Gregory J. Kato

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

308 papers	11,688 citations	60 h-index	102 g-index
337 ext. papers	13,227 ext. citations	5.6 avg, IF	6.19 L-index

#	Paper	IF	Citations
308	Plasma-Derived Hemopexin as a Candidate Therapeutic Agent for Acute Vaso-Occlusion in Sickle Cell Disease: Preclinical Evidence.. *Journal of Clinical Medicine*, **2022**, 11,	5.1	3
307	Safety of liver biopsy in patients with sickle cell related liver disease - a single center experience.. *American Journal of Hematology*, **2022**,	7.1	
306	Targeted Proteomics of Pulmonary Hypertension in Sickle Cell Disease. *Blood*, **2021**, 138, 981-981	2.2	
305	Exercise-induced changes of vital signs in adults with sickle cell disease. *American Journal of Hematology*, **2021**, 96, 1630-1638	7.1	0
304	Effect of Poloxamer 188 vs Placebo on Painful Vaso-Occlusive Episodes in Children and Adults With Sickle Cell Disease: A Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2021**, 325, 1513-1523	27.4	9
303	Gene therapy as the new frontier for Sickle Cell Disease. *Current Medicinal Chemistry*, **2021**,	4.3	1
302	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	7.1	
301	Identifying adolescent and young adult patients with sickle cell disease at highest risk of death. *American Journal of Hematology*, **2021**, 96, 9-11	7.1	2
300	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	1.1	
299	Impaired Bile Secretion Promotes Hepatobiliary Injury in Sickle Cell Disease. *Hepatology*, **2020**, 72, 2165-2181	11.1	3
298	Sickle particulars of microparticles. *Blood*, **2020**, 136, 154-155	2.2	0
297	Tricuspid regurgitation velocity and other biomarkers of mortality in children, adolescents and young adults with sickle cell disease in the United States: The PUSH study. *American Journal of Hematology*, **2020**, 95, 766-774	7.1	7
296	Exercise Induced Changes of Vital Signs in Adults with Sickle Cell Disease. *Blood*, **2020**, 136, 59-60	2.2	
295	Microvascular Stasis Inhibition By Hemopexin in the Townes Mouse Model of Sickle Cell Disease. *Blood*, **2020**, 136, 9-9	2.2	
294	Prevention of Heme-Induced Human Endothelial Cell Activation By Hemopexin in Vitro. *Blood*, **2020**, 136, 8-8	2.2	
293	Nrf2 deficiency in mice attenuates erythropoietic stress-related macrophage hypercellularity. *Experimental Hematology*, **2020**, 84, 19-28.e4	3.1	4
292	Kynurenine-derived Electrophiles: Potential Adaptive Mediators in Sickle Cell Disease. *Free Radical Biology and Medicine*, **2020**, 159, S35-S36	7.8	

