Gregory J. Kato

List of Publications by Year
in descending order

327	14,521	16451 64	22166 113
papers	citations	h-index	g-index

338	338	338	10674
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gene Therapy as the New Frontier for Sickle Cell Disease. Current Medicinal Chemistry, 2022, 29, 453-466.	2.4	6
2	Plasma-Derived Hemopexin as a Candidate Therapeutic Agent for Acute Vaso-Occlusion in Sickle Cell Disease: Preclinical Evidence. Journal of Clinical Medicine, 2022, 11, 630.	2.4	15
3	Safety of liver biopsy in patients with sickle cell related liver disease: A singleâ€center experience. American Journal of Hematology, 2022, 97, .	4.1	1
4	Molecular mechanisms of hepatic dysfunction in sickle cell disease: lessons from Townes mouse model. American Journal of Physiology - Cell Physiology, 2022, 323, C494-C504.	4.6	2
5	Immunomodulatory actions of a kynurenine-derived endogenous electrophile. Science Advances, 2022, 8, .	10.3	4
6	Identifying adolescent and young adult patients with sickle cell disease at highest risk of death. American Journal of Hematology, 2021, 96, 9-11.	4.1	2
7	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.	7.4	24
8	Lactate dehydrogenase to carboxyhemoglobin ratio as a biomarker of heme release to heme processing is associated with higher tricuspid regurgitant jet velocity and early death in sickle cell disease. American Journal of Hematology, 2021, 96, E315-E318.	4.1	1
9	Exerciseâ€induced changes of vital signs in adults with sickle cell disease. American Journal of Hematology, 2021, 96, 1630-1638.	4.1	2
10	Targeted Proteomics of Pulmonary Hypertension in Sickle Cell Disease. Blood, 2021, 138, 981-981.	1.4	0
11	Platelet Extracellular Vesicles Drive Inflammasomeâ€“IL-1Î²â€“Dependent Lung Injury in Sickle Cell Disease. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 33-46.	5.6	66
12	Nrf2 deficiency in mice attenuates erythropoietic stress-related macrophage hypercellularity. Experimental Hematology, 2020, 84, 19-28.e4.	0.4	8
13	Kynurenine-derived Electrophiles: Potential Adaptive Mediators in Sickle Cell Disease. Free Radical Biology and Medicine, 2020, 159, S35-S36.	2.9	0
14	Serum albumin is independently associated with higher mortality in adult sickle cell patients: Results of three independent cohorts. PLoS ONE, 2020, 15, e0237543.	2.5	3
15	The CYB5R3 c . 350C >G and G6PD A alleles modify severity of anemia in malaria and sickle cell disease. American Journal of Hematology, 2020, 95, 1269-1279.	4.1	8
16	Heme Induces IL-6 and Cardiac Hypertrophy Genes Transcripts in Sickle Cell Mice. Frontiers in Immunology, 2020, 11, 1910.	4.8	17
17	147 A Prospective Phase II, Open-Label, Single-arm, Multicenter Study to Assess the Efficacy and Safety of SEG101 (Crizanlizumab) in Sickle Cell Disease Patients With Priapism (SPARTAN). Journal of Sexual Medicine, 2020, 17, S43.	0.6	0
18	Impaired Bile Secretion Promotes Hepatobiliary Injury in Sickle Cell Disease. Hepatology, 2020, 72, 2165-2181.	7.3	12

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19	Sickle particulars of microparticles. Blood, 2020, 136, 154-155.	1.4	1
20	Tricuspid regurgitation velocity and other biomarkers of mortality in children, adolescents and young adults with sickle cell disease in the United States: The <scp>PUSH</scp> study. American Journal of Hematology, 2020, 95, 766-774.	4.1	19
21	The Worst Things in Life are Free: The Role of Free Heme in Sickle Cell Disease. Frontiers in Immunology, 2020, 11, 561917.	4.8	39
22	Exercise Induced Changes of Vital Signs in Adults with Sickle Cell Disease. Blood, 2020, 136, 59-60.	1.4	1
23	Microvascular Stasis Inhibition By Hemopexin in the Townes Mouse Model of Sickle Cell Disease. Blood, 2020, 136, 9-9.	1.4	0
