

# Mark T Gladwin

## List of Publications by Year in descending order

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Version: 2024-02-01

467  
papers

49,513  
citations

1612

108  
h-index

2142

209  
g-index

476  
all docs

476  
docs citations

476  
times ranked

36951  
citing authors

#	ARTICLE	IF	CITATIONS
1	Donor genetic and nongenetic factors affecting red blood cell transfusion effectiveness. JCI Insight, 2022, 7, .	2.3	29
2	Clonal hematopoiesis in sickle cell disease. Journal of Clinical Investigation, 2022, 132, .	3.9	26
3	Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed. Cell Genomics, 2022, 2, 100084.	3.0	29
4	Tri-iodide and vanadium chloride based chemiluminescent methods for quantification of nitrogen oxides. Nitric Oxide - Biology and Chemistry, 2022, 121, 11-19.	1.2	7
5	Safety of liver biopsy in patients with sickle cell related liver disease: A single-center experience. American Journal of Hematology, 2022, 97, .	2.0	1
6	Sex-specific genetic modifiers identified susceptibility of cold stored red blood cells to osmotic hemolysis. BMC Genomics, 2022, 23, 227.	1.2	2
7	Reversal of Right Ventricular Hypertrophy and Dysfunction by Prostacyclin in a Rat Model of Severe Pulmonary Arterial Hypertension. International Journal of Molecular Sciences, 2022, 23, 5426.	1.8	5
8	Revisiting Arginine Therapy for Sickle Cell Acute Vaso-occlusive Painful Crisis. American Journal of Respiratory and Critical Care Medicine, 2022, , .	2.5	0
9	The Value of Rare Genetic Variation in the Prediction of Common Obesity in European Ancestry Populations. Frontiers in Endocrinology, 2022, 13, 863893.	1.5	7
10	Donor sex, age and ethnicity impact stored red blood cell antioxidant metabolism through mechanisms in part explained by glucose 6-phosphate dehydrogenase levels and activity. Haematologica, 2021, 106, 1290-1302.	1.7	95
11	Redox sensor properties of human cytoglobin allosterically regulate heme pocket reactivity. Free Radical Biology and Medicine, 2021, 162, 423-434.	1.3	8
12	Right ventricular load and contractility in HIV-associated pulmonary hypertension. PLoS ONE, 2021, 16, e0243274.	1.1	7
13	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. Nature, 2021, 590, 290-299.	13.7	1,069
14	Effect of Poloxamer 188 vs Placebo on Painful Vaso-Occlusive Episodes in Children and Adults With Sickle Cell Disease. JAMA - Journal of the American Medical Association, 2021, 325, 1513.	3.8	24
15	Opioid-Associated Out-of-Hospital Cardiac Arrest: Distinctive Clinical Features and Implications for Health Care and Public Responses: A Scientific Statement From the American Heart Association. Circulation, 2021, 143, e836-e870.	1.6	53
16	Innovations in MD-only physician-scientist training: experiences from the Burroughs Wellcome Fund physician-scientist institutional award initiative. Journal of Clinical Investigation, 2021, 131, .	3.9	4
17	Diagnosis and Treatment of Right Heart Failure in Pulmonary Vascular Diseases: A National Heart, Lung, and Blood Institute Workshop. Circulation: Heart Failure, 2021, 14, .	1.6	11
18	Frataxin deficiency promotes endothelial senescence in pulmonary hypertension. Journal of Clinical Investigation, 2021, 131, .	3.9	38