291	Serum albumin is independently associated with higher mortality in adult sickle cell patients: Results of three independent cohorts. *PLoS ONE*, **2020**, 15, e0237543	3.7	0
290	The CYB5R3 and G6PD A alleles modify severity of anemia in malaria and sickle cell disease. *American Journal of Hematology*, **2020**, 95, 1269-1279	7.1	7
289	Heme Induces IL-6 and Cardiac Hypertrophy Genes Transcripts in Sickle Cell Mice. *Frontiers in Immunology*, **2020**, 11, 1910	8.4	6
288	Platelet Extracellular Vesicles Drive Inflammasome-IL-1Dependent Lung Injury in Sickle Cell Disease. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 33-46	10.2	33
287	The Worst Things in Life are Free: The Role of Free Heme in Sickle Cell Disease. *Frontiers in Immunology*, **2020**, 11, 561917	8.4	15
286	Serum albumin is independently associated with higher mortality in adult sickle cell patients: Results of three independent cohorts **2020**, 15, e0237543		
285	Serum albumin is independently associated with higher mortality in adult sickle cell patients: Results of three independent cohorts **2020**, 15, e0237543		
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282	Serum albumin is independently associated with higher mortality in adult sickle cell patients: Results of three independent cohorts **2020**, 15, e0237543		
281	Serum albumin is independently associated with higher mortality in adult sickle cell patients: Results of three independent cohorts **2020**, 15, e0237543		
280	Validation of a composite vascular high-risk profile for adult patients with sickle cell disease. *American Journal of Hematology*, **2019**, 94, E312-E314	7.1	2
279	Free heme regulates placenta growth factor through NRF2-antioxidant response signaling. *Free Radical Biology and Medicine*, **2019**, 143, 300-308	7.8	7
278	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	4.7	15
277	Sickle cells and sickle trait in thrombosis. *Blood*, **2019**, 133, 2463	2.2	3
276	Health-related quality of life in sickle cell disease. *Nature Reviews Disease Primers*, **2019**, 5, 27	51.1	0
275	The Role of Platelets in Sickle Cell Disease **2019**, 563-580		1
274	Sickle cell vasculopathy: vascular phenotype on fire!. *Journal of Physiology*, **2019**, 597, 993-994	3.9	3

273	Cardiac expression of HMOX1 and PGF in sickle cell mice and haem-treated wild type mice dominates organ expression profiles via Nrf2 (Nfe2l2). *British Journal of Haematology*, **2019**, 187, 666-675	4.5	3
272	A Phase II Trial of Topical Sodium Nitrite in Patients with Sickle Cell Disease and Leg Ulcers. *Blood*, **2019**, 134, 2292-2292	2.2	1
271	Impaired Bile Secretion Promotes Chronic Liver Injury in Sickle Cell Disease. *Blood*, **2019**, 134, 3536-3536	2.2	0
270	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	2.2	
269	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	2.2	
268	Sickle Cell Disease Promotes Dysregulation of Hepatic Iron Homeostasis By Regulating Hepcidin Expression. *Blood*, **2019**, 134, 958-958	2.2	
267	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	2.2	
266	Macrophage Hypercellularity Accompanies Erythroid Hyperplasia in Sickle Cell Mice and during Recovery from Blood Loss in Wild Type Mice. *Blood*, **2019**, 134, 3528-3528	2.2	
265	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	2.2	
264	End points for sickle cell disease clinical trials: renal and cardiopulmonary, cure, and low-resource settings. *Blood Advances*, **2019**, 3, 4002-4020	7.8	11
263	Sleep phenotype in the Townes mouse model of sickle cell disease. *Sleep and Breathing*, **2019**, 23, 333-339	3.1	3
262	Sickle related events following cardiac catheterisation: risk implication for other invasive procedures. *British Journal of Haematology*, **2019**, 185, 778-780	4.5	
261	Sickle cell disease. *Nature Reviews Disease Primers*, **2018**, 4, 18010	51.1	373
260	Haem augments and iron chelation decreases toll-like receptor 4 mediated inflammation in monocytes from sickle cell patients. *British Journal of Haematology*, **2018**, 181, 552-554	4.5	6
259	Abstract Animations for the Communication and Assessment of Pain in Adults: Cross-Sectional Feasibility Study. *Journal of Medical Internet Research*, **2018**, 20, e10056	7.6	8
258	Clinical and Laboratory Predictors of 30-Day Hospital Readmission Risk in Adult Patients with Sickle Cell Disease. *Blood*, **2018**, 132, 2384-2384	2.2	
257	Assessment of Iron Overload Impact on QTc Interval in Patients with Sickle Cell Disease. *Blood*, **2018**, 132, 3673-3673	2.2	
256	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	2.2	

