Narla Mohandas

List of Publications by Year
in descending order

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318 papers	21,722 citations	7096 78 h-index	12946 131 g-index
322 all docs	322 docs citations	322 times ranked	20227 citing authors

#	Article	IF	Citations
1	Red cell membrane: past, present, and future. Blood, 2008, 112, 3939-3948.	1.4	844
2	The gene encoding ribosomal protein S19 is mutated in Diamond-Blackfan anaemia. Nature Genetics, 1999, 21, 169-175.	21.4	747
3	Hereditary spherocytosis. Lancet, The, 2008, 372, 1411-1426.	13.7	512
4	The FERM domain: a unique module involved in the linkage of cytoplasmic proteins to the membrane. Trends in Biochemical Sciences, 1998, 23, 281-282.	7.5	494
5	A molecular mechanism of artemisinin resistance in Plasmodium falciparum malaria. Nature, 2015, 520, 683-687.	27.8	485
6	Resolving the distinct stages in erythroid differentiation based on dynamic changes in membrane protein expression during erythropoiesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17413-17418.	7.1	437
7	Transgenic Knockout Mice with Exclusively Human Sickle Hemoglobin and Sickle Cell Disease. Science, 1997, 278, 876-878.	12.6	417
8	Erythroblastic islands: niches for erythropoiesis. Blood, 2008, 112, 470-478.	1.4	415
9	Primary role for adherent leukocytes in sickle cell vascular occlusion: A new paradigm. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3047-3051.	7.1	412
10	A band 3-based macrocomplex of integral and peripheral proteins in the RBC membrane. Blood, 2003, 101, 4180-4188.	1.4	330
11	Isolation and functional characterization of human erythroblasts at distinct stages: implications for understanding of normal and disordered erythropoiesis in vivo. Blood, 2013, 121, 3246-3253.	1.4	307
12	Hereditary spherocytosis, elliptocytosis, and other red cell membrane disorders. Blood Reviews, 2013, 27, 167-178.	5.7	294
13	Global transcriptome analyses of human and murine terminal erythroid differentiation. Blood, 2014, 123, 3466-3477.	1.4	292
14	Contribution of parasite proteins to altered mechanical properties of malaria-infected red blood cells. Blood, 2002, 99, 1060-1063.	1.4	276
15	The Dendritic Cell Receptor Clec9A Binds Damaged Cells via Exposed Actin Filaments. Immunity, 2012, 36, 646-657.	14.3	272
16	Anion Exchanger 1 (Band 3) Is Required to Prevent Erythrocyte Membrane Surface Loss but Not to Form the Membrane Skeleton. Cell, 1996, 86, 917-927.	28.9	267
17	Disorders of red cell membrane. British Journal of Haematology, 2008, 141, 367-375.	2.5	261
18	Glucose and Glutamine Metabolism Regulate Human Hematopoietic Stem Cell Lineage Specification. Cell Stem Cell, 2014, 15, 169-184.	11.1	226

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19	Identification of a functional role for lipid asymmetry in biological membranes: Phosphatidylserine-skeletal protein interactions modulate membrane stability. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1943-1948.	7.1	222
20	Vacuolar uptake of host components, and a role for cholesterol and sphingomyelin in malarial infection. EMBO Journal, 2000, 19, 3556-3564.	7.8	202
21	Hepcidin as a therapeutic tool to limit iron overload and improve anemia in Î²-thalassemic mice. Journal of Clinical Investigation, 2010, 120, 4466-4477.	8.2	202
22	Quantitative analysis of murine terminal erythroid differentiation in vivo: novel method to study normal and disordered erythropoiesis. Blood, 2013, 121, e43-e49.	1.4	192
23	Racial differences in human platelet PAR4 reactivity reflect expression of PCTP and miR-376c. Nature Medicine, 2013, 19, 1609-1616.	30.7	190
24	Comprehensive Proteomic Analysis of Human Erythropoiesis. Cell Reports, 2016, 16, 1470-1484.	6.4	183
25	Red blood cell blood group antigens: structure and function. Seminars in Hematology, 2004, 41, 93-117.	3.4	172
26	Modulation of Erythrocyte Membrane Mechanical Function by Protein 4.1 Phosphorylation. Journal of Biological Chemistry, 2005, 280, 7581-7587.	3.4	171
27	Lineage and species-specific long noncoding RNAs during erythro-megakaryocytic development. Blood, 2014, 123, 1927-1937.	1.4	169
28	The sensing of poorly deformable red blood cells by the human spleen can be mimicked in vitro. Blood, 2011, 117, e88-e95.	1.4	168
29	The Role of Cholesterol and Glycosylphosphatidylinositol-anchored Proteins of Erythrocyte Rafts in Regulating Raft Protein Content and Malarial Infection. Journal of Biological Chemistry, 2001, 276, 29319-29329.	3.4	165
30	Lamins regulate cell trafficking and lineage maturation of adult human hematopoietic cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18892-18897.	7.1	165
31	Erythrocyte NADPH oxidase activity modulated by Rac GTPases, PKC, and plasma cytokines contributes to oxidative stress in sickle cell disease. Blood, 2013, 121, 2099-2107.	1.4	162
32	A dynamic intron retention program enriched in RNA processing genes regulates gene expression during terminal erythropoiesis. Nucleic Acids Research, 2016, 44, 838-851.	14.5	162
33	A Maurer's cleftâ€“associated protein is essential for expression of the major malaria virulence antigen on the surface of infected red blood cells. Journal of Cell Biology, 2006, 172, 899-908.	5.2	159
34	Identification of New Prognosis Factors from the Clinical and Epidemiologic Analysis of a Registry of 229 Diamond-Blackfan Anemia Patients. Pediatric Research, 1999, 46, 553-553.	2.3	153
35	Long-term evaluation of the beneficial effect of subtotal splenectomy for management of hereditary spherocytosis. Blood, 2001, 97, 399-403.	1.4	152
36	Isolation and transcriptome analyses of human erythroid progenitors: BFU-E and CFU-E. Blood, 2014, 124, 3636-3645.	1.4	147