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19	Mechanistic insights into cell-free hemoglobin-induced injury during septic shock. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H2385-H2400.	1.5	9
20	Relaxin Inhibits Ventricular Arrhythmia and Asystole in Rats With Pulmonary Arterial Hypertension. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 668222.	1.1	7
21	Voices for Social Justice and Against Racism: An AAIM Perspective. <i>American Journal of Medicine</i> , 2021, 134, 930-934.	0.6	1
22	Multiple-ancestry genome-wide association study identifies 27 loci associated with measures of hemolysis following blood storage. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	42
23	Endogenous Hemoprotein-Dependent Signaling Pathways of Nitric Oxide and Nitrite. <i>Inorganic Chemistry</i> , 2021, 60, 15918-15940.	1.9	16
24	Metabolic Syndrome Mediates ROS-miR-193b-NFYA-Dependent Downregulation of Soluble Guanylate Cyclase and Contributes to Exercise-Induced Pulmonary Hypertension in Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2021, 144, 615-637.	1.6	44
25	Endothelium Seeing Red: Should We Redefine eNOS as the Endothelial and Erythrocytic NOS?. <i>Circulation</i> , 2021, 144, 890-892.	1.6	7
26	Stressed erythrophagocytosis induces immunosuppression during sepsis through heme-mediated STAT1 dysregulation. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	31
27	Exercise-induced changes of vital signs in adults with sickle cell disease. <i>American Journal of Hematology</i> , 2021, 96, 1630-1638.	2.0	2
28	Plasma NTPDase1 Activity Regulates Platelet Purinergic Signaling in Sickle Cell Disease. <i>Blood</i> , 2021, 138, 2026-2026.	0.6	0
29	Platelet Extracellular Vesicles Drive Inflammation-IL-1 $\beta$ -Dependent Lung Injury in Sickle Cell Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 33-46.	2.5	66
30	Carbonic anhydrase II does not regulate nitrite-dependent nitric oxide formation and vasodilation. <i>British Journal of Pharmacology</i> , 2020, 177, 898-911.	2.7	10
31	Nitrite Improves Heart Regeneration in Zebrafish. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 363-377.	2.5	12
32	<i>S100B</i> has pleiotropic effects on vaso-occlusive manifestations in sickle cell disease. <i>American Journal of Hematology</i> , 2020, 95, E62-E65.	2.0	1
33	Sickle cell disease: at the crossroads of pulmonary hypertension and diastolic heart failure. <i>Heart</i> , 2020, 106, 562-568.	1.2	21
34	Brief Report: Hydroxychloroquine does not induce hemolytic anemia or organ damage in a humanized-G6PD A- mouse model. <i>PLoS ONE</i> , 2020, 15, e0240266.	1.1	6
35	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. <i>Nature</i> , 2020, 586, 763-768.	13.7	376
36	Effects of Oral Sodium Nitrite on Blood Pressure, Insulin Sensitivity, and Intima-Media Arterial Thickening in Adults With Hypertension and Metabolic Syndrome. <i>Hypertension</i> , 2020, 76, 866-874.	1.3	19