255	Brief topical sodium nitrite and its impact on the quality of life in patients with sickle leg ulcers. *Medicine (United States)*, **2018**, 97, e12614	1.8	3
254	Exercise training: a prescription for sickle-cell disease?. *Lancet Haematology,the*, **2018**, 5, e502-e503	14.6	1
253	Clinical Outcomes Associated With Sickle Cell Trait: A Systematic Review. *Annals of Internal Medicine*, **2018**, 169, 619-627	8	44
252	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	11.5	31
251	Thrombospondin-1 gene polymorphism is associated with estimated pulmonary artery pressure in patients with sickle cell anemia. *American Journal of Hematology*, **2017**, 92, E31-E34	7.1	5
250	Prostacyclin-analog therapy in sickle cell pulmonary hypertension. *Haematologica*, **2017**, 102, e163-e165	6.6	12
249	Intravascular hemolysis and the pathophysiology of sickle cell disease. *Journal of Clinical Investigation*, **2017**, 127, 750-760	15.9	301
248	Skeletal and myocardial microvascular blood flow in hydroxycarbamide-treated patients with sickle cell disease. *British Journal of Haematology*, **2017**, 179, 648-656	4.5	9
247	Lung vaso-occlusion in sickle cell disease mediated by arteriolar neutrophil-platelet microemboli. *JCI Insight*, **2017**, 2, e89761	9.9	74
246	The Defective Arginine-Nitric Oxide Pathway in Sickle Cell Disease **2017**, 355-371		
245	Hairy Platelet-Derived Extracellular Vesicles Promote Lung Vaso-Occlusion in Sickle Cell Disease. *Blood*, **2017**, 130, 958-958	2.2	1
244	New developments in anti-sickling agents: can drugs directly prevent the polymerization of sickle haemoglobin in vivo?. *British Journal of Haematology*, **2016**, 175, 24-30	4.5	43
243	Elevated transpulmonary gradient and cardiac magnetic resonance-derived right ventricular remodeling predict poor outcomes in sickle cell disease. *Haematologica*, **2016**, 101, e40-3	6.6	8
242	Critical Reviews: How we treat sickle cell patients with leg ulcers. *American Journal of Hematology*, **2016**, 91, 22-30	7.1	40
241	Neutrophil-Platelet Aggregation Enables Vaso-Occlusion in Sickle Cell Disease. *Blood*, **2016**, 128, 1295-1295	2.2	2
240	The Impact of Cognitive Function on Adherence to Hydroxyurea Therapy in Patients with Sickle Cell Disease. *Blood*, **2016**, 128, 2493-2493	2.2	2
239	Sickle Cell Imaging Flow Cytometry Assay (SIFCA). *Methods in Molecular Biology*, **2016**, 1389, 279-92	1.4	5
238	Inflammation and Sickle Cell Anemia **2016**, 177-211		4

237	Structural and Functional Insight of Sphingosine 1-Phosphate-Mediated Pathogenic Metabolic Reprogramming in Sickle Cell Disease. *Blood*, **2016**, 128, 2474-2474	2.2	
236	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	2.2	
235	Higher Myocardial and Skeletal Muscle Microvascular Flow in Sickle Cell Disease Patients on Hydroxyurea. *Blood*, **2016**, 128, 1020-1020	2.2	1
234	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	2.2	
233	Thrombospondin-1 Polymorphisms Are Associated with Chronic Kidney Disease in Sickle Cell Anemia. *Blood*, **2016**, 128, 2491-2491	2.2	
232	New insights into sickle cell disease: mechanisms and investigational therapies. *Current Opinion in Hematology*, **2016**, 23, 224-32	3.3	24
231	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, 9527-32	11.5	30
230	Defective nitric oxide metabolism in sickle cell disease. *Pediatric Blood and Cancer*, **2015**, 62, 373-4	3	10
229	Management of patients with sickle cell disease. *JAMA - Journal of the American Medical Association* , **2015**, 313, 91	27.4	2
228	Oscillatory haematopoiesis in adults with sickle cell disease treated with hydroxycarbamide. *British Journal of Haematology*, **2015**, 168, 737-46	4.5	4
227	Gout and sickle cell disease: not all pain is sickle cell pain. *British Journal of Haematology*, **2015**, 171, 872-5	4.5	3
226	Rapid vs. delayed infrared responses after ischemia reveal recruitment of different vascular beds. *Quantitative InfraRed Thermography Journal*, **2015**, 12, 173-183	1.1	5
225	Iron, inflammation, and early death in adults with sickle cell disease. *Circulation Research*, **2015**, 116, 298-306	13.7	48
224	Iron restriction in sickle cell anemia: Time for controlled clinical studies. *American Journal of Hematology*, **2015**, 90, E217	7.1	5
223	Liver injury is associated with mortality in sickle cell disease. *Alimentary Pharmacology and Therapeutics*, **2015**, 42, 912-21	6.1	33
222	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, 1422-7	11.5	70
221	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	2.2	
220	Thrombospondin-1 Gene Polymorphism Is Associated with Estimated Pulmonary Artery Pressure in Patients with Sickle Cell Anemia. *Blood*, **2015**, 126, 970-970	2.2	

