Carlo Brugnara

List of Publications by Year
in descending order

227 papers	14,668 citations	18436 62 h-index	20307 116 g-index
253 all docs	253 docs citations	253 times ranked	15277 citing authors

#	Article	IF	Citations
1	Positional cloning of zebrafish ferroportin1 identifies a conserved vertebrate iron exporter. Nature, 2000, 403, 776-781.	13.7	1,491
2	Fetal Anemia and Apoptosis of Red Cell Progenitors in Stat5aâˆ'/âˆ'5bâˆ'/âˆ' Mice. Cell, 1999, 98, 181-191.	13.5	665
3	Ineffective erythropoiesis in Stat5aâˆ'/âˆ'5bâˆ'/âˆ' mice due to decreased survival of early erythroblasts. Blood, 2001, 98, 3261-3273.	0.6	625
4	Iron Deficiency and Erythropoiesis: New Diagnostic Approaches. Clinical Chemistry, 2003, 49, 1573-1578.	1.5	443
5	Hemolytic anemia induced by ribavirin therapy in patients with chronic hepatitis C virus infection: Role of membrane oxidative damage. Hepatology, 2000, 31, 997-1004.	3.6	426
6	Highly efficient therapeutic gene editing of human hematopoietic stem cells. Nature Medicine, 2019, 25, 776-783.	15.2	344
7	Inhibition of Ca(2+)-dependent K+ transport and cell dehydration in sickle erythrocytes by clotrimazole and other imidazole derivatives.. Journal of Clinical Investigation, 1993, 92, 520-526.	3.9	333
8	Erythropoietin, iron, and erythropoiesis. Blood, 2000, 96, 823-833.	0.6	317
9	Foxo3 is required for the regulation of oxidative stress in erythropoiesis. Journal of Clinical Investigation, 2007, 117, 2133-2144.	3.9	270
10	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.	13.5	267
11	Multiple clinical forms of dehydrated hereditary stomatocytosis arise from mutations in PIEZO1. Blood, 2013, 121, 3925-3935.	0.6	266
12	Regulation of erythrocyte cation and water content in sickle cell anemia. Science, 1986, 232, 388-390.	6.0	258
13	Use of Recombinant Human Erythropoietin Outside the Setting of Uremia. Blood, 1997, 89, 4248-4267.	0.6	244
14	Positional cloning of the zebrafish sauternes gene: a model for congenital sideroblastic anaemia. Nature Genetics, 1998, 20, 244-250.	9.4	239
15	5-hydroxymethyl-2-furfural modifies intracellular sickle haemoglobin and inhibits sickling of red blood cells. British Journal of Haematology, 2005, 128, 552-561.	1.2	211
16	Therapy with oral clotrimazole induces inhibition of the Gardos channel and reduction of erythrocyte dehydration in patients with sickle cell disease.. Journal of Clinical Investigation, 1996, 97, 1227-1234.	3.9	211
17	Reticulocyte Hemoglobin Content to Diagnose Iron Deficiency in Children. JAMA - Journal of the American Medical Association, 1999, 281, 2225.	3.8	204
18	Reticulocyte hemoglobin equivalent (Ret He) and assessment of iron-deficient states. International Journal of Laboratory Hematology, 2006, 28, 303-308.	0.2	194

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19	Suppression of Fas-FasL coexpression by erythropoietin mediates erythroblast expansion during the erythropoietic stress response in vivo. Blood, 2006, 108, 123-133.	0.6	192
20	Treatment of Sickle Cell Anemia with Hydroxyurea and Erythropoietin. New England Journal of Medicine, 1990, 323, 366-372.	13.9	183
21	cDNA Cloning and Functional Characterization of the Mouse Ca2+-gated K+ Channel, mIK1. Journal of Biological Chemistry, 1998, 273, 21542-21553.	1.6	183
22	ICA-17043, a novel Gardos channel blocker, prevents sickled red blood cell dehydration in vitro and in vivo in SAD mice. Blood, 2003, 101, 2412-2418.	0.6	180
23	Erythropoietin, iron, and erythropoiesis. Blood, 2000, 96, 823-833.	0.6	180
24	E2F4 Is Essential for Normal Erythrocyte Maturation and Neonatal Viability. Molecular Cell, 2000, 6, 281-291.	4.5	174
25	Physiological Roles of the Intermediate Conductance, Ca2+-activated Potassium Channel Kcnn4. Journal of Biological Chemistry, 2004, 279, 47681-47687.	1.6	173