24	Prevention of Heme-Induced Human Endothelial Cell Activation By Hemopexin in Vitro. Blood, 2020, 136, 8-8.	1.4	0
25	Title is missing!. , 2020, 15, e0237543.		0
26	Title is missing!. , 2020, 15, e0237543.		0
27	Title is missing!. , 2020, 15, e0237543.		0
28	Title is missing!. , 2020, 15, e0237543.		0
29	Title is missing!. , 2020, 15, e0237543.		0
30	Title is missing!. , 2020, 15, e0237543.		0
31	Sickle cell vasculopathy: vascular phenotype on fire!. Journal of Physiology, 2019, 597, 993-994.	2.9	4
32	Cardiac expression of HMOX1 and PGF in sickle cell mice and haemâ€treated wild type mice dominates organ expression profiles via Nrf2 (Nfe2l2). British Journal of Haematology, 2019, 187, 666-675.	2.5	6
33	Validation of a composite vascular highâ€risk profile for adult patients with sickle cell disease. American Journal of Hematology, 2019, 94, E312-E314.	4.1	3
34	Free heme regulates placenta growth factor through NRF2-antioxidant response signaling. Free Radical Biology and Medicine, 2019, 143, 300-308.	2.9	14
35	Identifying Clinical and Research Priorities in Sickle Cell Lung Disease. An Official American Thoracic Society Workshop Report. Annals of the American Thoracic Society, 2019, 16, e17-e32.	3.2	33
36	Sickle cells and sickle trait in thrombosis. Blood, 2019, 133, 2463-2463.	1.4	7

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37	Health-related quality of life in sickle cell disease. Nature Reviews Disease Primers, 2019, 5, 27.	30.5	3
38	The Role of Platelets in Sickle Cell Disease. , 2019, , 563-580.		2
39	End points for sickle cell disease clinical trials: renal and cardiopulmonary, cure, and low-resource settings. Blood Advances, 2019, 3, 4002-4020.	5.2	21
40	Sleep phenotype in the Townes mouse model of sickle cell disease. Sleep and Breathing, 2019, 23, 333-339.	1.7	11
41	Sickle related events following cardiac catheterisation: risk implication for other invasive procedures. British Journal of Haematology, 2019, 185, 778-780.	2.5	0
42	Anakinra, What Is Thy Bidding in Pulmonary Hypertension?. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 267-269.	5.6	2
43	A Phase II Trial of Topical Sodium Nitrite in Patients with Sickle Cell Disease and Leg Ulcers. Blood, 2019, 134, 2292-2292.	1.4	1
44	Impaired Bile Secretion Promotes Chronic Liver Injury in Sickle Cell Disease. Blood, 2019, 134, 3536-3536.	1.4	1
45	A Prospective Phase II, Open-Label, Single-Arm, Multicenter Study to Assess the Efficacy and Safety of SEG101 (Crizanlizumab) in Sickle Cell Disease Patients with Priapism (SPARTAN). Blood, 2019, 134, 1007-1007.	1.4	0
46	360o View of a Day Hospital Program Performing Exchange Transfusion and Outpatient Pain Management on Adults with Sickle Cell Disease. Blood, 2019, 134, 5873-5873.	1.4	0
47	Sickle Cell Disease Promotes Dysregulation of Hepatic Iron Homeostasis By Regulating Hepcidin Expression. Blood, 2019, 134, 958-958.	1.4	0
48	Lactate Dehydrogenase to Carboxyhemoglobin Ratio As a Biomarker of Heme Release to Heme Processing Is Associated with Higher Tricuspid Regurgitant Jet Velocity and Early Death in Sickle Cell Disease. Blood, 2019, 134, 2274-2274.	1.4	0
49	Macrophage Hypercellularity Accompanies Erythroid Hyperplasia in Sickle Cell Mice and during Recovery from Blood Loss in Wild Type Mice. Blood, 2019, 134, 3528-3528.	1.4	0
50	Nrf2 Null Mice Are Deficient in CD169+ Macrophages, Associated with Impaired Erythroid Response and Delayed Recovery from Acute Blood Loss. Blood, 2019, 134, 1038-1038.	1.4	0
51	Sickle cell disease. Nature Reviews Disease Primers, 2018, 4, 18010.	30.5	764
52	Haem augments and iron chelation decreases tollâ€like receptor 4 mediated inflammation in monocytes from sickle cell patients. British Journal of Haematology, 2018, 181, 552-554.	2.5	7