219	Platelet Nucleation on Arrested Neutrophils Drives Vaso-Occlusion in Sickle Cell Disease. *Blood*, **2015**, 126, 414-414	2.2	
218	Heme Augments Toll-like Receptor 4 Signalling in Sickle Cell and Healthy Control Monocytes. *Blood*, **2015**, 126, 2167-2167	2.2	
217	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	2.2	
216	Imaging flow cytometry for automated detection of hypoxia-induced erythrocyte shape change in sickle cell disease. *American Journal of Hematology*, **2014**, 89, 598-603	7.1	46
215	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	14.6	32
214	Microvascular oxygen consumption during sickle cell pain crisis. *Blood*, **2014**, 123, 3101-4	2.2	10
213	Extensive ex vivo expansion of functional human erythroid precursors established from umbilical cord blood cells by defined factors. *Molecular Therapy*, **2014**, 22, 451-463	11.7	37
212	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, 727-40	10.2	154
211	Prominent role of platelets in the formation of circulating neutrophil-red cell heterocellular aggregates in sickle cell anemia. *Haematologica*, **2014**, 99, e214-7	6.6	26
210	Imaging flow cytometry documents incomplete resistance of human sickle F-cells to ex vivo hypoxia-induced sickling. *Blood*, **2014**, 124, 658-60	2.2	6
209	Heme-bound iron activates placenta growth factor in erythroid cells via erythroid Krüppel-like factor. *Blood*, **2014**, 124, 946-54	2.2	37
208	No NO means yes to sickle red cell adhesion. *Blood*, **2014**, 123, 1780-2	2.2	8
207	Elevated pulse pressure is associated with hemolysis, proteinuria and chronic kidney disease in sickle cell disease. *PLoS ONE*, **2014**, 9, e114309	3.7	22
206	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, 238-40	10.2	1
205	Sleep disturbance, depression and pain in adults with sickle cell disease. *BMC Psychiatry*, **2014**, 14, 207	4.2	55
204	A GCH1 haplotype confers sex-specific susceptibility to pain crises and altered endothelial function in adults with sickle cell anemia. *American Journal of Hematology*, **2014**, 89, 187-93	7.1	31
203	Abnormal pulmonary function and associated risk factors in children and adolescents with sickle cell anemia. *Journal of Pediatric Hematology/Oncology*, **2014**, 36, 185-9	1.2	35
202	A retrospective review of acupuncture use for the treatment of pain in sickle cell disease patients: descriptive analysis from a single institution. *Clinical Journal of Pain*, **2014**, 30, 825-30	3.5	23