26	Autosomal Dominant Distal Renal Tubular Acidosis Is Associated in Three Families with Heterozygosity for the R589H Mutation in the AE1 (Band 3) Clâ^'/HCO3â^'Exchanger. Journal of Biological Chemistry, 1998, 273, 6380-6388.	1.6	167
27	Preliminary Assessment of Inhaled Nitric Oxide for Acute Vaso-occlusive Crisis in Pediatric Patients With Sickle Cell Disease. JAMA - Journal of the American Medical Association, 2003, 289, 1136.	3.8	158
28	Reticulocyte Cellular Indices: A New Approach in the Diagnosis of Anemias and Monitoring of Erythropoietic Function. Critical Reviews in Clinical Laboratory Sciences, 2000, 37, 93-130.	2.7	149
29	Clotrimazole inhibits cell proliferation in vitro and in vivo. Nature Medicine, 1995, 1, 534-540.	15.2	146
30	Screening Healthy Infants for Iron Deficiency Using Reticulocyte Hemoglobin Content. JAMA - Journal of the American Medical Association, 2005, 294, 924.	3.8	146
31	Aging-like Phenotype and Defective Lineage Specification in SIRT1-Deleted Hematopoietic Stem and Progenitor Cells. Stem Cell Reports, 2014, 3, 44-59.	2.3	135
32	Structural and Functional Consequences of Antigenic Modulation of Red Blood Cells With Methoxypoly(Ethylene Glycol). Blood, 1999, 93, 2121-2127.	0.6	130
33	Clinical Utility of Reticulocyte Parameters. Clinics in Laboratory Medicine, 2015, 35, 133-163.	0.7	122
34	Failure of red blood cell maturation in mice with defects in the high-density lipoprotein receptor SR-BI. Blood, 2002, 99, 1817-1824.	0.6	115
35	Density-based separation in multiphase systems provides a simple method to identify sickle cell disease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14864-14869.	3.3	107
36	A forward genetic screen identifies erythrocyte CD55 as essential for Plasmodium falciparum invasion. Science, 2015, 348, 711-714.	6.0	107

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37	Expansion of host cellular niche can drive adaptation of a zoonotic malaria parasite to humans. Nature Communications, 2013, 4, 1638.	5.8	96
38	Variant-aware saturating mutagenesis using multiple Cas9 nucleases identifies regulatory elements at trait-associated loci. Nature Genetics, 2017, 49, 625-634.	9.4	96
39	Modulation of Gardos channel activity by cytokines in sickle erythrocytes. Blood, 2002, 99, 357-363.	0.6	94
40	A Dominant Negative Mutant of the KCC1 K-Cl Cotransporter. Journal of Biological Chemistry, 2001, 276, 41870-41878.	1.6	93
41	Erythrocyte density in sickle cell syndromes is associated with specific clinical manifestations and hemolysis. Blood, 2012, 120, 3136-3141.	0.6	91
42	Resveratrol accelerates erythroid maturation by activation of FoxO3 and ameliorates anemia in beta-thalassemic mice. Haematologica, 2014, 99, 267-275.	1.7	89
43	Mouse K-Cl cotransporter KCC1: cloning, mapping, pathological expression, and functional regulation. American Journal of Physiology - Cell Physiology, 1999, 277, C899-C912.	2.1	87
44	Red cell indices in classification and treatment of anemias. Current Opinion in Hematology, 2013, 20, 222-230.	1.2	81
45	Novel Gardos channel mutations linked to dehydrated hereditary stomatocytosis (xerocytosis). American Journal of Hematology, 2015, 90, 921-926.	2.0	81
46	Disruption of erythroid K-Cl cotransporters alters erythrocyte volume and partially rescues erythrocyte dehydration in SAD mice. Journal of Clinical Investigation, 2007, 117, 1708-1717.	3.9	80
47	Mitochondrial Atpif1 regulates haem synthesis in developing erythroblasts. Nature, 2012, 491, 608-612.	13.7	78
48	Targeted Application of Human Genetic Variation Can Improve Red Blood Cell Production from Stem Cells. Cell Stem Cell, 2016, 18, 73-78.	5.2	78
49	Automated reticulocyte counting: state of the art and clinical applications in the evaluation of erythropoiesis. Clinical Chemistry and Laboratory Medicine, 2010, 48, 1369-1380.	1.4	77