53	Brief topical sodium nitrite and its impact on the quality of life in patients with sickle leg ulcers. Medicine (United States), 2018, 97, e12614.	1.0	3
54	Exercise training: a prescription for sickle-cell disease?. Lancet Haematology,the, 2018, 5, e502-e503.	4.6	1

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55	Clinical Outcomes Associated With Sickle Cell Trait. Annals of Internal Medicine, 2018, 169, 619.	3.9	78
56	Simultaneous polymerization and adhesion under hypoxia in sickle cell disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9473-9478.	7.1	55
57	Abstract Animations for the Communication and Assessment of Pain in Adults: Cross-Sectional Feasibility Study. Journal of Medical Internet Research, 2018, 20, e10056.	4.3	16
58	Clinical and Laboratory Predictors of 30-Day Hospital Readmission Risk in Adult Patients with Sickle Cell Disease. Blood, 2018, 132, 2384-2384.	1.4	0
59	Assessment of Iron Overload Impact on QTc Interval in Patients with Sickle Cell Disease. Blood, 2018, 132, 3673-3673.	1.4	0
60	Heterogeneity in Multi-Organ Expression of HO-1 and PlGF in Sickle Mice Mimic Exposure of Non-Sickle Mice to Extracellular Heme Via Nrf2-Dependent Pathways. Blood, 2018, 132, 2392-2392.	1.4	0
61	Thrombospondinâ€1 gene polymorphism is associated with estimated pulmonary artery pressure in patients with sickle cell anemia. American Journal of Hematology, 2017, 92, E31-E34.	4.1	10
62	Prostacyclin-analog therapy in sickle cell pulmonary hypertension. Haematologica, 2017, 102, e163-e165.	3.5	15
63	Skeletal and myocardial microvascular blood flow in hydroxycarbamideâ€treated patients with sickle cell disease. British Journal of Haematology, 2017, 179, 648-656.	2.5	18
64	Lung vaso-occlusion in sickle cell disease mediated by arteriolar neutrophil-platelet microemboli. JCI Insight, 2017, 2, e89761.	5.0	95
65	The Defective Arginine-Nitric Oxide Pathway in Sickle Cell Disease. , 2017, , 355-371.		0
66	Intravascular hemolysis and the pathophysiology of sickle cell disease. Journal of Clinical Investigation, 2017, 127, 750-760.	8.2	435
67	Cellular biophysical markers of hydroxyurea treatment in sickle cell disease. , 2017, , .		0
68	Hairy Platelet-Derived Extracellular Vesicles Promote Lung Vaso-Occlusion in Sickle Cell Disease. Blood, 2017, 130, 958-958.	1.4	1
69	New insights into sickle cell disease. Current Opinion in Hematology, 2016, 23, 224-232.	2.5	30
70	Cellular normoxic biophysical markers of hydroxyurea treatment in sickle cell disease. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9527-9532.	7.1	36
71	New developments in antiâ€sickling agents: can drugs directly prevent the polymerization of sickle haemoglobin inÂvivo?. British Journal of Haematology, 2016, 175, 24-30.	2.5	58
72	Elevated transpulmonary gradient and cardiac magnetic resonance-derived right ventricular remodeling predict poor outcomes in sickle cell disease. Haematologica, 2016, 101, e40-e43.	3.5	10

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73	Critical Reviews: How we treat sickle cell patients with leg ulcers. American Journal of Hematology, 2016, 91, 22-30.	4.1	56
74	Sickle Cell Imaging Flow Cytometry Assay (SIFCA). Methods in Molecular Biology, 2016, 1389, 279-292.	0.9	11
75	Inflammation and Sickle Cell Anemia. , 2016, , 177-211.		4
76	Neutrophil-Platelet Aggregation Enables Vaso-Occlusion in Sickle Cell Disease. Blood, 2016, 128, 1295-1295.	1.4	3
77	The Impact of Cognitive Function on Adherence to Hydroxyurea Therapy in Patients with Sickle Cell Disease. Blood, 2016, 128, 2493-2493.	1.4	3
78	Biophysical markers of Sickle Cell Disease at Individual Cell Level. , 2016, , .		0