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37	Serum albumin is independently associated with higher mortality in adult sickle cell patients: Results of three independent cohorts. <i>PLoS ONE</i> , 2020, 15, e0237543.	1.1	3
38	The CYB5R3 c . 350C >G and G6PD A alleles modify severity of anemia in malaria and sickle cell disease. <i>American Journal of Hematology</i> , 2020, 95, 1269-1279.	2.0	8
39	Home Nitric Oxide Therapy for COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 16-20.	2.5	64
40	Exploring New Therapeutic Pathways in Pulmonary Hypertension. <i>Metabolism, Proliferation, and Personalized Medicine. American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 279-292.	1.4	8
41	Impaired Bile Secretion Promotes Hepatobiliary Injury in Sickle Cell Disease. <i>Hepatology</i> , 2020, 72, 2165-2181.	3.6	12
42	Research Priorities for Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2020, 141, 1001-1026.	1.6	239
43	A neuroglobin-based high-affinity ligand trap reverses carbon monoxide-induced mitochondrial poisoning. <i>Journal of Biological Chemistry</i> , 2020, 295, 6357-6371.	1.6	22
44	BMP9/10 in Pulmonary Vascular Complications of Liver Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1575-1578.	2.5	32
45	Nitrite attenuates mitochondrial impairment and vascular permeability induced by ischemia-reperfusion injury in the lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L580-L591.	1.3	4
46	Clinical Characterization of E-Cigarette, or Vaping, Product Use-associated Lung Injury in 36 Patients in Pittsburgh, Pennsylvania. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1303-1306.	2.5	19
47	Tricuspid regurgitation velocity and other biomarkers of mortality in children, adolescents and young adults with sickle cell disease in the United States: The <sc>PUSH</sc> study. <i>American Journal of Hematology</i> , 2020, 95, 766-774.	2.0	19
48	Update in Pulmonary Vascular Diseases and Right Ventricular Dysfunction 2019. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 22-28.	2.5	5
49	Treatment With Treprostinil and Metformin Normalizes Hyperglycemia and Improves Cardiac Function in Pulmonary Hypertension Associated With Heart Failure With Preserved Ejection Fraction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1543-1558.	1.1	20
50	The Effects of Inhaled Sodium Nitrite on Pulmonary Vascular Impedance in Patients With Pulmonary Hypertension Associated with Heart Failure With Preserved Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2020, 26, 654-661.	0.7	10
51	Intravascular hemolysis triggers ADP-mediated generation of platelet-rich thrombi in precapillary pulmonary arterioles. <i>JCI Insight</i> , 2020, 5, .	2.3	8
52	Genome Wide Association Analysis of Iron Overload in the Trans-Omics for Precision Medicine (TOPMed) Sickle Cell Disease Cohorts. <i>Blood</i> , 2020, 136, 52-52.	0.6	1
53	No evidence of hemoglobin damage by SARS-CoV-2 infection. <i>Haematologica</i> , 2020, 105, 2769-2773.	1.7	31
54	First report of <sup>68</sup> Ga-PRGD2 PET/MRI molecular imaging of vaso-occlusion in a patient with sickle cell disease. <i>BJR   case Reports</i> , 2020, 6, 20200024.	0.1	0

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55	Exercise Induced Changes of Vital Signs in Adults with Sickle Cell Disease. Blood, 2020, 136, 59-60.	0.6	1
56	Integrin $\alpha$ IIb $\beta$ 3 Regulates Platelet-Procoagulant Activity in the Lung. Blood, 2020, 136, 32-32.	0.6	0
57	Loss of FXR Signaling Promotes Chronic Liver Injury in Sickle Cell Disease. Blood, 2020, 136, 16-16.	0.6	0
58	The T117S Variant of Cytochrome b5 Reductase 3 Increases the Risk for Ischemic Stroke with Enhanced Anemia in Mice with Sickle Cell Disease. Blood, 2020, 136, 17-18.	0.6	0
59	Impaired Hepcidin Metabolism Promotes Hemolysis Induced Hepatobiliary Injury in Sickle Cell Disease. Blood, 2020, 136, 28-28.	0.6	0
60	Title is missing!. , 2020, 15, e0237543.		0
61	Title is missing!. , 2020, 15, e0237543.		0
62	Title is missing!. , 2020, 15, e0237543.		0
63	Title is missing!. , 2020, 15, e0237543.		0
64	Title is missing!. , 2020, 15, e0237543.		0
65	Title is missing!. , 2020, 15, e0237543.		0
66	Pulmonary vascular disease in the setting of heart failure with preserved ejection fraction. Trends in Cardiovascular Medicine, 2019, 29, 207-217.	2.3	20
67	Nitrite and nitrate chemical biology and signalling. British Journal of Pharmacology, 2019, 176, 228-245.	2.7	94
68	The Zebrafish Cytochrome <i>b5</i> /Cytochrome <i>b5</i> Reductase/NADH System Efficiently Reduces Cytoglobins 1 and 2: Conserved Activity of Cytochrome <i>b5</i> /Cytochrome <i>b5</i> Reductases during Vertebrate Evolution. Biochemistry, 2019, 58, 3212-3223.	1.2	12
69	Validation of a composite vascular high-risk profile for adult patients with sickle cell disease. American Journal of Hematology, 2019, 94, E312-E314.	2.0	3
70	Whole Genome Sequencing Identifies CRISPLD2 as a Lung Function Gene in Children With Asthma. Chest, 2019, 156, 1068-1079.	0.4	5
71	Interventional Therapies for Acute Pulmonary Embolism: Current Status and Principles for the Development of Novel Evidence: A Scientific Statement From the American Heart Association. Circulation, 2019, 140, e774-e801.	1.6	241
72	Vaping-associated Acute Lung Injury: A Case Series. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1430-1431.	2.5	91