50	Automated Reticulocyte Counting and Measurement of Reticulocyte Cellular Indices:Evaluation of the Miles H*3 Blood Analyzer. American Journal of Clinical Pathology, 1994, 102, 623-632.	0.4	76
51	Serine/threonine protein phosphatases and regulation of K-Cl cotransport in human erythrocytes. American Journal of Physiology - Cell Physiology, 1999, 277, C926-C936.	2.1	76
52	Efficacy of different dosing regimens for recombinant human erythropoietin in a simulated perisurgical setting: The importance of iron availability in optimizing response. American Journal of Medicine, 1994, 96, 139-145.	0.6	74
53	FOXO3â€mTOR metabolic cooperation in the regulation of erythroid cell maturation and homeostasis. American Journal of Hematology, 2014, 89, 954-963.	2.0	73
54	Elevation of red cell sodium-lithium countertransport in hyperlipidemias. Life Sciences, 1985, 36, 649-655.	2.0	72

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55	Mild spherocytosis and altered red cell ion transport in protein 4.2â€“null mice. Journal of Clinical Investigation, 1999, 103, 1527-1537.	3.9	72
56	An algorithm using reticulocyte hemoglobin content (CHr) measurement in screening adolescents for iron deficiency. Journal of Adolescent Health, 2005, 36, 529.	1.2	71
57	Headpiece domain of dematin is required for the stability of the erythrocyte membrane. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6637-6642.	3.3	68
58	Treatment with NS3623, a novel Cl-conductance blocker, ameliorates erythrocyte dehydration in transgenic SAD mice: a possible new therapeutic approach for sickle cell disease. Blood, 2001, 97, 1451-1457.	0.6	67
59	Missense mutations in the ABCB6 transporter cause dominant familialpseudohyperkalemia. American Journal of Hematology, 2013, 88, 66-72.	2.0	67
60	Iron balance and iron supplementation for the female athlete: A practical approach. European Journal of Sport Science, 2018, 18, 295-305.	1.4	67
61	Reticulocyte Hemoglobin:An Integrated Parameter for Evaluation of Erythropoietic Activity. American Journal of Clinical Pathology, 1997, 108, 133-142.	0.4	66
62	Positive Iron Balance in Chronic Kidney Disease: How Much is Too Much and How to Tell?. American Journal of Nephrology, 2018, 47, 72-83.	1.4	65
63	Sickle Cell Disease: From Membrane Pathophysiology to Novel Therapies for Prevention of Erythrocyte Dehydration. Journal of Pediatric Hematology/Oncology, 2003, 25, 927-933.	0.3	64
64	Cellular effects of hydroxyurea in Hb SC disease. British Journal of Haematology, 1997, 98, 838-844.	1.2	62
65	The effect of intravenous iron on the reticulocyte response to recombinant human erythropoietin. British Journal of Haematology, 1997, 98, 292-294.	1.2	61
66	Erythrocyte dehydration in pathophysiology and treatment of sickle cell disease. Current Opinion in Hematology, 1995, 2, 132-138.	1.2	60
67	Erythrocyte membrane transport physiology. Current Opinion in Hematology, 1997, 4, 122-127.	1.2	59
68	Global genome analysis reveals a vast and dynamic anellovirus landscape within the human virome. Cell Host and Microbe, 2021, 29, 1305-1315.e6.	5.1	59
69	Diagnosis of iron-deficient states. Critical Reviews in Clinical Laboratory Sciences, 2015, 52, 256-272.	2.7	57
70	Iron therapy in the pediatric hemodialysis population. Pediatric Nephrology, 2004, 19, 655-661.	0.9	54
71	Dietary Â-3 fatty acids protect against vasculopathy in a transgenic mouse model of sickle cell disease. Haematologica, 2015, 100, 870-880.	1.7	51
72	Effect of cell age and phenylhydrazine on the cation transport properties of rabbit erythrocytes. Journal of Cellular Physiology, 1993, 154, 271-280.	2.0	50

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73	Endothelins activate Ca²⁺-gated K⁺channels via endothelin B receptors in CD-1 mouse erythrocytes. American Journal of Physiology - Cell Physiology, 1999, 277, C746-C754.	2.1	50