79	Structural and Functional Insight of Sphingosine 1-Phosphate-Mediated Pathogenic Metabolic Reprogramming in Sickle Cell Disease. Blood, 2016, 128, 2474-2474.	1.4	0
80	Hospitalization for Acute Pain in Sickle Cell Disease: Changes in Clinical Parameters and Factors Predicting Hospital Discharge and Re-Admission. Blood, 2016, 128, 3662-3662.	1.4	0
81	Higher Myocardial and Skeletal Muscle Microvascular Flow in Sickle Cell Disease Patients on Hydroxyurea. Blood, 2016, 128, 1020-1020.	1.4	1
82	Amerindian/Asian Ancestry and Mortality Are Associated with Allo-Immunization in Adults with Sickle Cell Disease in a Genome Wide Racial Admixture Study. Blood, 2016, 128, 3650-3650.	1.4	0
83	Thrombospondin-1 Polymorphisms Are Associated with Chronic Kidney Disease in Sickle Cell Anemia. Blood, 2016, 128, 2491-2491.	1.4	0
84	Iron restriction in sickle cell anemia: Time for controlled clinical studies. American Journal of Hematology, 2015, 90, E217.	4.1	7
85	Liver injury is associated with mortality in sickle cell disease. Alimentary Pharmacology and Therapeutics, 2015, 42, 912-921.	3.7	44
86	Kinetics of sickle cell biorheology and implications for painful vasoocclusive crisis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1422-1427.	7.1	99
87	Defective nitric oxide metabolism in sickle cell disease. Pediatric Blood and Cancer, 2015, 62, 373-374.	1.5	11
88	Management of Patients With Sickle Cell Disease. JAMA - Journal of the American Medical Association, 2015, 313, 91.	7.4	4
89	Oscillatory haematopoiesis in adults with sickle cell disease treated with hydroxycarbamide. British Journal of Haematology, 2015, 168, 737-746.	2.5	6
90	Gout and sickle cell disease: not all pain is sickle cell pain. British Journal of Haematology, 2015, 171, 872-875.	2.5	6

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91	Rapid vs. delayed infrared responses after ischemia reveal recruitment of different vascular beds. Quantitative InfraRed Thermography Journal, 2015, 12, 173-183.	4.2	7
92	Iron, Inflammation, and Early Death in Adults With Sickle Cell Disease. Circulation Research, 2015, 116, 298-306.	4.5	71
93	Association of FOXO3A Polymorphisms with Hematocrit, LDH and Longevity in Patients with Sickle Cell Anemia from CSSCD, Walk-Phasst, and PUSH Clinical Trials. Blood, 2015, 126, 2176-2176.	1.4	0
94	Thrombospondin-1 Gene Polymorphism Is Associated with Estimated Pulmonary Artery Pressure in Patients with Sickle Cell Anemia. Blood, 2015, 126, 970-970.	1.4	0
95	Platelet Nucleation on Arrested Neutrophils Drives Vaso-Occlusion in Sickle Cell Disease. Blood, 2015, 126, 414-414.	1.4	0
96	Heme Augments Toll-like Receptor 4 Signalling in Sickle Cell and Healthy Control Monocytes. Blood, 2015, 126, 2167-2167.	1.4	0
97	The Oxidant Response Transcription Factor NRF2 Mediates Heme Activation of Placenta Growth Factor Expression in Erythroid Cells, a Contributor to Pulmonary Hypertension in Sickle Cell Disease. Blood, 2015, 126, 403-403.	1.4	0
98	Elevated Pulse Pressure is Associated with Hemolysis, Proteinuria and Chronic Kidney Disease in Sickle Cell Disease. PLoS ONE, 2014, 9, e114309.	2.5	26
99	Reply: Practice Guideline for Pulmonary Hypertension in Sickle Cell: Direct Evidence Needed before Universal Adoption. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 238-240.	5.6	1
100	Sleep disturbance, depression and pain in adults with sickle cell disease. BMC Psychiatry, 2014, 14, 207.	2.6	78
101	A GCH1 haplotype confers sexâ€specific susceptibility to pain crises and altered endothelial function in adults with sickle cell anemia. American Journal of Hematology, 2014, 89, 187-193.	4.1	38
102	Abnormal Pulmonary Function and Associated Risk Factors in Children and Adolescents With Sickle Cell Anemia. Journal of Pediatric Hematology/Oncology, 2014, 36, 185-189.	0.6	44