201	Computed tomography correlates with cardiopulmonary hemodynamics in pulmonary hypertension in adults with sickle cell disease. *Pulmonary Circulation*, **2014**, 4, 319-29	2.7	7
200	Therapeutic strategies to alter the oxygen affinity of sickle hemoglobin. *Hematology/Oncology Clinics of North America*, **2014**, 28, 217-31	3.1	45
199	Vasculopathy, inflammation, and blood flow in leg ulcers of patients with sickle cell anemia. *American Journal of Hematology*, **2014**, 89, 1-6	7.1	49
198	Elevated sphingosine-1-phosphate promotes sickling and sickle cell disease progression. *Journal of Clinical Investigation*, **2014**, 124, 2750-61	15.9	93
197	Quantification of Anti-Sickling Effect of Aes-103 in Sickle Cell Disease Using an in Vitro Microfluidic Assay. *Blood*, **2014**, 124, 2699-2699	2.2	2
196	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	2.2	1
195	Risk factors for death in 632 patients with sickle cell disease in the United States and United Kingdom. *PLoS ONE*, **2014**, 9, e99489	3.7	82
194	End-Alveolar Carbon Monoxide As a Measure of Erythrocyte Survival and Hemolytic Severity in Sickle Cell Disease. *Blood*, **2014**, 124, 2696-2696	2.2	
193	Iron, Expression of the Pattern Recognition Receptor-Inflammasome System, and Early Death in Adults with Sickle Cell Disease. *Blood*, **2014**, 124, 2702-2702	2.2	1
192	Cardiopulmonary Functional Status in Children with SCD at Baseline: Pulse Pressure As a Biomarker of Early Compromise. *Blood*, **2014**, 124, 2663-2663	2.2	
191	Elevated Pulse Pressure Is Associated with Hemolysis, Proteinuria and Chronic Kidney Disease in Sickle Cell Disease. *Blood*, **2014**, 124, 2711-2711	2.2	
190	A fluorescence method to detect and quantitate sterol esterification by lecithin:cholesterol acyltransferase. *Analytical Biochemistry*, **2013**, 441, 80-6	3.1	13
189	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,	6.9	78
188	Leg ulcers in sickle cell disease: current patterns and practices. *Hemoglobin*, **2013**, 37, 325-32	0.6	44
187	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, 1499-504	3	9
186	Circulating blood endothelial nitric oxide synthase contributes to the regulation of systemic blood pressure and nitrite homeostasis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 1861-71	9.4	85
185	Genetic determinants of haemolysis in sickle cell anaemia. *British Journal of Haematology*, **2013**, 161, 270-8	4.5	35
184	Imaging flow cytometry for morphologic and phenotypic characterization of rare circulating endothelial cells. *Cytometry Part B - Clinical Cytometry*, **2013**, 84, 379-89	3.4	26