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73	Improved quantitative detection of biotin-labeled red blood cells by flow cytometry. <i>Transfusion</i> , 2019, 59, 2691-2698.	0.8	8
74	Current good manufacturing practices-compliant manufacture and measurement of biotin-labeled red blood cells. <i>Cytotherapy</i> , 2019, 21, 793-800.	0.3	5
75	Vascular TSP1-CD47 signaling promotes sickle cell-associated arterial vasculopathy and pulmonary hypertension in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L1150-L1164.	1.3	39
76	Nox1/Ref-1-mediated activation of CREB promotes Gremlin1-driven endothelial cell proliferation and migration. <i>Redox Biology</i> , 2019, 22, 101138.	3.9	35
77	Smooth muscle cytochrome b5 reductase 3 deficiency accelerates pulmonary hypertension development in sickle cell mice. <i>Blood Advances</i> , 2019, 3, 4104-4116.	2.5	12
78	Effects of aged stored autologous red blood cells on human plasma metabolome. <i>Blood Advances</i> , 2019, 3, 884-896.	2.5	54
79	End points for sickle cell disease clinical trials: renal and cardiopulmonary, cure, and low-resource settings. <i>Blood Advances</i> , 2019, 3, 4002-4020.	2.5	21
80	Inorganic nitrite bioactivation and role in physiological signaling and therapeutics. <i>Biological Chemistry</i> , 2019, 401, 201-211.	1.2	23
81	Insights into the pulmonary vascular complications of heart failure with preserved ejection fraction. <i>Journal of Physiology</i> , 2019, 597, 1143-1156.	1.3	18
82	Intradonor reproducibility and changes in hemolytic variables during red blood cell storage: results of recall phase of the REDS-III RBC-Omics study. <i>Transfusion</i> , 2019, 59, 79-88.	0.8	47
83	Impact of different standard red blood cell storage temperatures on human and canine RBC hemolysis and chromium survival. <i>Transfusion</i> , 2019, 59, 347-358.	0.8	8
84	Frequent blood donations alter susceptibility of red blood cells to storage- and stress-induced hemolysis. <i>Transfusion</i> , 2019, 59, 67-78.	0.8	44
85	Erythrocytic bioactivation of nitrite and its potentiation by far-red light. <i>Redox Biology</i> , 2019, 20, 442-450.	3.9	13
86	Sleep phenotype in the Townes mouse model of sickle cell disease. <i>Sleep and Breathing</i> , 2019, 23, 333-339.	0.9	11
87	Heterogeneity of blood processing and storage additives in different centers impacts stored red blood cell metabolism as much as storage time: lessons from REDS-III-Omics. <i>Transfusion</i> , 2019, 59, 89-100.	0.8	71
88	Sources of Vascular Nitric Oxide and Reactive Oxygen Species and Their Regulation. <i>Physiological Reviews</i> , 2019, 99, 311-379.	13.1	323
89	Pathophysiology of Sickle Cell Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2019, 14, 263-292.	9.6	358
90	AMP Kinase Activation Attenuates Cardiac Remodeling in Pulmonary Hypertension due to Heart Failure with Preserved Ejection Fraction; Lung Epithelial Progenitor Cells in Alveolar Regeneration; and Drug Discovery and Novel Therapies for Lung Cancer. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 244-247.	1.4	0