103	A Retrospective Review of Acupuncture Use for the Treatment of Pain in Sickle Cell Disease Patients. Clinical Journal of Pain, 2014, 30, 825-830.	1.9	37
104	Computed Tomography Correlates with Cardiopulmonary Hemodynamics in Pulmonary Hypertension in Adults with Sickle Cell Disease. Pulmonary Circulation, 2014, 4, 319-329.	1.7	7
105	Therapeutic Strategies to Alter the Oxygen Affinity of Sickle Hemoglobin. Hematology/Oncology Clinics of North America, 2014, 28, 217-231.	2.2	65
106	Vasculopathy, inflammation, and blood flow in leg ulcers of patients with sickle cell anemia. American Journal of Hematology, 2014, 89, 1-6.	4.1	62
107	Imaging flow cytometry for automated detection of hypoxiaâ€induced erythrocyte shape change in sickle cell disease. American Journal of Hematology, 2014, 89, 598-603.	4.1	60
108	Topical sodium nitrite for chronic leg ulcers in patients with sickle cell anaemia: a phase 1 dose-finding safety and tolerability trial. Lancet Haematology,the, 2014, 1, e95-e103.	4.6	37

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109	Microvascular oxygen consumption during sickle cell pain crisis. Blood, 2014, 123, 3101-3104.	1.4	13
110	Extensive Ex Vivo Expansion of Functional Human Erythroid Precursors Established From Umbilical Cord Blood Cells by Defined Factors. Molecular Therapy, 2014, 22, 451-463.	8.2	45
111	An Official American Thoracic Society Clinical Practice Guideline: Diagnosis, Risk Stratification, and Management of Pulmonary Hypertension of Sickle Cell Disease. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 727-740.	5.6	197
112	Mo1001 Nodular Regenerative Hyperplasia: Many Ways to Get There. Gastroenterology, 2014, 146, S-983.	1.3	0
113	Prominent role of platelets in the formation of circulating neutrophil-red cell heterocellular aggregates in sickle cell anemia. Haematologica, 2014, 99, e214-e217.	3.5	34
114	Imaging flow cytometry documents incomplete resistance of human sickle F-cells to ex vivo hypoxia-induced sickling. Blood, 2014, 124, 658-660.	1.4	6
115	Heme-bound iron activates placenta growth factor in erythroid cells via erythroid KrÃ¼ppel-like factor. Blood, 2014, 124, 946-954.	1.4	40
116	No NO means yes to sickle red cell adhesion. Blood, 2014, 123, 1780-1782.	1.4	8
117	Elevated sphingosine-1-phosphate promotes sickling and sickle cell disease progression. Journal of Clinical Investigation, 2014, 124, 2750-2761.	8.2	112
118	Quantification of Anti-Sickling Effect of Aes-103 in Sickle Cell Disease Using an in Vitro Microfluidic Assay. Blood, 2014, 124, 2699-2699.	1.4	2
119	Stimulation of Nitric Oxide Synthase Activity By Plasma Apolipoproteins: a Biomarker of Endothelial Function in Adults with Sickle Cell Disease. Blood, 2014, 124, 4015-4015.	1.4	2
120	Risk Factors for Death in 632 Patients with Sickle Cell Disease in the United States and United Kingdom. PLoS ONE, 2014, 9, e99489.	2.5	107
121	Elevated sphingosine-1-phosphate promotes sickling and sickle cell disease progression. Journal of Clinical Investigation, 2014, 124, 3274-3274.	8.2	1
122	End-Alveolar Carbon Monoxide As a Measure of Erythrocyte Survival and Hemolytic Severity in Sickle Cell Disease. Blood, 2014, 124, 2696-2696.	1.4	0
123	Iron, Expression of the Pattern Recognition Receptor-Inflammasome System, and Early Death in Adults with Sickle Cell Disease. Blood, 2014, 124, 2702-2702.	1.4	1
124	Cardiopulmonary Functional Status in Children with SCD at Baseline: Pulse Pressure As a Biomarker of Early Compromise. Blood, 2014, 124, 2663-2663.	1.4	0
125	Elevated Pulse Pressure Is Associated with Hemolysis, Proteinuria and Chronic Kidney Disease in Sickle Cell Disease. Blood, 2014, 124, 2711-2711.	1.4	0