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37	Membrane remodeling during reticulocyte maturation. Blood, 2010, 115, 2021-2027.	1.4	144
38	Erythrocyte G Protein-Coupled Receptor Signaling in Malarial Infection. Science, 2003, 301, 1734-1736.	12.6	141
39	Erythrocyte detergent-resistant membrane proteins: their characterization and selective uptake during malarial infection. Blood, 2004, 103, 1920-1928.	1.4	140
40	KLF1 mutations are relatively more common in a thalassemia endemic region and ameliorate the severity of Î²-thalassemia. Blood, 2014, 124, 803-811.	1.4	135
41	Characterization of Human RhCG and Mouse Rhcg as Novel Nonerythroid Rh Glycoprotein Homologues Predominantly Expressed in Kidney and Testis. Journal of Biological Chemistry, 2000, 275, 25641-25651.	3.4	134
42	A Novel Neuron-Enriched Homolog of the Erythrocyte Membrane Cytoskeletal Protein 4.1. Journal of Neuroscience, 1999, 19, 6457-6467.	3.6	132
43	Fluctuations of the Red Blood Cell Membrane: Relation to Mechanical Properties and Lack of ATP Dependence. Biophysical Journal, 2008, 94, 4134-4144.	0.5	130
44	Modulation of Erythrocyte Membrane Mechanical Function by Î²-Spectrin Phosphorylation and Dephosphorylation. Journal of Biological Chemistry, 1995, 270, 5659-5665.	3.4	125
45	Computational and Biological Analysis of 680 kb of DNA Sequence from the Human 5q31 Cytokine Gene Cluster Region. Genome Research, 1997, 7, 495-512.	5.5	124
46	Red cell abnormalities in hereditary spherocytosis: Relevance to diagnosis and understanding of the variable expression of clinical severity. Translational Research, 1996, 128, 259-269.	2.3	122
47	The 13-kD FK506 Binding Protein, FKBP13, Interacts with a Novel Homologue of the Erythrocyte Membrane Cytoskeletal Protein 4.1. Journal of Cell Biology, 1998, 141, 143-153.	5.2	122
48	Transcriptional States and Chromatin Accessibility Underlying Human Erythropoiesis. Cell Reports, 2019, 27, 3228-3240.e7.	6.4	122
49	Malaria and the red blood cell membrane. Seminars in Hematology, 2004, 41, 173-188.	3.4	121
50	Functional Analysis of Aquaporin-1 Deficient Red Cells. Journal of Biological Chemistry, 1996, 271, 1309-1313.	3.4	119
51	Regulation of CD44-Protein 4.1 Interaction by Ca2+and Calmodulin. Journal of Biological Chemistry, 1997, 272, 30322-30328.	3.4	119
52	Mapping the Binding Domains Involved in the Interaction between the Plasmodium falciparum Knob-associated Histidine-rich Protein (KAHRP) and the Cytoadherence Ligand P. falciparum Erythrocyte Membrane Protein 1 (PfEMP1). Journal of Biological Chemistry, 1999, 274, 23808-23813.	3.4	119
53	The effect of malonyldialdehyde, a product of lipid peroxidation, on the deformability, dehydration and51Cr-survival of erythrocytes. British Journal of Haematology, 1983, 53, 247-255.	2.5	118
54	Molecular and Functional Characterization of Protein 4.1B, a Novel Member of the Protein 4.1 Family with High Level, Focal Expression in Brain. Journal of Biological Chemistry, 2000, 275, 3247-3255.	3.4	114

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55	Significant Biochemical, Biophysical and Metabolic Diversity in Circulating Human Cord Blood Reticulocytes. PLoS ONE, 2013, 8, e76062.	2.5	114
56	Lutheran blood group glycoprotein and its newly characterized mouse homologue specifically bind Î±5 chain-containing human laminin with high affinity. Blood, 2001, 97, 312-320.	1.4	113
57	Short survival of phosphatidylserine-exposing red blood cells in murine sickle cell anemia. Blood, 2001, 98, 1577-1584.	1.4	113
58	A Congenital Haemolytic Anaemia with Thermal Sensitivity of the Erythrocyte Membrane. British Journal of Haematology, 1975, 29, 537-543.	2.5	112
59	Diamond-Blackfan anemia. Blood, 2020, 136, 1262-1273.	1.4	112
60	Structural Protein 4.1 in the Nucleus of Human Cells: Dynamic Rearrangements during Cell Division. Journal of Cell Biology, 1997, 137, 275-289.	5.2	107
61	Protein 4.1Râ€“deficient mice are viable but have erythroid membrane skeleton abnormalities. Journal of Clinical Investigation, 1999, 103, 331-340.	8.2	107
62	Protein 4.1R core domain structure and insights into regulation of cytoskeletal organization. Nature Structural Biology, 2000, 7, 871-875.	9.7	105
63	Diagnostic tool for red blood cell membrane disorders: Assessment of a new generation ektacytometer. Blood Cells, Molecules, and Diseases, 2016, 56, 9-22.	1.4	104
64	Malaria and human red blood cells. Medical Microbiology and Immunology, 2012, 201, 593-598.	4.8	101
65	Native Ultrastructure of the Red Cell Cytoskeleton by Cryo-Electron Tomography. Biophysical Journal, 2011, 101, 2341-2350.	0.5	98
66	Sickle Red Cell Microrheology and Sickle Blood Rheology. Microcirculation, 2004, 11, 209-225.	1.8	96
67	Regulation of Protein 4.1R, p55, and Glycophorin C Ternary Complex in Human Erythrocyte Membrane. Journal of Biological Chemistry, 2000, 275, 24540-24546.	3.4	94
68	A dynamic intron retention program in the mammalian megakaryocyte and erythrocyte lineages. Blood, 2016, 127, e24-e34.	1.4	94
69	Structural and Functional Studies of Interaction between Plasmodium falciparum Knob-associated Histidine-rich Protein (KAHRP) and Erythrocyte Spectrin. Journal of Biological Chemistry, 2005, 280, 31166-31171.	3.4	92
70	Identification of the Membrane Attachment Sites for Protein 4.1 in the Human Erythrocyte. Journal of Biological Chemistry, 1995, 270, 5360-5366.	3.4	91
71	Effects of Oxygen Inhalation on Endogenous Erythropoietin Kinetics, Erythropoiesis, and Properties of Blood Cells in Sickle-Cell Anemia. New England Journal of Medicine, 1984, 311, 291-295.	27.0	90
72	Elastic Thickness Compressibilty of the Red Cell Membrane. Biophysical Journal, 2001, 81, 1452-1463.	0.5	90

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73	Resveratrol accelerates erythroid maturation by activation of FoxO3 and ameliorates anemia in beta-thalassemic mice. Haematologica, 2014, 99, 267-275.	3.5	89
74	Shear-Response of the Spectrin Dimer-Tetramer Equilibrium in the Red Blood Cell Membrane. Journal of Biological Chemistry, 2002, 277, 31796-31800.	3.4	88
75	A transgenic mouse model demonstrates a dominant negative effect of a point mutation in the RPS19 gene associated with Diamond-Blackfan anemia. Blood, 2010, 116, 2826-2835.	1.4	87
76	Lethal Î±â€“thalassaemia created by gene targeting in mice and its genetic rescue. Nature Genetics, 1995, 11, 33-39.	21.4	86
77	Mechanism of protein sorting during erythroblast enucleation: role of cytoskeletal connectivity. Blood, 2004, 103, 1912-1919.	1.4	86
78	Red cell indices in classification and treatment of anemias. Current Opinion in Hematology, 2013, 20, 222-230.	2.5	81
79	Molecular Basis of Hereditary Elliptocytosis Due to Protein 4.1 Deficiency. New England Journal of Medicine, 1986, 315, 680-685.	27.0	80
80	Erythrocyte remodeling by malaria parasites. Current Opinion in Hematology, 2007, 14, 203-209.	2.5	80
81	Remodeling of the malaria parasite and host human red cell by vesicle amplification that induces artemisinin resistance. Blood, 2018, 131, 1234-1247.	1.4	80
82	Separate Mechanisms of Deformability Loss in ATP-depleted and Ca-loaded Erythrocytes. Journal of Clinical Investigation, 1981, 67, 531-539.	8.2	80
83	Modulation of Band 3-Ankyrin Interaction by Protein 4.1. Journal of Biological Chemistry, 1996, 271, 33187-33191.	3.4	78
84	Identification of a third Protein 4.1 tumor suppressor, Protein 4.1R, in meningioma pathogenesis. Neurobiology of Disease, 2003, 13, 191-202.	4.4	78
85	Mature parasite-infected erythrocyte surface antigen (MESA) of Plasmodium falciparum binds to the 30-kDa domain of protein 4.1 in malaria-infected red blood cells. Blood, 2003, 102, 1911-1914.	1.4	78
86	Glycophorin A dimerization and band 3 interaction during erythroid membrane biogenesis: in vivo studies in human glycophorin A transgenic mice. Blood, 2001, 97, 2872-2878.	1.4	77
87	Temporal differences in membrane loss lead to distinct reticulocyte features in hereditary spherocytosis and in immune hemolytic anemia. Blood, 2001, 98, 2894-2899.	1.4	76
88	A dynamic alternative splicing program regulates gene expression during terminal erythropoiesis. Nucleic Acids Research, 2014, 42, 4031-4042.	14.5	76
89	Pomalidomide reverses Î³-globin silencing through the transcriptional reprogramming of adult hematopoietic progenitors. Blood, 2016, 127, 1481-1492.	1.4	75
90	The hydration state of human red blood cells and their susceptibility to invasion by Plasmodium falciparum. Blood, 2005, 105, 4853-4860.	1.4	73