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91	Blood, sweat, and tears: Red Blood Cell Omics study objectives, design, and recruitment activities. <i>Transfusion</i> , 2019, 59, 46-56.	0.8	44
92	Piloting and implementation of quality assessment and quality control procedures in RBC Omics: a large multi-center study of red blood cell hemolysis during storage. <i>Transfusion</i> , 2019, 59, 57-66.	0.8	22
93	Impaired Bile Secretion Promotes Chronic Liver Injury in Sickle Cell Disease. <i>Blood</i> , 2019, 134, 3536-3536.	0.6	1
94	Sickle Cell Disease Promotes Dysregulation of Hepatic Iron Homeostasis By Regulating Hpcidin Expression. <i>Blood</i> , 2019, 134, 958-958.	0.6	0
95	Innate Immune Mechanism of Hemarthrosis in Hemophilia-a Mice. <i>Blood</i> , 2019, 134, 1043-1043.	0.6	0
96	CD39 As a Master Regulator of Pulmonary Thrombosis in Sickle Cell Disease. <i>Blood</i> , 2019, 134, 2266-2266.	0.6	0
97	Circulating Neutrophil Extracellular Traps in the Pathogenesis of Acute Chest Syndrome of Sickle Cell Disease. <i>Blood</i> , 2019, 134, 3556-3556.	0.6	0
98	Apixaban or Rivaroxaban Versus Warfarin for Treatment of Submassive Pulmonary Embolism After Catheter-Directed Thrombolysis. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2018, 24, 908-913.	0.7	13
99	Nitric oxide pathology and therapeutics in sickle cell disease. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 68, 223-237.	0.9	24
100	Clinical Outcomes and Mortality Impact of Hyperbaric Oxygen Therapy in Patients With Carbon Monoxide Poisoning. <i>Critical Care Medicine</i> , 2018, 46, e649-e655.	0.4	33
101	Nitric Oxide-independent Soluble Guanylate Cyclase Activation Improves Vascular Function and Cardiac Remodeling in Sickle Cell Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 636-647.	1.4	25
102	Redefining pulmonary hypertension. <i>Lancet Respiratory Medicine</i> , 2018, 6, 168-170.	5.2	41
103	Pulmonary vascular endothelium: the orchestra conductor in respiratory diseases. <i>European Respiratory Journal</i> , 2018, 51, 1700745.	3.1	136
104	Association Between Hemodynamic Markers of Pulmonary Hypertension and Outcomes in Heart Failure With Preserved Ejection Fraction. <i>JAMA Cardiology</i> , 2018, 3, 298.	3.0	162
105	Mitochondrial Complex I Reversible S-Nitrosation Improves Bioenergetics and Is Protective in Parkinson's Disease. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 44-61.	2.5	21
106	Under Pressure to Clarify Pulmonary Hypertension Clinical Risk. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 423-426.	2.5	12
107	Biomarker signatures of sickle cell disease severity. <i>Blood Cells, Molecules, and Diseases</i> , 2018, 72, 1-9.	0.6	22
108	Erythrocytes and Vascular Function: Oxygen and Nitric Oxide. <i>Frontiers in Physiology</i> , 2018, 9, 125.	1.3	104