126	A fluorescence method to detect and quantitate sterol esterification by lecithin:cholesterol acyltransferase. Analytical Biochemistry, 2013, 441, 80-86.	2.4	16

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127	RV dysfunction by MRI is associated with elevated transpulmonary gradient and poor prognosis in patients with sickle cell associated pulmonary hypertension. Journal of Cardiovascular Magnetic Resonance, 2013, 15, O43.	3.3	0
128	Leg Ulcers in Sickle Cell Disease: Current Patterns and Practices. Hemoglobin, 2013, 37, 325-332.	0.8	55
129	Effect of Extended-Release Niacin on Serum Lipids and on Endothelial Function in Adults With Sickle Cell Anemia and Low High-Density Lipoprotein Cholesterol Levels. American Journal of Cardiology, 2013, 112, 1499-1504.	1.6	10
130	Circulating Blood Endothelial Nitric Oxide Synthase Contributes to the Regulation of Systemic Blood Pressure and Nitrite Homeostasis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1861-1871.	2.4	105
131	Genetic determinants of haemolysis in sickle cell anaemia. British Journal of Haematology, 2013, 161, 270-278.	2.5	45
132	Imaging flow cytometry for morphologic and phenotypic characterization of rare circulating endothelial cells. Cytometry Part B - Clinical Cytometry, 2013, 84, 379-389.	1.5	33
133	Mechanisms of hemolysisâ€associated platelet activation. Journal of Thrombosis and Haemostasis, 2013, 11, 2148-2154.	3.8	144
134	Thrombospondin-1 inhibits ADAMTS13 activity in sickle cell disease. Haematologica, 2013, 98, e132-e134.	3.5	35
135	Hemodynamic Predictors of Mortality in Adults with Sickle Cell Disease. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 840-847.	5.6	114
136	The relationship between the severity of hemolysis, clinical manifestations and risk of death in 415 patients with sickle cell anemia in the US and Europe. Haematologica, 2013, 98, 464-472.	3.5	170
137	Reduced sensitivity of the ferroportin Q248H mutant to physiological concentrations of hepcidin. Haematologica, 2013, 98, 455-463.	3.5	26
138	Circulating Endothelial Progenitor Cells in Adults with Sickle Cell Disease. Pulmonary Circulation, 2013, 3, 448-449.	1.7	2
139	Clinical correlates of acute pulmonary events in children and adolescents with sickle cell disease. European Journal of Haematology, 2013, 91, 62-68.	2.2	30
140	Liver stiffness increases acutely during sickle cell vasoâ€occlusive crisis. American Journal of Hematology, 2013, 88, E250-4.	4.1	14
141	Lactate dehydrogenase and hemolysis in sickle cell disease. Blood, 2013, 122, 1091-1092.	1.4	19
142	Expression of Regulatory Platelet MicroRNAs in Patients with Sickle Cell Disease. PLoS ONE, 2013, 8, e60932.	2.5	21
143	Phase 1 Clinical Trial Of The Candidate Anti-Sickling Agent Aes-103 In Adults With Sickle Cell Anemia. Blood, 2013, 122, 1009-1009.	1.4	18
144	The Anti-Sickling Agent Aes-103 Decreases Sickle Erythrocyte Fragility, Hypoxia-Induced Sickling and Hemolysis In Vitro. Blood, 2013, 122, 940-940.	1.4	4

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145	Severe Painful Vaso-Occlusive Crises and Mortality in a Contemporary Adult Sickle Cell Anemia Cohort Study. PLoS ONE, 2013, 8, e79923.	2.5	91
146	Topical Sodium Nitrite Is Effective In Reducing Leg Ulcer-Associated Pain In Patients With Sickle Cell Disease. Blood, 2013, 122, 2236-2236.	1.4	0
147	Imaging Flow Cytometry and Microfluidic Flow Assays Demonstrate Heterocellular Aggregation Of Immature Sickle Erythrocytes To Neutrophils Via Mac-1/VLA-4 Interactions. Blood, 2013, 122, 318-318.	1.4	1
148	Placenta Growth Factor Is Regulated By Heme-Bound Iron Via Erythroid KrÃ¼ppel-Like Factor In Erythroid Cells and Is Linked To Iron Status In Vivo In Sickle Cell Disease and Hereditary Hemochromatosis. Blood, 2013, 122, 432-432.	1.4	0