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91	Erythrocyte membrane changes of chorea-acanthocytosis are the result of altered Lyn kinase activity. Blood, 2011, 118, 5652-5663.	1.4	73
92	Unraveling Macrophage Heterogeneity in Erythroblastic Islands. Frontiers in Immunology, 2017, 8, 1140.	4.8	73
93	Control of human hemoglobin switching by LIN28B-mediated regulation of BCL11A translation. Nature Genetics, 2020, 52, 138-145.	21.4	73
94	Functional alteration of red blood cells by a megadalton protein of Plasmodium falciparum. Blood, 2009, 113, 919-928.	1.4	72
95	ATP11C is a major flippase in human erythrocytes and its defect causes congenital hemolytic anemia. Haematologica, 2016, 101, 559-565.	3.5	72
96	Mild spherocytosis and altered red cell ion transport in protein 4.2â€“null mice. Journal of Clinical Investigation, 1999, 103, 1527-1537.	8.2	72
97	Stomatocytosis Is Absent in â€œStomatinâ€•Deficient Murine Red Blood Cells. Blood, 1999, 93, 2404-2410.	1.4	71
98	Membrane association of peroxiredoxin-2 in red cells is mediated by the N-terminal cytoplasmic domain of band 3. Free Radical Biology and Medicine, 2013, 55, 27-35.	2.9	71
99	Protein and lipid trafficking induced in erythrocytes infected by malaria parasites. Cellular Microbiology, 2002, 4, 383-395.	2.1	69
100	An update on the pathogenesis and diagnosis of Diamondâ€“Blackfan anemia. F1000Research, 2018, 7, 1350.	1.6	69
101	Absolute proteome quantification of highly purified populations of circulating reticulocytes and mature erythrocytes. Blood Advances, 2018, 2, 2646-2657.	5.2	69
102	Comparison of mechanisms of anemia in mice with sickle cell disease and Î²-thalassemia. Experimental Hematology, 2002, 30, 394-402.	0.4	68
103	Nucleolar localization of RPS19 protein in normal cells and mislocalization due to mutations in the nucleolar localization signals in 2 Diamond-Blackfan anemia patients: potential insights into pathophysiology. Blood, 2003, 101, 5039-5045.	1.4	65
104	Conformational Stabilities of the Structural Repeats of Erythroid Spectrin and Their Functional Implications. Journal of Biological Chemistry, 2006, 281, 10527-10532.	3.4	65
105	Erythrocyte G Protein as a Novel Target for Malarial Chemotherapy. PLoS Medicine, 2006, 3, e528.	8.4	64
106	Bilayer balance and regulation of red cell shape changes. Journal of Supramolecular Structure, 1978, 9, 453-458.	2.3	60
107	Ribosomal protein S19 expression during erythroid differentiation. Blood, 2003, 101, 318-324.	1.4	59
108	Distinct roles for TET family proteins in regulating human erythropoiesis. Blood, 2017, 129, 2002-2012.	1.4	59

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109	Lipid rafts and malaria parasite infection of erythrocytes (Review). Molecular Membrane Biology, 2006, 23, 81-88.	2.0	58
110	Ca2+-dependent and Ca2+-independent Calmodulin Binding Sites in Erythrocyte Protein 4.1. Journal of Biological Chemistry, 2000, 275, 6360-6367.	3.4	57
111	Plasmodium falciparum Erythrocyte Membrane Protein 3 (PfEMP3) Destabilizes Erythrocyte Membrane Skeleton. Journal of Biological Chemistry, 2007, 282, 26754-26758.	3.4	56
112	Defining of the Minimal Domain of Protein 4.1 Involved in Spectrin-Actin Binding. Journal of Biological Chemistry, 1995, 270, 21243-21250.	3.4	55
113	Defining the Minimal Domain of the Plasmodium falciparum Protein MESA Involved in the Interaction with the Red Cell Membrane Skeletal Protein 4.1. Journal of Biological Chemistry, 1997, 272, 15299-15306.	3.4	55
114	Diamond-Blackfan anemia. Current Opinion in Pediatrics, 2001, 13, 10-15.	2.0	55
115	Four Paralogous Protein 4.1 Genes Map to Distinct Chromosomes in Mouse and Human. Genomics, 1998, 54, 348-350.	2.9	54
116	PATHOPHYSIOLOGY OF VASO-OCCLUSION. Hematology/Oncology Clinics of North America, 1996, 10, 1221-1239.	2.2	53
117	Decreasing TfR1 expression reverses anemia and hepcidin suppression in Î²-thalassemic mice. Blood, 2017, 129, 1514-1526.	1.4	52
118	Putative regulators for the continuum of erythroid differentiation revealed by single-cell transcriptome of human BM and UCB cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12868-12876.	7.1	52
119	Distinct distribution of specific members of protein 4.1 gene family in the mouse nephron. Kidney International, 2003, 63, 1321-1337.	5.2	50
120	Cytoskeletal Protein 4.1R Affects Repolarization and Regulates Calcium Handling in the Heart. Circulation Research, 2008, 103, 855-863.	4.5	50
121	Erythroblastic islands, terminal erythroid differentiation and reticulocyte maturation. International Journal of Hematology, 2011, 93, 139-143.	1.6	50
122	Recombinant erythropoietin therapy as an alternative to blood transfusions in infants with hereditary spherocytosis. The Hematology Journal, 2000, 1, 146-152.	1.4	50
123	Identification of critical amino-acid residues on the erythroid intercellular adhesion molecule-4 (ICAM-4) mediating adhesion to Î±V integrins. Blood, 2004, 103, 1503-1508.	1.4	49
124	Tropomyosin modulates erythrocyte membrane stability. Blood, 2007, 109, 1284-1288.	1.4	49
125	Altered phosphorylation of cytoskeleton proteins in sickle red blood cells: The role of protein kinase C, Rac GTPases, and reactive oxygen species. Blood Cells, Molecules, and Diseases, 2010, 45, 41-45.	1.4	49
126	Surface Area Loss and Increased Sphericity Account for the Splenic Entrapment of Subpopulations of Plasmodium falciparum Ring-Infected Erythrocytes. PLoS ONE, 2013, 8, e60150.	2.5	49