74	Formation of Dense Erythrocytes in SAD Mice Exposed to Chronic Hypoxia: Evaluation of Different Therapeutic Regimens and of a Combination of Oral Clotrimazole and Magnesium Therapies. Blood, 1999, 94, 4307-4313.	0.6	50
75	Resolution of sickle cell diseaseâ€“associated inflammation and tissue damage with 17R-resolvin D1. Blood, 2019, 133, 252-265.	0.6	50
76	Hypoxia Activates a Ca2+-Permeable Cation Conductance Sensitive to Carbon Monoxide and to GsMTx-4 in Human and Mouse Sickle Erythrocytes. PLoS ONE, 2010, 5, e8732.	1.1	50
77	Dietary Magnesium Supplementation Ameliorates Anemia in a Mouse Model of Î²-Thalassemia. Blood, 1997, 90, 1283-1290.	0.6	49
78	Genotypeâ€•phenotype correlation and risk stratification in a cohort of 123 hereditary stomatocytosis patients. American Journal of Hematology, 2018, 93, 1509-1517.	2.0	48
79	Hereditary xerocytosis revisited. American Journal of Hematology, 2014, 89, 1142-1146.	2.0	47
80	In vivo reduction of erythrocyte oxidant stress in a murine model of beta-thalassemia. Haematologica, 2004, 89, 1287-98.	1.7	47
81	Pathophysiological-Based Approaches to Treatment of Sickle Cell Disease. Annual Review of Medicine, 2003, 54, 89-112.	5.0	43
82	Evaluation of a Density-Based Rapid Diagnostic Test for Sickle Cell Disease in a Clinical Setting in Zambia. PLoS ONE, 2014, 9, e114540.	1.1	42
83	ACTIVATED PROTEIN C CONCENTRATE FOR THE TREATMENT OF MENINGOCOCCAL ENDOTOXIN SHOCK IN RABBITS. Shock, 1998, 9, 138-142.	1.0	40
84	Use of a preoperative bleeding questionnaire in pediatric patients who undergo adenotonsillectomy. Otolaryngology - Head and Neck Surgery, 2008, 139, 546-550.	1.1	40
85	Optical Assay of Erythrocyte Function in Banked Blood. Scientific Reports, 2014, 4, 6211.	1.6	39
86	The pyruvate kinase activator mitapivat reduces hemolysis and improves anemia in a Î²-thalassemia mouse model. Journal of Clinical Investigation, 2021, 131, .	3.9	39
87	PTPÏµ has a critical role in signaling transduction pathways and phosphoprotein network topology in red cells. Proteomics, 2008, 8, 4695-4708.	1.3	37
88	Thawing Fresh Frozen Plasma in a Microwave Oven: A Comparison with Thawing in a 37 Â°C Waterbath. American Journal of Clinical Pathology, 1992, 97, 227-232.	0.4	35
89	A Hematologic â€œGold Standardâ€•for Iron-deficient States?1. Clinical Chemistry, 2002, 48, 981-982.	1.5	35
90	Single-cell analysis of FOXP3 deficiencies in humans and mice unmasks intrinsic and extrinsic CD4+ T cell perturbations. Nature Immunology, 2021, 22, 607-619.	7.0	35

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91	Daily Multivitamins With Iron to Prevent Anemia in High-Risk Infants: A Randomized Clinical Trial. Pediatrics, 2004, 114, 86-93.	1.0	34
92	Functional characterization and modified rescue of novel AE1 mutation R730C associated with overhydrated cation leak stomatocytosis. American Journal of Physiology - Cell Physiology, 2011, 300, C1034-C1046.	2.1	34
93	2015 Clinical trials update in sickle cell anemia. American Journal of Hematology, 2015, 90, 934-950.	2.0	34
94	Phase I study of magnesium pidolate in combination with hydroxycarbamide for children with sickle cell anaemia. British Journal of Haematology, 2007, 140, 071107175539001-???.	1.2	33
95	Sickle cell dehydration: Pathophysiology and therapeutic applications. Clinical Hemorheology and Microcirculation, 2018, 68, 187-204.	0.9	33
96	Calpain-1 knockout reveals broad effects on erythrocyte deformability and physiology. Biochemical Journal, 2012, 448, 141-152.	1.7	32
97	Regulation of K-Cl cotransport during reticulocyte maturation and erythrocyte aging in normal and sickle erythrocytes. American Journal of Physiology - Cell Physiology, 2003, 285, C31-C38.	2.1	30
98	Genetic influences on peripheral blood cell counts: a study in baboons. Blood, 2005, 106, 1210-1214.	0.6	30