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109	Emerging therapeutics in pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L769-L781.	1.3	26
110	Hemolysis-mediated Toxicity during Cardiopulmonary Bypass Ameliorated by Inhaled Nitric Oxide Gas. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1244-1246.	2.5	6
111	Nitrosyl Myoglobins and Their Nitrite Precursors: Crystal Structural and Quantum Mechanics and Molecular Mechanics Theoretical Investigations of Preferred Fe<i>2+Biochemistry, 2018, 57, 4788-4802.	1.2	14
112	Left Ventricular Ejection Fraction Cut Point of 50% for Heart Failure With Preserved Ejection Fraction—Reply. <i>JAMA Cardiology</i> , 2018, 3, 1023.	3.0	0
113	Experimental intravascular hemolysis induces hemodynamic and pathological pulmonary hypertension: association with accelerated purine metabolism. <i>Pulmonary Circulation</i> , 2018, 8, 1-15.	0.8	12
114	Metformin Therapy for Pulmonary Hypertension Associated with Heart Failure with Preserved Ejection Fraction versus Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 681-684.	2.5	23
115	Hemolysis and hemolysis-related complications in females vs. males with sickle cell disease. <i>American Journal of Hematology</i> , 2018, 93, E376-E380.	2.0	14
116	Haptoglobin improves shock, lung injury, and survival in canine pneumonia. <i>JCI Insight</i> , 2018, 3, .	2.3	41
117	Regulatory Genetic Variation at the S100B Gene Associates with Vaso-Occlusive Manifestations in Sickle Cell Disease. <i>Blood</i> , 2018, 132, 1063-1063.	0.6	1
118	Thrombospondin-1 gene polymorphism is associated with estimated pulmonary artery pressure in patients with sickle cell anemia. <i>American Journal of Hematology</i> , 2017, 92, E31-E34.	2.0	10
119	How Red Blood Cells Process Nitric Oxide. <i>Circulation</i> , 2017, 135, 177-179.	1.6	8
120	Risk factors for mortality in adult patients with sickle cell disease: a meta-analysis of studies in North America and Europe. <i>Haematologica</i> , 2017, 102, 626-636.	1.7	97
121	Mouse Genome-Wide Association Study of Preclinical Group II Pulmonary Hypertension Identifies Epidermal Growth Factor Receptor. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 488-496.	1.4	20
122	Development of a Mouse Model of Metabolic Syndrome, Pulmonary Hypertension, and Heart Failure with Preserved Ejection Fraction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 497-505.	1.4	61
123	Enhancing Insights into Pulmonary Vascular Disease through a Precision Medicine Approach. A Joint NHLBI—Cardiovascular Medical Research and Education Fund Workshop Report. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1661-1670.	2.5	59
124	Potential therapeutic action of nitrite in sickle cell disease. <i>Redox Biology</i> , 2017, 12, 1026-1039.	3.9	30
125	Cytochrome b5 Reductase 3 Modulates Soluble Guanylate Cyclase Redox State and cGMP Signaling. <i>Circulation Research</i> , 2017, 121, 137-148.	2.0	73
126	Enterosalivary nitrate metabolism and the microbiome: Intersection of microbial metabolism, nitric oxide and diet in cardiac and pulmonary vascular health. <i>Free Radical Biology and Medicine</i> , 2017, 105, 48-67.	1.3	123