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127	The erythroblastic island as an emerging paradigm in the anemia of inflammation. Immunologic Research, 2015, 63, 75-89.	2.9	49
128	New insights into functions of erythroid proteins in nonerythroid cells. Current Opinion in Hematology, 2000, 7, 123-129.	2.5	48
129	Transport mechanisms in Plasmodium-infected erythrocytes: lipid rafts and a tubovesicular network. International Journal for Parasitology, 2001, 31, 1393-1401.	3.1	48
130	Neurobehavioral deficits in mice lacking the erythrocyte membrane cytoskeletal protein 4.1. Current Biology, 1998, 8, 1269-S1.	3.9	47
131	Mapping the domains of the cytoadherence ligand Plasmodium falciparum erythrocyte membrane protein 1 (PfEMP1) that bind to the knob-associated histidine-rich protein (KAHRP). Molecular and Biochemical Parasitology, 2002, 119, 125-129.	1.1	47
132	An Unrecognized Function of Cholesterol: Regulating the Mechanism Controlling Membrane Phospholipid Asymmetry. Biochemistry, 2016, 55, 3504-3513.	2.5	47
133	TET2 deficiency leads to stem cell factorâ€“dependent clonal expansion of dysfunctional erythroid progenitors. Blood, 2018, 132, 2406-2417.	1.4	47
134	Effects of abnormal cation transport on deformability of desiccytes. Journal of Supramolecular Structure, 1978, 8, 521-532.	2.3	46
135	The 4.1B cytoskeletal protein regulates the domain organization and sheath thickness of myelinated axons. Glia, 2013, 61, 240-253.	4.9	46
136	Human and murine erythropoiesis. Current Opinion in Hematology, 2015, 22, 206-211.	2.5	46
137	Malaria Induces Anemia through CD8⁺T Cell-Dependent Parasite Clearance and Erythrocyte Removal in the Spleen. MBio, 2015, 6, .	4.1	46
138	p53 activation during ribosome biogenesis regulates normal erythroid differentiation. Blood, 2021, 137, 89-102.	1.4	46
139	Cell Shape-dependent Regulation of Protein 4.1 Alternative Pre-mRNA Splicing in Mammary Epithelial Cells. Journal of Biological Chemistry, 1997, 272, 10254-10259.	3.4	45
140	The Interplay Between Peroxiredoxin-2 and Nuclear Factor-Erythroid 2 Is Important in Limiting Oxidative Mediated Dysfunction in Î²-Thalassemic Erythropoiesis. Antioxidants and Redox Signaling, 2015, 23, 1284-1297.	5.4	45
141	Developmental differences between neonatal and adult human erythropoiesis. American Journal of Hematology, 2018, 93, 494-503.	4.1	45
142	Stomatin and Sensory Neuron Mechanotransduction. Journal of Neurophysiology, 2007, 98, 3802-3808.	1.8	44
143	Phosphorylation-Dependent Perturbations of the 4.1R-Associated Multiprotein Complex of the Erythrocyte Membrane. Biochemistry, 2011, 50, 4561-4567.	2.5	44
144	Dissecting the transcriptional phenotype of ribosomal protein deficiency: implications for Diamond-Blackfan Anemia. Gene, 2014, 545, 282-289.	2.2	44

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145	Regulation of globin-heme balance in Diamond-Blackfan anemia by HSP70/GATA1. Blood, 2019, 133, 1358-1370.	1.4	44
146	In vivo blood flow abnormalities in the transgenic knockout sickle cell mouse. Journal of Clinical Investigation, 1999, 103, 915-920.	8.2	44
147	Cell Membrane and Volume Changes during Red Cell Development and Aging. Annals of the New York Academy of Sciences, 1989, 554, 217-224.	3.8	43
148	Mammalian Âl-spectrin is a neofunctionalized polypeptide adapted to small highly deformable erythrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 643-648.	7.1	43
149	Structural and Functional Characterization of Protein 4.1R-Phosphatidylserine Interaction. Journal of Biological Chemistry, 2001, 276, 35778-35785.	3.4	42
150	Identification of a Novel Role for Dematin in Regulating Red Cell Membrane Function by Modulating Spectrin-Actin Interaction. Journal of Biological Chemistry, 2012, 287, 35244-35250.	3.4	42
151	Altered Chromatin Occupancy of Master Regulators Underlies Evolutionary Divergence in the Transcriptional Landscape of Erythroid Differentiation. PLoS Genetics, 2014, 10, e1004890.	3.5	42
152	Novel secreted isoform of adhesion molecule ICAM-4: potential regulator of membrane-associated ICAM-4 interactions. Blood, 2003, 101, 1790-1797.	1.4	41
153	Cytoskeletal protein 4.1R negatively regulates T-cell activation by inhibiting the phosphorylation of LAT. Blood, 2009, 113, 6128-6137.	1.4	41
154	A Unique Epigenomic Landscape Defines Human Erythropoiesis. Cell Reports, 2019, 28, 2996-3009.e7.	6.4	41
155	Assignment of functional roles to parasite proteins in malaria-infected red blood cells by competitive flow-based adhesion assay. British Journal of Haematology, 2002, 117, 203-211.	2.5	40
156	Cysteine shotgunâ€“mass spectrometry (CS-MS) reveals dynamic sequence of protein structure changes within mutant and stressed cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8269-8274.	7.1	39
157	Sensing of red blood cells with decreased membrane deformability by the human spleen. Blood Advances, 2018, 2, 2581-2587.	5.2	39
158	Membrane Dynamics of the Water Transport Protein Aquaporin-1 in Intact Human Red Cells. Biophysical Journal, 1999, 76, 1136-1144.	0.5	38
159	Analysis of Integral Membrane Protein Contributions to the Deformability and Stability of the Human Erythrocyte Membrane. Journal of Biological Chemistry, 2001, 276, 46968-46974.	3.4	38
160	Phospholipid binding by proteins of the spectrin family: a comparative study. Biochemical and Biophysical Research Communications, 2005, 327, 794-800.	2.1	37
161	Membrane assembly during erythropoiesis. Current Opinion in Hematology, 2011, 18, 133-138.	2.5	37
162	Two Distinct Domains of Protein 4.1 Critical for Assembly of Functional Nuclei in Vitro. Journal of Biological Chemistry, 2002, 277, 44339-44346.	3.4	36