99	Protective effects ofS-nitrosoalbumin on lung injury induced by hypoxia-reoxygenation in mouse model of sickle cell disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 291, L457-L465.	1.3	30
100	Protective effects of phosphodiesteraseâ€4 (PDEâ€4) inhibition in the early phase of pulmonary arterial hypertension in transgenic sickle cell mice. FASEB Journal, 2008, 22, 1849-1860.	0.2	30
101	The effects of hydroxycarbamide and magnesium on haemoglobin SC disease: results of the multiâ€centre CHAMPS trial. British Journal of Haematology, 2011, 152, 771-776.	1.2	30
102	Functional characterization of novel ABCB6 mutations and their clinical implications in familial pseudohyperkalemia. Haematologica, 2016, 101, 909-917.	1.7	30
103	Membrane polyunsaturated fatty acids and lithium-sodium countertransport in human erythrocytes. Life Sciences, 1987, 41, 1171-1178.	2.0	29
104	Evidence for a protective role of the Gardos channel against hemolysis in murine spherocytosis. Blood, 2005, 106, 1454-1459.	0.6	29
105	Reductions in Red Blood Cell 2,3-Diphosphoglycerate Concentration during Continuous Renal Replacment Therapy. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 74-79.	2.2	29
106	K-Cl cotransport modulation by intracellular Mg in erythrocytes from mice bred for low and high Mg levels. American Journal of Physiology - Cell Physiology, 2001, 281, C1385-C1395.	2.1	28
107	Pharmacological inhibition of calpainâ€1 prevents red cell dehydration and reduces Gardos channel activity in a mouse model of sickle cell disease. FASEB Journal, 2013, 27, 750-759.	0.2	28
108	Dehydrated stomatocytic anemia due to the heterozygous mutation R2456H in the mechanosensitive cation channel PIEZO1: a case report. Blood Cells, Molecules, and Diseases, 2014, 52, 53-54.	0.6	28

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109	Effect of metabolic depletion on the furosemide-sensitive Na and K fluxes in human red cells. Journal of Membrane Biology, 1985, 86, 145-155.	1.0	26
110	Characteristics of the volume- and chloride-dependent K transport in human erythrocytes homozygous for hemoglobin C. Journal of Membrane Biology, 1989, 111, 69-81.	1.0	26
111	Maximum urine concentrating ability in children with Hb SC disease: Effects of hydroxyurea. , 2000, 64, 47-52.		25
112	Quantitative trait loci for baseline white blood cell count, platelet count, and mean platelet volume. Mammalian Genome, 2005, 16, 749-763.	1.0	25
113	Protein phosphatase 1Î± is tyrosine-phosphorylated and inactivated by peroxynitrite in erythrocytes through the src family kinase fgr. Free Radical Biology and Medicine, 2005, 38, 1625-1636.	1.3	24
114	Loss-of-function and gain-of-function phenotypes of stomatocytosis mutant RhAG F65S. American Journal of Physiology - Cell Physiology, 2011, 301, C1325-C1343.	2.1	24
115	Effect of complete protein 4.1R deficiency on ion transport properties of murine erythrocytes. American Journal of Physiology - Cell Physiology, 2006, 291, C880-C886.	2.1	23
116	Membrane properties of erythrocytes in subjects undergoing multiple blood donations with or without recombinant erythropoietin. British Journal of Haematology, 1993, 84, 118-130.	1.2	22
117	Abnormal regulation of Mg2+ transport via Na/Mg exchanger in sickle erythrocytes. Blood, 2005, 105, 382-386.	0.6	22
118	Diagnosis of iron deficiency anemia using density-based fractionation of red blood cells. Lab on A Chip, 2016, 16, 3929-3939.	3.1	22
119	An artificial intelligenceâ€assisted diagnostic platform for rapid nearâ€patient hematology. American Journal of Hematology, 2021, 96, 1264-1274.	2.0	22
120	Ion Content and Transport and the Regulation of Volume in Sickle Cells. Annals of the New York Academy of Sciences, 1989, 565, 96-103.	1.8	21
121	Therapeutic Strategies for Prevention of Sickle Cell Dehydration. Blood Cells, Molecules, and Diseases, 2001, 27, 71-80.	0.6	21