149	Imaging Flow Cytometry Documents Incomplete Resistance Of F-Cells To Hypoxia-Induced Sickling In Blood Samples From Patients With Sickle Cell Anemia. Blood, 2013, 122, 183-183.	1.4	0
150	A Novel Molecular Signature for Elevated Tricuspid Regurgitation Velocity in Sickle Cell Disease. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 359-368.	5.6	39
151	Pulmonary Complications of Sickle Cell Disease. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 1154-1165.	5.6	143
152	Reconstruction of thermographic signals to map perforator vessels in humans. Quantitative InfraRed Thermography Journal, 2012, 9, 123-133.	4.2	14
153	Characterizing non-linear dependencies among pairs of clinical variables and imaging data. , 2012, 2012, 2700-3.		3
154	Mortality in Adults With Sickle Cell Disease and Pulmonary Hypertension. JAMA - Journal of the American Medical Association, 2012, 307, 1254.	7.4	179
155	Atorvastatin reduces serum cholesterol and triglycerides with limited improvement in vascular function in adults with sickle cell anemia. Haematologica, 2012, 97, 1768-1770.	3.5	17
156	An Elevated Tricuspid Regurgitant Jet Velocity In Sickle Cell Disease Is Associated With Polymorphisms In Genes Impacting Innate Immunity. , 2012, , .		0
157	Computer-assisted diagnostic tool to quantify the pulmonary veins in sickle cell associated pulmonary hypertension. Proceedings of SPIE, 2012, , .	0.8	0
158	Pulmonary artery pressure and iron deficiency in patients with upregulation of hypoxia sensing due to homozygous VHLR200W mutation (Chuvash polycythemia). Haematologica, 2012, 97, 193-200.	3.5	26
159	Infusion of hemolyzed red blood cells within peripheral blood stem cell grafts in patients with and without sickle cell disease. Blood, 2012, 119, 5671-5673.	1.4	5
160	Meta-analysis of 2040 sickle cell anemia patients: BCL11A and HBS1L-MYB are the major modifiers of HbF in African Americans. Blood, 2012, 120, 1961-1962.	1.4	73
161	Non-invasive indicators of pulmonary hypertension from pulmonary veins quantification in sickle cell disease. , 2012, , .		1
162	Anemia, age, desaturation, and impaired neurocognition in sickle cell anemia. Pediatric Blood and Cancer, 2012, 59, 773-774.	1.5	2

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163	A systematic comparison and evaluation of high density exon arrays and RNA-seq technology used to unravel the peripheral blood transcriptome of sickle cell disease. BMC Medical Genomics, 2012, 5, 28.	1.5	71
164	Dietâ€Induced Weight Loss in Overweight or Obese Women and Changes in Highâ€Density Lipoprotein Levels and Function. Obesity, 2012, 20, 2057-2062.	3.0	45
165	Infrared imaging of nitric oxide-mediated blood flow in human sickle cell disease. Microvascular Research, 2012, 84, 262-269.	2.5	17
166	Understanding the Erythrocyte Storage Lesion. Anesthesiology, 2012, 117, 1159-1161.	2.5	3
167	TRV: A physiological biomarker in sickle cell disease. Pediatric Blood and Cancer, 2012, 58, 831-832.	1.5	14
168	High-Density Lipoprotein Cholesterol Efflux, Nitration of Apolipoprotein A-I, and Endothelial Function in Obese Women. American Journal of Cardiology, 2012, 109, 527-532.	1.6	19
169	Priapism in Sickle-Cell Disease: A Hematologistâ€™s Perspective. Journal of Sexual Medicine, 2012, 9, 70-78.	0.6	33
170	Markers of Severe Vaso-Occlusive Painful Episode Frequency in Children and Adolescents with Sickle Cell Anemia. Journal of Pediatrics, 2012, 160, 286-290.	1.8	84
171	Framing the research agenda for sickle cell trait: Building on the current understanding of clinical events and their potential implications. American Journal of Hematology, 2012, 87, 340-346.	4.1	72
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