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163	The Aging Process of Human Neonatal Erythrocytes. Pediatric Research, 1986, 20, 1091-1096.	2.3	35
164	SF3B1 deficiency impairs human erythropoiesis via activation of p53 pathway: implications for understanding of ineffective erythropoiesis in MDS. Journal of Hematology and Oncology, 2018, 11, 19.	17.0	35
165	The severe phenotype of Diamond-Blackfan anemia is modulated by heat shock protein 70. Blood Advances, 2017, 1, 1959-1976.	5.2	34
166	Peroxiredoxin-2: A Novel Regulator of Iron Homeostasis in Ineffective Erythropoiesis. Antioxidants and Redox Signaling, 2018, 28, 1-14.	5.4	33
167	A Golgi-associated protein 4.1B variant is required for assimilation of proteins in the membrane. Journal of Cell Science, 2009, 122, 1091-1099.	2.0	32
168	Lack of Protein 4.1G Causes Altered Expression and Localization of the Cell Adhesion Molecule Nectin-Like 4 in Testis and Can Cause Male Infertility. Molecular and Cellular Biology, 2011, 31, 2276-2286.	2.3	32
169	Impaired Intestinal Calcium Absorption in Protein 4.1R-deficient Mice Due to Altered Expression of Plasma Membrane Calcium ATPase 1b (PMCA1b). Journal of Biological Chemistry, 2013, 288, 11407-11415.	3.4	31
170	Long-term follow-up of subtotal splenectomy for hereditary spherocytosis: a single-center study. Blood, 2016, 127, 1616-1618.	1.4	31
171	Splenic sequestration associated with sickle cell trait and hereditary spherocytosis. American Journal of Hematology, 1992, 40, 110-116.	4.1	30
172	Alternative 5â€² exons and differential splicing regulate expression of protein 4.1R isoforms with distinct N-termini. Blood, 2003, 101, 4164-4171.	1.4	30
173	ATP-dependent Mechanism Protects Spectrin against Glycation in Human Erythrocytes*. Journal of Biological Chemistry, 2010, 285, 33923-33929.	3.4	30
174	Protein 4.1R regulates cell adhesion, spreading, migration and motility of mouse keratinocytes by modulating surface expression of Î²1 integrin. Journal of Cell Science, 2011, 124, 2478-2487.	2.0	30
175	High frequency of alternative first exons in erythroid genes suggests a critical role in regulating gene function. Blood, 2006, 107, 2557-2561.	1.4	29
176	Intrasplicing coordinates alternative first exons with alternative splicing in the protein 4.1R gene. EMBO Journal, 2008, 27, 122-131.	7.8	29
177	Comprehensive proteomic analysis of murine terminal erythroid differentiation. Blood Advances, 2020, 4, 1464-1477.	5.2	29
178	Interplay between cofactors and transcription factors in hematopoiesis and hematological malignancies. Signal Transduction and Targeted Therapy, 2021, 6, 24.	17.1	29
179	Steroid resistance in Diamond Blackfan anemia associates with p57Kip2 dysregulation in erythroid progenitors. Journal of Clinical Investigation, 2020, 130, 2097-2110.	8.2	29
180	Blood group antigens in health and disease. Current Opinion in Hematology, 2005, 12, 135-140.	2.5	28

#	Article	IF	Citations
181	In vivo studies support the role of trafficking and cytoskeletal-binding motifs in the interaction of MESA with the membrane skeleton of Plasmodium falciparum-infected red blood cells. Molecular and Biochemical Parasitology, 2008, 160, 143-147.	1.1	28
182	Deubiquitylase USP7 regulates human terminal erythroid differentiation by stabilizing GATA1. Haematologica, 2019, 104, 2178-2188.	3.5	28
183	Fyn kinase is a novel modulator of erythropoietin signaling and stress erythropoiesis. American Journal of Hematology, 2019, 94, 10-20.	4.1	28
184	An IDH1-vitamin C crosstalk drives human erythroid development by inhibiting pro-oxidant mitochondrial metabolism. Cell Reports, 2021, 34, 108723.	6.4	28
185	Comprehensive phenotyping of erythropoiesis in human bone marrow: Evaluation of normal and ineffective erythropoiesis. American Journal of Hematology, 2021, 96, 1064-1076.	4.1	28
186	Impairment of human terminal erythroid differentiation by histone deacetylase 5 deficiency. Blood, 2021, 138, 1615-1627.	1.4	26
187	Rheological and Adherence Properties of Sickle Cells.. Annals of the New York Academy of Sciences, 1989, 565, 327-337.	3.8	25
188	Abnormal red cell features associated with hereditary neurodegenerative disorders. Current Opinion in Hematology, 2014, 21, 201-209.	2.5	25
189	Measuring Deformability and Red Cell Heterogeneity in Blood by Ektacytometry. Journal of Visualized Experiments, 2018, , .	0.3	25
190	Red Blood Cell Abnormalities in Hereditary Elliptocytosis and Their Relevance to Variable Clinical Expression. American Journal of Clinical Pathology, 1997, 108, 391-399.	0.7	24
191	Pathophysiology of a Sickle Cell Trait Mouse Model: Human Î±Î²S Transgenes with One Mouse Î²-Globin Allele. Blood Cells, Molecules, and Diseases, 2001, 27, 971-977.	1.4	24
192	Integral Protein Linkage and the Bilayer-Skeletal Separation Energy in Red Blood Cells. Biophysical Journal, 2008, 95, 1826-1836.	0.5	24
193	Sickle Erythrocytes Have Increased Adducin Phosphorylation and Increased ROS Production Mediated by Signaling Pathways Involving Protein Kinase C and Rac GTPases.. Blood, 2009, 114, 901-901.	1.4	24
194	Molecular basis for red cell membrane viscoelastic properties. Biochemical Society Transactions, 1992, 20, 776-782.	3.4	23
195	The erythroid niche: Molecular processes occurring within erythroblastic islands. Transfusion Clinique Et Biologique, 2010, 17, 110-111.	0.4	23
196	A Bacterial Phosphatase-Like Enzyme of the Malaria Parasite Plasmodium falciparum Possesses Tyrosine Phosphatase Activity and Is Implicated in the Regulation of Band 3 Dynamics during Parasite Invasion. Eukaryotic Cell, 2013, 12, 1179-1191.	3.4	23
197	HMGB1-mediated restriction of EPO signaling contributes to anemia of inflammation. Blood, 2022, 139, 3181-3193.	1.4	23
198	Regulation of red cell membrane deformability and stability by skeletal protein network. Biorheology, 1990, 27, 357-365.	0.4	22