122	Erythrocytes from hereditary xerocytosis patients heterozygous for KCNN4 V282M exhibit increased spontaneous Gardos channelâ€like activity inhibited by senicapoc. American Journal of Hematology, 2017, 92, E108-E110.	2.0	21
123	Management Training for Pathology Residents:II. Experience with a Focused Curriculum. American Journal of Clinical Pathology, 1994, 101, 564-568.	0.4	20
124	A New Therapeutic Approach for Sickle Cell Disease.. Annals of the New York Academy of Sciences, 1995, 763, 262-271.	1.8	20
125	A High-Performance Liquid Chromatographic Assay for the Determination of Itraconazole Concentration Using Solid-Phase Extraction and Small Sample Volume. Therapeutic Drug Monitoring, 1995, 17, 522-525.	1.0	19
126	Iron Deficiency: What Are the Future Trends in Diagnostics and Therapeutics?. Clinical Chemistry, 2013, 59, 740-745.	1.5	19

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127	Shape oscillations of single blood drops: applications to human blood and sickle cell disease. Scientific Reports, 2018, 8, 16794.	1.6	19
128	Plasmodium vivax infection compromises reticulocyte stability. Nature Communications, 2021, 12, 1629.	5.8	19
129	Bitopertin, a selective oral GLYT1 inhibitor, improves anemia in a mouse model of Î²-thalassemia. JCI Insight, 2019, 4, .	2.3	19
130	Management Training for Pathology Residents:I. Results of a National Survey. American Journal of Clinical Pathology, 1994, 101, 559-563.	0.4	18
131	Use of erythropoiesis stimulating agents and intravenous iron for cancer and treatment-related anaemia: the need for predictors and indicators of effectiveness has not abated. British Journal of Haematology, 2008, 142, 3-10.	1.2	17
132	An Economic Analysis of Anemia Prevention during Infancy. Journal of Pediatrics, 2009, 154, 44-49.	0.9	17
133	Erythrocytes lacking the Langereis blood group protein ABCB6 are resistant to the malaria parasite Plasmodium falciparum. Communications Biology, 2018, 1, 45.	2.0	17
134	Erythrocyte-active agents and treatment of sickle cell disease. Seminars in Hematology, 2001, 38, 324-332.	1.8	16
135	Regulation of Kâ€“Cl cotransport by protein phosphatase 1Î± in mouse erythrocytes. Pflugers Archiv European Journal of Physiology, 2006, 451, 760-768.	1.3	16
136	Quantitative trait loci for baseline erythroid traits. Mammalian Genome, 2006, 17, 298-309.	1.0	16
137	A common functional PIEZO1 deletion allele associates with red blood cell density in sickle cell disease patients. American Journal of Hematology, 2018, 93, E362-E365.	2.0	15
138	Haemoglobin response to senicapoc in patients with sickle cell disease: a reâ€analysis of the Phase III trial. British Journal of Haematology, 2021, 192, e129-e132.	1.2	15
139	The Safety and Efficacy of Oral Magnesium Pidolate in Children with Hemoglobin SC Disease.. Blood, 2005, 106, 3777-3777.	0.6	15
140	Potential causal role of l-glutamine in sickle cell disease painful crises: A Mendelian randomization analysis. Blood Cells, Molecules, and Diseases, 2021, 86, 102504.	0.6	14
141	Sequence variation at multiple loci influences red cell hemoglobin concentration. Blood, 2010, 116, e139-e149.	0.6	13
142	Genome-wide association study of erythrocyte density in sickle cell disease patients. Blood Cells, Molecules, and Diseases, 2017, 65, 60-65.	0.6	13
143	Revised prevalence estimate of possible Hereditary Xerocytosis as derived from a large U.S. Laboratory database. American Journal of Hematology, 2018, 93, E9-E12.	2.0	13
144	Using Reticulocyte Hemoglobin Equivalent as a Marker for Iron Deficiency and Responsiveness to Iron Therapy. Mayo Clinic Proceedings, 2021, 96, 1510-1519.	1.4	13

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145	Clotrimazole and efaroxan inhibit red cell Gardos channel independently of imidazoline I1 and I2 binding sites. European Journal of Pharmacology, 1996, 295, 109-112.	1.7	12
