Iron Homeostasis and Anemia Predisposition in Chromosome 16p11.2 Autism Individuals. American Journal of Human Genetics, 2019, 105, 947-958.	2.6	30
116	Evidence for a protective role of the Gardos channel against hemolysis in murine spherocytosis. Blood, 2005, 106, 1454-1459.	0.6	29
117	Molecular insights into mechanisms of iron transport. Current Opinion in Hematology, 1999, 6, 61.	1.2	29
118	High-Throughput Matrix-Assisted Laser Desorption Ionization-Time-of-Flight Mass Spectrometry Method for Quantification of Hepcidin in Human Urine. Analytical Chemistry, 2010, 82, 1551-1555.	3.2	28
119	A competitive enzyme-linked immunosorbent assay specific for murine hepcidin-1: correlation with hepatic mRNA expression in established and novel models of dysregulated iron homeostasis. Haematologica, 2015, 100, 167-177.	1.7	28
120	Erythropoiesis in the absence of janus-kinase 2: BCR-ABL induces red cell formation in JAK2â^'/â^' hematopoietic progenitors. Blood, 2001, 98, 2948-2957.	0.6	27
121	Indolent T-lymphoblastic Proliferation With Disseminated Multinodal Involvement and Partial CD33 Expression. American Journal of Surgical Pathology, 2014, 38, 1298-1304.	2.1	27
122	The developmental stage of the hematopoietic niche regulates lineage in MLL-rearranged leukemia. Journal of Experimental Medicine, 2019, 216, 527-538.	4.2	27
123	Pseudouridine synthase 1 deficient mice, a model for Mitochondrial Myopathy with Sideroblastic Anemia, exhibit muscle morphology and physiology alterations. Scientific Reports, 2016, 6, 26202.	1.6	26
124	Pediatric aplastic anemia and refractory cytopenia: A retrospective analysis assessing outcomes and histomorphologic predictors. American Journal of Hematology, 2015, 90, 320-326.	2.0	24
125	Hepcidin induction by transgenic overexpression of Hfe does not require the Hfe cytoplasmic tail, but does require hemojuvelin. Blood, 2010, 116, 5679-5687.	0.6	23
126	Bone Marrow Morphology Associated With GermlineRUNX1Mutations in Patients With Familial Platelet Disorder With Associated Myeloid Malignancy. Pediatric and Developmental Pathology, 2019, 22, 315-328.	0.5	23

#	Article	IF	Citations
127	Hematologic complications with age in Shwachman-Diamond syndrome. Blood Advances, 2022, 6, 297-306.	2.5	23
128	Male infertility and thiamine-dependent erythroid hypoplasia in mice lacking thiamine transporter Slc19a2. Molecular Genetics and Metabolism, 2003, 80, 234-241.	0.5	22
129	Effects of Testosterone on Erythropoiesis in a Female Mouse Model of Anemia of Inflammation. Endocrinology, 2016, 157, 2937-2946.	1.4	21
130	Mitochondrial heme: an exit strategy at last. Journal of Clinical Investigation, 2012, 122, 4328-4330.	3.9	21
131	Design and Validation of a High-Throughput Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry Method for Quantification of Hepcidin in Human Plasma. Analytical Chemistry, 2011, 83, 8357-8362.	3.2	20
132	Characterization of mitochondrial ferritinâ€deficient mice. American Journal of Hematology, 2010, 85, 958-960.	2.0	19
133	The phenotypic spectrum of germline YARS2 variants: from isolated sideroblastic anemia to mitochondrial myopathy, lactic acidosis and sideroblastic anemia 2. Haematologica, 2018, 103, 2008-2015.	1.7	19
134	Evidence in the UK Biobank for the underdiagnosis of erythropoietic protoporphyria. Genetics in Medicine, 2021, 23, 140-148.	1.1	17
135	RNAiâ€mediated reduction of hepatic Tmprss6 diminishes anemia and secondary iron overload in a splenectomized mouse model of Î²â€thalassemia intermedia. American Journal of Hematology, 2018, 93, 745-750.	2.0	16
136	Normalizing hepcidin predicts TMPRSS6 mutation status in patients with chronic iron deficiency. Blood, 2018, 132, 448-452.	0.6	16
137	Maternal Iron Deficiency Modulates Placental Transcriptome and Proteome in Mid-Gestation of Mouse Pregnancy. Journal of Nutrition, 2021, 151, 1073-1083.	1.3	16