#	Article	IF	Citations
199	Mutations in the murine erythroid Î±-spectrin gene alter spectrin mRNA and protein levels and spectrin incorporation into the red blood cell membrane skeleton. Blood, 2003, 101, 325-330.	1.4	22
200	Two Protein 4.1 Domains Essential for Mitotic Spindle and Aster Microtubule Dynamics and Organization in Vitro. Journal of Biological Chemistry, 2004, 279, 27591-27598.	3.4	22
201	Phosphatidylserine binding sites in red cell spectrin. Blood Cells, Molecules, and Diseases, 2004, 32, 430-432.	1.4	22
202	Characterization, regulation, and targeting of erythroid progenitors in normal and disordered human erythropoiesis. Current Opinion in Hematology, 2017, 24, 159-166.	2.5	22
203	Defective spectrin integrity and neonatal thrombosis in the first mouse model for severe hereditary elliptocytosis. Blood, 2001, 97, 543-550.	1.4	21
204	Efficient in Vivo Manipulation of Alternative Pre-mRNA Splicing Events Using Antisense Morpholinos in Mice. Journal of Biological Chemistry, 2011, 286, 6033-6039.	3.4	21
205	Unexpected role for p19INK4d in posttranscriptional regulation of GATA1 and modulation of human terminal erythropoiesis. Blood, 2017, 129, 226-237.	1.4	21
206	Dynamic changes in murine erythropoiesis from birth to adulthood: implications for the study of murine models of anemia. Blood Advances, 2021, 5, 16-25.	5.2	21
207	Dynamic Changes Of DNA Methylation and a Functional Role For TET2 DNA Dioxygenase In Human Erythroid Differentiation. Blood, 2013, 122, 3415-3415.	1.4	21
208	First de novo mutation in RPS19 gene as the cause of hydrops fetalis in Diamondâ€“Blackfan anemia. American Journal of Hematology, 2013, 88, 160-160.	4.1	20
209	Severely impaired terminal erythroid differentiation as an independent prognostic marker in myelodysplastic syndromes. Blood Advances, 2018, 2, 1393-1402.	5.2	20
210	Regulation of RNA polymerase II activity is essential for terminal erythroid maturation. Blood, 2021, 138, 1740-1756.	1.4	20
211	Hydration of Red Cells inÎ±andÎ²Thalassemias Differs:A Useful Approach to Distinguish Between These Red Cell Phenotypes. American Journal of Clinical Pathology, 1994, 102, 217-222.	0.7	19
212	Automated Quantitation of Hemoglobin-Based Blood Substitutes in Whole Blood Samples. American Journal of Clinical Pathology, 2001, 116, 913-919.	0.7	19
213	Mature erythrocyte membrane homeostasis is compromised by loss of the GATA1-FOG1 interaction. Blood, 2012, 119, 2615-2623.	1.4	19
214	Measurements of red cell deformability and hydration reflect HbF and HbA 2 in blood from patients with sickle cell anemia. Blood Cells, Molecules, and Diseases, 2017, 65, 41-50.	1.4	19
215	XPO1 regulates erythroid differentiation and is a new target for the treatment of Î²-thalassemia. Haematologica, 2020, 105, 2240-2249.	3.5	19
216	Study of the effects of proteasome inhibitors on ribosomal protein S19 (RPS19) mutants, identified in patients with Diamond-Blackfan anemia. Haematologica, 2008, 93, 1627-1634.	3.5	18

#	Article	IF	Citations
217	miR-326 regulates HbF synthesis by targeting EKLF in human erythroid cells. Experimental Hematology, 2018, 63, 33-40.e2.	0.4	18
218	Epigenetic inactivation of ERF reactivates Î³-globin expression in Î²-thalassemia. American Journal of Human Genetics, 2021, 108, 709-721.	6.2	18
219	Lentiviral globin gene therapy with reduced-intensity conditioning in adults with Î²-thalassemia: a phase 1 trial. Nature Medicine, 2022, 28, 63-70.	30.7	18
220	Deletion of a Malaria Invasion Gene Reduces Death and Anemia, in Model Hosts. PLoS ONE, 2011, 6, e25477.	2.5	17
221	Abnormal erythroid maturation leads to microcytic anemia in the TSAP6/Steap3 null mouse model. American Journal of Hematology, 2015, 90, 235-241.	4.1	17
222	Prognostic factors of disease severity in infants with sickle cell anemia: A comprehensive longitudinal cohort study. American Journal of Hematology, 2018, 93, 1411-1419.	4.1	17
223	Red Cell Structure, Shapes and Deformability. British Journal of Haematology, 1975, 31, 5-10.	2.5	16
224	Normal membrane function of abnormal Î²-related erythrocyte sialoglycoproteins. British Journal of Haematology, 1987, 67, 467-472.	2.5	16
225	Plasmodium falciparum:Influence of Malarial and Host Erythrocyte Skeletal Protein Interactions on Phosphorylation Infected Erythrocytes. Experimental Parasitology, 1998, 89, 40-49.	1.2	16
226	Morphological and functional platelet abnormalities in Berkeley sickle cell mice. Blood Cells, Molecules, and Diseases, 2008, 41, 109-118.	1.4	16
227	Sustained treatment of sickle cell mice with haptoglobin increases <scp>HO</scp>â€1 and Hâ€ferritin expression and decreases iron deposition in the kidney without improvement in kidney function. British Journal of Haematology, 2016, 175, 714-723.	2.5	16
228	The equilibrative nucleoside transporter ENT1 is critical for nucleotide homeostasis and optimal erythropoiesis. Blood, 2021, 137, 3548-3562.	1.4	16
229	Targeted deletion of the Î³â€adducin gene (Add3) in mice reveals differences in Î±â€adducin interactions in erythroid and nonerythroid cells. American Journal of Hematology, 2009, 84, 354-361.	4.1	15
230	Comprehensive characterization of expression patterns of protein 4.1 family members in mouse adrenal gland: implications for functions. Histochemistry and Cell Biology, 2010, 134, 411-420.	1.7	15
231	Deep Intron Elements Mediate Nested Splicing Events at Consecutive AG Dinucleotides To Regulate Alternative 3â€² Splice Site Choice in Vertebrate 4.1 Genes. Molecular and Cellular Biology, 2012, 32, 2044-2053.	2.3	15
232	Malaria Parasite Proteins and Their Role in Alteration of the Structure and Function of Red Blood Cells. Advances in Parasitology, 2016, 91, 1-86.	3.2	15
233	A 130-kDa Protein 4.1B Regulates Cell Adhesion, Spreading, and Migration of Mouse Embryo Fibroblasts by Influencing Actin Cytoskeleton Organization. Journal of Biological Chemistry, 2014, 289, 5925-5937.	3.4	14
234	The human Kell blood group binds the erythroid 4.1R protein: new insights into the 4.1R-dependent red cell membrane complex. British Journal of Haematology, 2015, 171, 862-871.	2.5	14