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127	Cytoglobin at the Crossroads of Vascular Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1803-1805.	1.1	4
128	The matricellular protein TSP1 promotes human and mouse endothelial cell senescence through CD47 and Nox1. <i>Science Signaling</i> , 2017, 10, .	1.6	65
129	Cell-Free Plasma Hemoglobin and Male Gender Are Risk Factors for Acute Kidney Injury in Low Risk Children Undergoing Cardiopulmonary Bypass. <i>Critical Care Medicine</i> , 2017, 45, e1123-e1130.	0.4	24
130	A 53-Year-Old Woman with Severe Carbon Monoxide Poisoning. <i>Annals of the American Thoracic Society</i> , 2017, 14, 1475-1478.	1.5	0
131	Conjugated Linoleic Acid Modulates Clinical Responses to Oral Nitrite and Nitrate. <i>Hypertension</i> , 2017, 70, 634-644.	1.3	23
132	Do BRD(4)S of a Feather Flock Together?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1428-1430.	1.1	3
133	Efficient Reduction of Vertebrate Cytoglobins by the Cytochrome <i>b<sub>5</sub></i> /Cytochrome <i>b<sub>5</sub></i> Reductase/NADH System. <i>Biochemistry</i> , 2017, 56, 3993-4004.	1.2	42
134	Carbon Monoxide Poisoning: Pathogenesis, Management, and Future Directions of Therapy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 596-606.	2.5	446
135	Rates and risk factors of hypertension in adolescents and adults with sickle cell anaemia in Tanzania: 10Âyearsâ€™ experience. <i>British Journal of Haematology</i> , 2017, 177, 930-937.	1.2	6
136	Hemoglobin Î± in Pulmonary Endothelium: Ironing Out Nitric Oxide Signaling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 639-641.	1.4	0
137	Ethnicity, sex, and age are determinants of red blood cell storage and stress hemolysis: results of the REDS-III RBC-Omics study. <i>Blood Advances</i> , 2017, 1, 1132-1141.	2.5	164
138	Associations of Î±-thalassemia and BCL11A with stroke in Nigerian, United States, and United Kingdom sickle cell anemia cohorts. <i>Blood Advances</i> , 2017, 1, 693-698.	2.5	12
139	Lung vaso-occlusion in sickle cell disease mediated by arteriolar neutrophil-platelet microemboli. <i>JCI Insight</i> , 2017, 2, e89761.	2.3	95
140	Intravascular hemolysis and the pathophysiology of sickle cell disease. <i>Journal of Clinical Investigation</i> , 2017, 127, 750-760.	3.9	435
141	Cardiovascular complications in patients with sickle cell disease. <i>Hematology American Society of Hematology Education Program</i> , 2017, 2017, 423-430.	0.9	29
142	Hairy Platelet-Derived Extracellular Vesicles Promote Lung Vaso-Occlusion in Sickle Cell Disease. <i>Blood</i> , 2017, 130, 958-958.	0.6	1
143	Biomarker Signatures of Sickle Cell Disease Severity. <i>Blood</i> , 2017, 130, 690-690.	0.6	0
144	Dietary Nitrate and the Epidemiology of Cardiovascular Disease: Report From a National Heart, Lung, and Blood Institute Workshop. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	66

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145	Five-coordinate H64Q neuroglobin as a ligand-trap antidote for carbon monoxide poisoning. <i>Science Translational Medicine</i> , 2016, 8, 368ra173.	5.8	50
146	Peroxidase activation of cytoglobin by anionic phospholipids: Mechanisms and consequences. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 391-401.	1.2	30
147	Response by Lai and Gladwin to Letter Regarding Article, "SIRT3-AMP-Activated Protein Kinase Activation by Nitrite and Metformin Improves Hyperglycemia and Normalizes Pulmonary Hypertension Associated With Heart Failure With Preserved Ejection Fraction". <i>Circulation</i> , 2016, 134, e79-80.	1.6	3
148	Testosterone-dependent sex differences in red blood cell hemolysis in storage, stress, and disease. <i>Transfusion</i> , 2016, 56, 2571-2583.	0.8	118
149	A genetic variation associated with plasma erythropoietin and a non-coding transcript of PRKAR1A in sickle cell disease. <i>Human Molecular Genetics</i> , 2016, 25, ddw299.	1.4	4
150	Sickle Cell Trait Increases Red Blood Cell Storage Hemolysis and Post-Transfusion Clearance in Mice. <i>EBioMedicine</i> , 2016, 11, 239-248.	2.7	34
151	AltitudeOmics: Red Blood Cell Metabolic Adaptation to High Altitude Hypoxia. <i>Journal of Proteome Research</i> , 2016, 15, 3883-3895.	1.8	98
152	Globin X is a six-coordinate globin that reduces nitrite to nitric oxide in fish red blood cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8538-8543.	3.3	44
153	Rationale and design of mDOT-HuA study: a randomized trial to assess the effect of mobile-directly observed therapy on adherence to hydroxyurea in adults with sickle cell anemia in Tanzania. <i>BMC Medical Research Methodology</i> , 2016, 16, 140.	1.4	10
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