138	Hemojuvelin is essential for transferrin-dependent and transferrin-independent hepcidin expression in mice. Haematologica, 2012, 97, 189-192.	1.7	15
139	Genomeâ€wide association study followâ€up identifies cyclin A2 as a regulator of the transition through cytokinesis during terminal erythropoiesis. American Journal of Hematology, 2015, 90, 386-391.	2.0	15
140	Mutations in the iron-sulfur cluster biogenesis protein HSCB cause congenital sideroblastic anemia. Journal of Clinical Investigation, 2020, 130, 5245-5256.	3.9	13
141	A tincture of hepcidin cures all: the potential for hepcidin therapeutics. Journal of Clinical Investigation, 2010, 120, 4187-4190.	3.9	13
142	A novel rat model of hereditary hemochromatosis due to a mutation in transferrin receptor 2. Comparative Medicine, 2013, 63, 143-55.	0.4	13
143	Association of unbalanced translocation der(1;7) with germline GATA2 mutations. Blood, 2021, 138, 2441-2445.	0.6	12
144	X-Linked Gray Platelet Syndrome Due to a GATA1 Arg216Gln Mutation.. Blood, 2005, 106, 5-5.	0.6	12

#	Article	IF	Citations
145	The G185R Mutation Disrupts Function of the Iron Transporter Nramp2. Blood, 1998, 92, 2157-2163.	0.6	12
146	Mutations in the Serum/Glucocorticoid Regulated Kinase 3 (Sgk3) Are Responsible for the Mouse Fuzzy (fz) Hair Phenotype. Journal of Investigative Dermatology, 2008, 128, 730-732.	0.3	11
147	SLC25A38 congenital sideroblastic anemia: Phenotypes and genotypes of 31 individuals from 24 families, including 11 novel mutations, and a review of the literature. Human Mutation, 2021, 42, 1367-1383.	1.1	11
148	Absence of Dendritic Reticulum Cell Staining Is Helpful for Distinguishing T-Cell-Rich B-Cell Lymphoma From Lymphocyte Predominance Hodgkin's Disease. Applied Immunohistochemistry & Molecular Morphology, 1998, 6, 16-22.	2.0	10
149	The molecular defect in hypotransferrinemic mice. Blood, 2000, 96, 1113-1118.	0.6	10
150	Recurrent heteroplasmy for the MT-ATP6 p.Ser148Asn (m.8969G>A) mutation in patients with syndromic congenital sideroblastic anemia of variable clinical severity. Haematologica, 2018, 103, e561-e563.	1.7	8
151	Histologic and Laboratory Characteristics of Symptomatic and Asymptomatic Castleman Disease in the Pediatric Population. American Journal of Clinical Pathology, 2020, 153, 821-832.	0.4	8
152	ITK deficiency presenting as autoimmune lymphoproliferative syndrome. Journal of Allergy and Clinical Immunology, 2021, 147, 743-745.e1.	1.5	8
153	SBDS protein expression patterns in the bone marrow. Pediatric Blood and Cancer, 2010, 55, 546-549.	0.8	7
154	A polymorphism in the leptin gene promoter is associated with anemia in patients with HIV disease. Blood, 2011, 118, 5401-5408.	0.6	7
155	QTLs for murine red blood cell parameters in LG/J and SM/J F2 and advanced intercross lines. Mammalian Genome, 2012, 23, 356-366.	1.0	7
156	A novel TERC CR4/CR5 domain mutation causes telomere disease via decreased TERT binding. Blood, 2016, 128, 2089-2092.	0.6	7
157	Hereditary myopathies associated with hematological abnormalities. Muscle and Nerve, 2022, 65, 374-390.	1.0	7
158	Iron Deficiency Anemia Associated with an Error of Iron Metabolism in Two Siblings: A Thirty Year Follow Up. Hematology, 1996, 1, 65-73.	0.7	6
159	Murine mutants in the study of systemic iron metabolism and its disorders: An update on recent advances. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1444-1450.	1.9	6
160	Identification and characterization of a novel murine allele of Tmprss6. Haematologica, 2013, 98, 854-861.	1.7	6
161	Localization and Kinetics of the Transferrin-Dependent Iron Transport Machinery in the Mouse Placenta. Current Developments in Nutrition, 2021, 5, nzab025.	0.1	6
162	Immunohistochemical Analyses for Potential Biomarkers of Bortezomib Activity in Mantle Cell Lymphoma from the PINNACLE Phase 2 Trial.. Blood, 2007, 110, 2573-2573.	0.6	6