#	Article	IF	Citations
235	What do mouse gene knockouts tell us about the structure and function of the red cell membrane?. Best Practice and Research in Clinical Haematology, 1999, 12, 605-620.	1.7	13
236	Inactivation of Rb and E2f8 Synergizes To Trigger Stressed DNA Replication during Erythroid Terminal Differentiation. Molecular and Cellular Biology, 2014, 34, 2833-2847.	2.3	13
237	Circulating primitive erythroblasts establish a functional, protein 4.1R-dependent cytoskeletal network prior to enucleating. Scientific Reports, 2017, 7, 5164.	3.3	13
238	Carbon Monoxide Religation Kinetics to Hemoglobin S Polymers following Ligand Photolysis. Journal of Biological Chemistry, 1995, 270, 26078-26085.	3.4	12
239	Bad Blood: A trigger for TRALI. Nature Medicine, 2010, 16, 382-383.	30.7	12
240	No evidence for cell activation or brain vaso-occlusion with plerixafor mobilization in sickle cell mice. Blood Cells, Molecules, and Diseases, 2016, 57, 67-70.	1.4	12
241	Deformability and spectrin properties in three types of elongated red cells. American Journal of Hematology, 1980, 8, 1-13.	4.1	11
242	Evolutionarily conserved coupling of transcription and alternative splicing in the EPB41 (protein 4.1R) and EPB41L3 (protein 4.1B) genes. Genomics, 2005, 86, 701-707.	2.9	11
243	Protein 4.1G Regulates Cell Adhesion, Spreading, and Migration of Mouse Embryonic Fibroblasts through the Î²1 Integrin Pathway. Journal of Biological Chemistry, 2016, 291, 2170-2180.	3.4	11
244	Confounding in ex vivo models of Diamond-Blackfan anemia. Blood, 2017, 130, 1165-1168.	1.4	11
245	Tissue Factor Deficiency Decreases Sickle Cell-Induced Vascular Stasis in a Hematopoietic Stem Cell Transplant Model of Murine Sickle Cell Disease.. Blood, 2004, 104, 236-236.	1.4	11
246	Banking on red blood cells. Nature Biotechnology, 2005, 23, 35-36.	17.5	10
247	Congenital Erythropoietic Porphyria: Characterization of Murine Models of the Severe Common (C73R/C73R) and Later-Onset Genotypes. Molecular Medicine, 2011, 17, 748-756.	4.4	10
248	Cholesterol-binding protein TSPO2 coordinates maturation and proliferation of terminally differentiating erythroblasts. Journal of Biological Chemistry, 2020, 295, 8048-8063.	3.4	10
249	Canine elliptocytosis due to a mutant Î²â€spectrin. Veterinary Clinical Pathology, 2009, 38, 52-58.	0.7	9
250	Cytoskeletal Protein 4.1R Is a Positive Regulator of the FcÎµRI Signaling and Chemotaxis in Mast Cells. Frontiers in Immunology, 2019, 10, 3068.	4.8	9
251	Genetic variants in the noncoding region of RPS19 gene in Diamondâ€Blackfan anemia: Potential implications for phenotypic heterogeneity. American Journal of Hematology, 2010, 85, 111-116.	4.1	8
252	Procoagulant activity in patients with sickle cell trait. Blood Coagulation and Fibrinolysis, 2012, 23, 268-270.	1.0	8

#	Article	IF	Citations
253	Human STEAP3 mutations with no phenotypic red cell changes. Blood, 2016, 127, 1067-1071.	1.4	8
254	No Evidence for Cell Activation or Vaso-Occlusion with Plerixafor Treatment of Sickle Cell Mice. Blood, 2015, 126, 964-964.	1.4	8
255	Fetal hematopoietic stem cell transplantation into Î²-thalassemic mice. Journal of Pediatric Surgery, 1993, 28, 1232-1238.	1.6	7
256	A Study of the Mechanisms of Slow Religation to Sickle Cell Hemoglobin Polymers Following Laser Photolysis. Journal of Molecular Biology, 1996, 259, 947-956.	4.2	7
257	Comprehensive characterization of protein 4.1 expression in epithelium of large intestine. Histochemistry and Cell Biology, 2014, 142, 529-539.	1.7	7
258	Enhancing diversity in the hematology biomedical research workforce: A mentoring program to improve the odds of career success for early stage investigators. American Journal of Hematology, 2017, 92, 1275-1279.	4.1	7
259	Erythrocytic vacuolar rafts induced by malaria parasites. Current Opinion in Hematology, 2001, 8, 92-97.	2.5	6
260	Protein 4.1N is required for the formation of the lateral membrane domain in human bronchial epithelial cells. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1143-1151.	2.6	6
261	NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. Transfusion Medicine Reviews, 2021, 35, 46-55.	2.0	6
262	The Human Ankyrin Insulator Supports Production of Therapeutic Levels of Adult Hemoglobin Following Î²-Globin Gene Transfer in Hematopoietic Cells Derived From Thalassemic and Sickle Cell Patients. Blood, 2011, 118, 2055-2055.	1.4	6
263	Pomalidomide and Dexamethasone Regulate Human Erythroid Progenitor Signaling through Two Distinct Pathways. Blood, 2016, 128, 2423-2423.	1.4	6
264	Polyamines do not inhibit erythrocyte ATPase activities. Clinica Chimica Acta, 1983, 129, 287-293.	1.1	5
265	Crystallization and preliminary X-ray crystallographic analysis of the 30â€…kDa membrane-binding domain of protein 4.1 from human erythrocytes. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 187-188.	2.5	5
266	Merozoite surface proteins 4 and 5 of Plasmodium knowlesi have differing cellular localisation and association with lipid rafts. Molecular and Biochemical Parasitology, 2004, 138, 153-158.	1.1	5
267	To shrink or not to shrink. Blood, 2013, 121, 3783-3784.	1.4	5
268	Abundance of Alternative Splicing Events and Differentiation Stage-Specific Changes in Splicing Suggest A Major Role in Regulation of Gene Expression During Late Erythropoiesis. Blood, 2012, 120, 978-978.	1.4	5
269	Role of tissue-specific promoter DNA methylation in regulating the human EKLF gene. Blood Cells, Molecules, and Diseases, 2018, 71, 16-22.	1.4	4
270	Heterogeneous phenotype of Hereditary Xerocytosis in association with PIEZO1 variants. Blood Cells, Molecules, and Diseases, 2020, 82, 102413.	1.4	4

#	Article	IF	Citations
271	Î±I-spectrin represents evolutionary optimization of spectrin for red blood cell deformability. Biophysical Journal, 2021, 120, 3588-3599.	0.5	4
272	Vesicular formation regulated by ERK/MAPK pathway mediates human erythroblast enucleation. Blood Advances, 2021, 5, 4648-4661.	5.2	4
273	XPO1 (Exportin-1) Is a Major Regulator of Human Erythroid Differentiation. Potential Clinical Applications to Decrease Ineffective Erythropoiesis of Beta-Thalassemia. Blood, 2015, 126, 2368-2368.	1.4	4
274	Of mice and men: the voracious spleen. Blood, 2006, 107, 3426-3426.	1.4	3
275	Jekyll and Hyde: the role of heme oxygenase-1 in erythroid biology. Haematologica, 2015, 100, 567-568.	3.5	3
276	Ion etching of red cell membrane. Microvascular Research, 1973, 5, 81-84.	2.5	2
277	The iron fist: malaria and hepcidin. Blood, 2014, 123, 3217-3218.	1.4	2
278	The sticking point. Blood, 2005, 105, 3008-3009.	1.4	1
279	Exit strategy: one that works. Blood, 2012, 119, 906-907.	1.4	1
280	The road not taken?. Blood, 2016, 128, 886-888.	1.4	1
281	A fork in the road. Blood, 2019, 134, 1484-1485.	1.4	1
282	Selective effects of protein 4.1N deficiency on neuroendocrine and reproductive systems. Scientific Reports, 2020, 10, 16947.	3.3	1
283	New Insights into the Function of N-Terminal 11 Amino Acids of Band 3 from Structural and Functional Study of a Naturally Occuring Band 3 Variant.. Blood, 2004, 104, 577-577.	1.4	1
284	Adducin Forms a Bridge between the Spectrin-Actin Junctional Complex and Band 3.. Blood, 2005, 106, 808-808.	1.4	1
285	Peroxiredoxin-2: A Novel Factor Involved in Iron Homeostasis. Blood, 2015, 126, 406-406.	1.4	1
286	Murine Spherocytosis: Evidence for a Functional Interaction between Protein 4.1 and Na/H Exchange and for a â€œProtectiveâ€•Role of the Gardos Channel Against Hemolysis.. Blood, 2004, 104, 578-578.	1.4	1
287	Mechanisms That Link Promoter Choice with Downstream Alternative Splicing in the Erythroid Protein 4.1R Gene.. Blood, 2006, 108, 1562-1562.	1.4	1
288	In Vivo Analysis of Erythroid Protein 4.1 Pre-mRNA Splicing Mechanisms: Use of Antisense Morpholinos to Assay Function of Deep Intron Regulatory Elements. Blood, 2010, 116, 815-815.	1.4	1