146	Hydroxyurea and Sickle Cell Disease. JAMA - Journal of the American Medical Association, 2003, 289, 1692.	3.8	12
147	Degree of Agreement in Plasma Fibrinogen Among Two Functional and One Immunonephelometric Assays. American Journal of Clinical Pathology, 1997, 107, 527-533.	0.4	11
148	Chemical crosslinking studies with the mouse Kcc1 Kâ€“Cl cotransporter. Blood Cells, Molecules, and Diseases, 2009, 42, 233-240.	0.6	11
149	Combined genetic disruption of K-Cl cotransporters and Gardos channel KCNN4 rescues erythrocyte dehydration in the SAD mouse model of sickle cell disease. Blood Cells, Molecules, and Diseases, 2019, 79, 102346.	0.6	11
150	Erythrocyte ion content and dehydration modulate maximal Gardos channel activity in KCNN4 V282M/+ hereditary xerocytosis red cells. American Journal of Physiology - Cell Physiology, 2019, 317, C287-C302.	2.1	11
151	Reduced DIDS-sensitive chloride conductance in Ae1â^'/â^' mouse erythrocytes. Blood Cells, Molecules, and Diseases, 2008, 41, 22-34.	0.6	10
152	Early Detection of Response to Hydroxyurea Therapy in Patients with Sickle Cell Anemia. Hemoglobin, 2010, 34, 424-429.	0.4	10
153	Increased Red Cell KCNN4 Activity in Sporadic Hereditary Xerocytosis Associated With Enhanced Single Channel Pressure Sensitivity of PIEZO1ÂMutant V598M. HemaSphere, 2018, 2, e55.	1.2	10
154	Haematological effects of oral administration of bitopertin, a glycine transport inhibitor, in patients with nonâ€transfusionâ€dependent Î²â€thalassaemia. British Journal of Haematology, 2021, 194, 474-477.	1.2	10
155	Structure and genetic polymorphism of the mouse KCC1 gene. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1492, 353-361.	2.4	9
156	Pediatric hematology normal ranges derived from pediatric primary care patients. American Journal of Hematology, 2020, 95, E255.	2.0	9
157	Erythrocyte[mdash]active agents and treatment of sickle cell disease. Seminars in Hematology, 2001, 38, 324-332.	1.8	9
158	Plasminogen activator inhibitor-1: Defining characteristics in the cerebrospinal fluid of newborns. Journal of Pediatrics, 2000, 137, 132-134.	0.9	8
159	An immunoassay for human serum hepcidin at last: Ganz klar?. Blood, 2008, 112, 3922-3923.	0.6	8
160	Strain-specific variations in cation content and transport in mouse erythrocytes. Physiological Genomics, 2013, 45, 343-350.	1.0	8
161	The Clinically Tested Gardos Channel Inhibitor Senicapoc Exhibits Antimalarial Activity. Antimicrobial Agents and Chemotherapy, 2016, 60, 613-616.	1.4	8
162	Prevention of Red Cell Dehydration: A Possible New Treatment for Sickle Cell Disease. Fetal and Pediatric Pathology, 2001, 20, 15-25.	0.3	7

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163	Quantitative trait loci for peripheral blood cell counts: a study in baboons. Mammalian Genome, 2007, 18, 361-372.	1.0	7
164	Heritability of fetal hemoglobin, white cell count, and other clinical traits from a sickle cell disease family cohort. American Journal of Hematology, 2019, 94, 522-527.	2.0	6
165	AmericanJournal ofHematology, getting ready for the 40th birthday in 2016. American Journal of Hematology, 2015, 90, 1-1.	2.0	5
166	Automated Hematology Analyzers: State of the Art. Clinics in Laboratory Medicine, 2015, 35, xiii-xiv.	0.7	5
167	The utility of the DDAVP challenge test in children with low von Willebrand factor. British Journal of Haematology, 2015, 170, 884-886.	1.2	5
168	Genetic disruption of KCC cotransporters in a mouse model of thalassemia intermedia. Blood Cells, Molecules, and Diseases, 2020, 81, 102389.	0.6	5
169	A <i>Grammastola spatulata</i> mechanotoxin-4 (GsMTx4)-sensitive cation channel mediates increased cation permeability in human hereditary spherocytosis of multiple genetic etiologies. Haematologica, 2021, 106, 2759-2762.	1.7	5
170	Hematologic Aspects of Kidney Disease. , 2012, , 2081-2121.		5
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