#	Article	IF	Citations
163	Sideroblastic Anemias: Molecular Basis, Pathophysiology, and Clinical Aspects. Handbook of Porphyrin Science, 2013, , 43-87.	0.3	5
164	Mild iron deficiency does not ameliorate the phenotype of a murine erythropoietic protoporphyria model. American Journal of Hematology, 2020, 95, 492-496.	2.0	5
165	Global loss of Tfr2 with concomitant induced iron deficiency greatly ameliorates the phenotype of a murine thalassemia intermedia model. American Journal of Hematology, 2021, 96, 251-257.	2.0	5
166	Assessment of SBDS Expression Patterns in Human Marrow Hematopoietic and Stromal Cells by Immunohistochemistry and Its Use as a Diagnostic Screen for Schwachman-Diamond Syndrome. Blood, 2008, 112, 41-41.	0.6	5
167	hem6: an ENU-induced recessive hypochromic microcytic anemia mutation in the mouse. Blood, 2008, 112, 4308-4313.	0.6	4
168	The ins and outs of erythroid heme transport. Haematologica, 2015, 100, 703-703.	1.7	4
169	Ringed sideroblasts in Î²â€thalassemia. Pediatric Blood and Cancer, 2017, 64, e26324.	0.8	4
170	The role of iron in mediating testosterone's effects on erythropoiesis in mice. FASEB Journal, 2020, 34, 11672-11684.	0.2	4
171	Histiocytoses. , 2009, , 963-988.		4
172	The Clinical and Genetic Spectrum of TMPRSS6 Mutations Leading to Inappropriate Hepcidin Expression and Iron Refractory Iron Deficiency Anemia (IRIDA).. Blood, 2009, 114, 629-629.	0.6	4
173	Hscb, a Mitochondrial Iron-Sulfur Cluster Assembly Co-Chaperone, Is a Novel Candidate Gene for Congenital Sideroblastic Anemia. Blood, 2017, 130, 79-79.	0.6	4
174	Hepatic Iron Overload in the Age of Hereditary Hemochromatosis Mutation Analysis. American Journal of Clinical Pathology, 1998, 109, 505-507.	0.4	3
175	Screen for alterations of iron related parameters in N-ethyl-N-nitrosourea-treated mice identified mutant lines with increased plasma ferritin levels. BioMetals, 2015, 28, 293-306.	1.8	3
176	A Mutation in Sec15l1 Disrupts the Transferrin Cycle and Causes Anemia in Hemoglobin Deficit (hbd) Mice.. Blood, 2005, 106, 513-513.	0.6	3
177	GATA2 Mutations In Pediatric Myelodysplastic Syndromes and Bone Marrow Failure. Blood, 2013, 122, 1520-1520.	0.6	3
178	Mutant Splicing Factor 3b Subunit 1 (SF3B1) Causes Dysregulated Erythropoiesis and a Stem Cell Disadvantage. Blood, 2014, 124, 828-828.	0.6	3
179	Iron and Erythropoiesis. , 1999, , 363-370.		2
180	A Novel Dual Monoclonal Sandwich ELISA for Human Erythroferrone. Blood, 2016, 128, 1272-1272.	0.6	2

#	Article	IF	Citations
181	A Novel Rat Model of Hereditary Hemochromatosis Due to a Mutation in Transferrin Receptor 2. Blood, 2012, 120, 612-612.	0.6	2
182	Response: What's in a name?. Blood, 2007, 110, 2771-2771.	0.6	1
183	Severe combined immunodeficiency (SCID) presenting with neonatal aplastic anemia. Pediatric Blood and Cancer, 2015, 62, 2047-2049.	0.8	1
184	Pancreatic lipomatosis in Diamondâ€“Blackfan anemia: The importance of genetic testing in bone marrow failure disorders. American Journal of Hematology, 2018, 93, 1194-1195.	2.0	1
185	A synonymous coding variant that alters ALAS2 splicing and causes Xâ€linked sideroblastic anemia. Pediatric Blood and Cancer, 2022, 69, e29309.	0.8	1
186	Lack of GDF11 Does Not Ameliorate Erythropoiesis in Î²-Thalassemia and Does Not Prevent the Activity of the Trap-Ligand RAP-536. Blood, 2018, 132, 165-165.	0.6	1
187	Expressionof Sf3b1- K700Ein Murine B Cells Causes Pre-mRNA Splicing and Altered B Cell Differentiation and Function. Blood, 2015, 126, 366-366.	0.6	1
188	Congenital Xâ€linked Neutropenia with Myelodysplasia and Somatic Tetraploidy due to a Germline Mutation in SEPT6. American Journal of Hematology, 2021, , .	2.0	1