#	Article	IF	Citations
289	Isolation and Functional Characterization of Human Erythroid Progenitors: BFU-E and CFU-E. Blood, 2011, 118, 1028-1028.	1.4	1
290	Ineffective Erythropoiesis Is the Major Cause of Microcytic Anemia in the TSAP6/Steap3 Null Mouse Model. Blood, 2014, 124, 1332-1332.	1.4	1
291	Down-Regulation of TfR1 Increases Erythroid Precursor Enucleation and Hepatocyte Hepcidin Expression in ÃŸ-Thalassemic Mice. Blood, 2015, 126, 754-754.	1.4	1
292	Three Months of Human Haptoglobin Treatment Decreases Iron Deposition in the Kidneys of Townes Sickle Mice. Blood, 2015, 126, 2163-2163.	1.4	1
293	A Dynamic Intron Retention Program in the Mammalian Megakaryocyte and Erythrocyte Lineages. Blood, 2015, 126, 2380-2380.	1.4	1
294	Pomalidomide Transcriptionally Reprograms Adult Erythroid Progenitors Independently of Ikaros Proteasomal Degradation. Blood, 2015, 126, 160-160.	1.4	1
295	Anemia lurking in introns. Journal of Clinical Investigation, 2019, 129, 2655-2657.	8.2	1
296	Function and dysfunction. Blood, 2018, 131, 2179-2180.	1.4	0
297	Staying hydrated is important also for erythroblasts. Haematologica, 2020, 105, 528-529.	3.5	0
298	Inhibiting Binding of Sickle Red Cell ICAM-4 to Endothelial Cell Î±VÎ²3 Integrin Decreases Red Cell Adhesion and Vaso-Occlusion.. Blood, 2004, 104, 361-361.	1.4	0
299	Targeted Gene Deletion Demonstrates That Adhesion Molecule ICAM-4 Is Critical for Erythroblastic Island Formation.. Blood, 2005, 106, 1661-1661.	1.4	0
300	Evolutionarily Conserved Coupling of Transcription and Alternative Splicing in the Protein 4.1R and 4.1B Genes Regulates N-Terminal Protein Structure.. Blood, 2005, 106, 1664-1664.	1.4	0
301	Two Distinct Mechanisms Are Responsible for Regulation of Ribosomal Protein S19 Expression Level in Diamond-Blackfan Anemia by NF-ÎºB Pathway.. Blood, 2007, 110, 1684-1684.	1.4	0
302	Distinct Differences in in Vitro Erythroid Proliferation and Differentiation, p53 and Apoptosis Pathways in Diamond-Blackfan Anemia in Conjunction with Depletion of RPS19, RPL5 and RPL11 mRNA.. Blood, 2009, 114, 176-176.	1.4	0
303	Dynamic Changes in Membrane Protein Expression During Murine and Human Erythropoiesis: Resolving the Distinct Stages in Terminal Erythroid Differentiation.. Blood, 2009, 114, 4039-4039.	1.4	0
304	Splicing Mechanisms That Generate Distinct Isoforms of Protein 4.1R During Terminal Erythroid Differentiation.. Blood, 2009, 114, 4036-4036.	1.4	0
305	Phenotypic and Genetic Discordance in Monozygotic Twins with Sickle Anemia and Ã°-Thalassemia.. Blood, 2009, 114, 5084-5084.	1.4	0
306	Elevated Reactive Oxygen Species Production In Sickle Erythrocytes Is Modulated by a Pathway Involving Endothelin-1, TGFÎ²1, PKC, and Rac GTPases. Blood, 2010, 116, 1634-1634.	1.4	0

#	Article	IF	Citations
307	Racial Differences In Thrombin-Induced Human Platelet PAR4 Reactivity. Blood, 2013, 122, 1054-1054.	1.4	0
308	An Erythroid-Specific Intron Retention Program Regulates Expression of Selected Genes during Terminal Erythropoiesis. Blood, 2014, 124, 449-449.	1.4	0
309	Pomalidomide Modulates Transcription Networks Regulating Human Erythropoiesis and Globin Switching: Implications for Treatment of Hemoglobinopathies. Blood, 2014, 124, 1375-1375.	1.4	0
310	Long-Term Follow up of the Beneficial Effects and of Issues in Subtotal Splenectomy for Hereditary Spherocytosis. Blood, 2015, 126, 276-276.	1.4	0
311	ATP11C Encodes a Major Flippase in Human Erythrocyte and Its Genetic Defect Causes Congenital Non-Spherocytic Hemolytic Anemia. Blood, 2015, 126, 2131-2131.	1.4	0
312	HSP70, the Key to Account for Erythroid Tropism of Diamond-Blackfan Anemia?. Blood, 2015, 126, 671-671.	1.4	0
313	The Erythroid Intron Retention Program Encompasses Developmentally Stable and Dynamic Networks and Regulates Diverse Gene Classes. Blood, 2015, 126, 3331-3331.	1.4	0
314	Distinct Roles of TET Proteins in the Regulation of Normal and Disordered Human Erythropoiesis. Blood, 2015, 126, 159-159.	1.4	0
315	Unravelling Macrophage Heterogeneity in Erythroblastic Islands Between Species. Blood, 2016, 128, 2436-2436.	1.4	0
316	p19INK4d Modulates Human Terminal Erythroid Differentiation By Post-Transcriptionally Regulating GATA1 Expression. Blood, 2016, 128, 697-697.	1.4	0
317	Inhibition of Human Erythropoiesis during Inflammation Is Mediated By High Mobility Group Box Protein 1 (HMGB1) through Decreased Commitment of Hematopoietic Stem Cells to the Erythroid Lineage and By Increased Apoptosis of Terminally Differentiating Erythroblasts. Blood, 2016, 128, 702-702.	1.4	0
318	Is the erythropoietin receptor the key to the identification of the central macrophage in erythroblastic islands?. Blood Science, 2020, 2, 38-39.	0.9	0