189	Identification and Characterization of an Erythrocyte Endosomal Ferrireductase Critical for Transferrin Dependent Iron Uptake.. Blood, 2005, 106, 514-514.	0.6	1
190	MicroRNA Mir-125b Causes Leukemia. Blood, 2010, 116, 3158-3158.	0.6	1
191	Congenital Sideroblastic Anemias: Iron and Heme Lost in Mitochondrial Translation. Blood, 2017, 130, SCI-41-SCI-41.	0.6	1
192	Prevalence and Predictors of Iron Deficiency in Adolescent and Young Adult Outpatients: Implications for Screening. Clinical Pediatrics, 2021, , 000992282110596.	0.4	1
193	Epo Induces Phosphorylation of GATA-1 Transcription Factor Via a PI3-Kinase-Dependent Signaling Pathway.. Blood, 2004, 104, 816-816.	0.6	0
194	Tmprss6 Is a Genetic Modifier of the Hfe-Hemochromatosis Phenotype in Mice.. Blood, 2009, 114, 625-625.	0.6	0
195	Cdk5rap2 regulates centrosome function and chromosome segregation in neuronal progenitors. Journal of Cell Science, 2010, 123, e1-e1.	1.2	0
196	Derivation of Disease-Free Induced Pluripotent Stem Cells From Patients with Pearson Marrow Pancreas Syndrome. Blood, 2010, 116, 3-3.	0.6	0
197	Endogenous Oncogenic Nras Mutation Leads to Aberrant GM-CSF Signaling In Granulocytic/Monocytic Precursors In a Murine Model of Chronic Myelomonocytic Leukemia. Blood, 2010, 116, 4180-4180.	0.6	0
198	Toll Receptors and Langerhans Cell Histiocytosis.. Blood, 2010, 116, 3793-3793.	0.6	0

#	Article	IF	Citations
199	RNAi-Mediated Inhibition of Tmprss6 Ameliorates Anemia and Secondary Iron Overload in a Mouse Model of Î²-Thalassemia Intermedia and Decreases Iron Overload in Hfeâˆ’/âˆ’ Mice. Blood, 2012, 120, 1018-1018.	0.6	0
200	An RNAi-Therapeutic Targeting Tmprss6, in Conjunction With Oral Chelator Therapy, Ameliorates Anemia and Additively Diminishes Secondary Iron Overload In a Mouse Model Of Î²-Thalassemia Intermedia. Blood, 2013, 122, 1019-1019.	0.6	0
201	Pearson Marrow Pancreas Syndrome In a Cohort Of Diamond Blackfan Anemia Patients. Blood, 2013, 122, 1226-1226.	0.6	0
202	Pediatric Aplastic Anemia and Refractory Cytopenia of Childhood: A Retrospective Single Institutional Analysis to Determine Outcomes and Histomorphological Predictors. Blood, 2014, 124, 4382-4382.	0.6	0
203	A Novel Conditional Knockout of the Diamond Blackfan Anemia Gene Rpl11 Shows Failure of Erythropoiesis, a Marked Increase in BFU-E Progenitors By Phenotype That Proliferate Poorly in Culture, and Activation of p53 Target Genes. Blood, 2015, 126, 1205-1205.	0.6	0
204	Clinico-Pathological Features and Outcomes in Patients with Congenital Sideroblastic Anemias. Blood, 2015, 126, 3355-3355.	0.6	0
205	Germline and Somatic Genetic Characterization of Shwachman-Diamond Syndrome. Blood, 2016, 128, 2681-2681.	0.6	0
206	Genome-Wide Analysis of a Novel Murine Model of Chronic Lymphocytic Leukemia. Blood, 2016, 128, 967-967.	0.6	0
207	Integrated Genomic and Proteomic Analysis of Murine CLL-like Cells Reveals SF3B1 Mutation to Impact DNA Damage Response and BCR Signaling. Blood, 2018, 132, 947-947.	0.6	0
208	Myeloid Malignancy Variant Curation Expert Panel: An ASH-Sponsored Clingen Expert Panel to Optimize and Validate Acmg/AMP Variant Interpretation Guidelines for Genes Associated with Inherited Myeloid Neoplasms. Blood, 2018, 132, 5849-5849.	0.6	0
209	Optimized Beta-Globin Expression and Enucleation from Induced Red Blood Cells for In Vitro Modeling of Sickle Cell Disease. Blood, 2018, 132, 2359-2359.	0.6	0
210	Congenital X-Linked Myelodysplasia with Tetraploidy Is Associated with De Novo Germline C-Terminal Mutation of SEPT6, a Septin Filament Protein. Blood, 2018, 132, 644-644.	0.6	0
211	Pyridoxine Response in Mouse Alas2 Knock-in Models of X-Linked Sideroblastic Anemia and X-Linked Protoporphyria. Blood, 2021, 138, 925-925.	0.6	0
212	Distinct Genetic Pathways Define Leukemia Predisposition Versus Adaptive Clonal Hematopoiesis in Shwachman-Diamond Syndrome. Blood, 2020, 136, 35-36.	0.6	0