183	Mechanisms of hemolysis-associated platelet activation. *Journal of Thrombosis and Haemostasis*, **2013**, 11, 2148-54	15.4	111
182	Thrombospondin-1 inhibits ADAMTS13 activity in sickle cell disease. *Haematologica*, **2013**, 98, e132-4	6.6	21
181	Hemodynamic predictors of mortality in adults with sickle cell disease. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 187, 840-7	10.2	98
180	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, 464-72	6.6	135
179	Reduced sensitivity of the ferroportin Q248H mutant to physiological concentrations of hepcidin. *Haematologica*, **2013**, 98, 455-63	6.6	18
178	Circulating endothelial progenitor cells in adults with sickle cell disease. *Pulmonary Circulation*, **2013**, 3, 448-9	2.7	2
177	Clinical correlates of acute pulmonary events in children and adolescents with sickle cell disease. *European Journal of Haematology*, **2013**, 91, 62-8	3.8	27
176	Liver stiffness increases acutely during sickle cell vaso-occlusive crisis. *American Journal of Hematology*, **2013**, 88, E250-4	7.1	11
175	Lactate dehydrogenase and hemolysis in sickle cell disease. *Blood*, **2013**, 122, 1091-2	2.2	13
174	Expression of regulatory platelet microRNAs in patients with sickle cell disease. *PLoS ONE*, **2013**, 8, e60932	3.7	19
173	Phase 1 Clinical Trial Of The Candidate Anti-Sickling Agent Aes-103 In Adults With Sickle Cell Anemia. *Blood*, **2013**, 122, 1009-1009	2.2	15
172	The Anti-Sickling Agent Aes-103 Decreases Sickle Erythrocyte Fragility, Hypoxia-Induced Sickling and Hemolysis In Vitro. *Blood*, **2013**, 122, 940-940	2.2	2
171	Severe painful vaso-occlusive crises and mortality in a contemporary adult sickle cell anemia cohort study. *PLoS ONE*, **2013**, 8, e79923	3.7	76
170	Topical Sodium Nitrite Is Effective In Reducing Leg Ulcer-Associated Pain In Patients With Sickle Cell Disease. *Blood*, **2013**, 122, 2236-2236	2.2	
169	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	2.2	0
168	Placenta Growth Factor Is Regulated By Heme-Bound Iron Via Erythroid Krüppel-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	2.2	
167	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	2.2	
166	Priapism in sickle-cell disease: a hematologist© perspective. *Journal of Sexual Medicine*, **2012**, 9, 70-8	1.1	30

165	Markers of severe vaso-occlusive painful episode frequency in children and adolescents with sickle cell anemia. *Journal of Pediatrics*, **2012**, 160, 286-90	3.6	73
164	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, 340-6	7.1	56
163	Plasma thrombospondin-1 is increased during acute sickle cell vaso-occlusive events and associated with acute chest syndrome, hydroxyurea therapy, and lower hemolytic rates. *American Journal of Hematology*, **2012**, 87, 326-30	7.1	60
162	Infusion of hemolyzed red blood cells within peripheral blood stem cell grafts in patients with and without sickle cell disease. *Blood*, **2012**, 119, 5671-3	2.2	5
161	Meta-analysis of 2040 sickle cell anemia patients: BCL11A and HBS1L-MYB are the major modifiers of HbF in African Americans. *Blood*, **2012**, 120, 1961-2	2.2	64
160	**2012**,		1
159	Anemia, age, desaturation, and impaired neurocognition in sickle cell anemia. *Pediatric Blood and Cancer*, **2012**, 59, 773-4	3	0
158	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	3.7	65
157	Diet-induced weight loss in overweight or obese women and changes in high-density lipoprotein levels and function. *Obesity*, **2012**, 20, 2057-62	8	40
156	Infrared imaging of nitric oxide-mediated blood flow in human sickle cell disease. *Microvascular Research*, **2012**, 84, 262-9	3.7	16
155	High-density lipoprotein cholesterol efflux, nitration of apolipoprotein A-I, and endothelial function in obese women. *American Journal of Cardiology*, **2012**, 109, 527-32	3	18
154	A novel molecular signature for elevated tricuspid regurgitation velocity in sickle cell disease. *American Journal of Respiratory and Critical Care Medicine*, **2012**, 186, 359-68	10.2	33
153	Pulmonary complications of sickle cell disease. *American Journal of Respiratory and Critical Care Medicine*, **2012**, 185, 1154-65	10.2	106
152	Reconstruction of Thermographic Signals to Map Perforator Vessels in Humans. *Quantitative InfraRed Thermography Journal*, **2012**, 9, 123-133	1.1	13
151	Characterizing non-linear dependencies among pairs of clinical variables and imaging data. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 2700-3	0.9	2
150	Mortality in adults with sickle cell disease and pulmonary hypertension. *JAMA - Journal of the American Medical Association*, **2012**, 307, 1254-6	27.4	152
149	Atorvastatin reduces serum cholesterol and triglycerides with limited improvement in vascular function in adults with sickle cell anemia. *Haematologica*, **2012**, 97, 1768-70	6.6	17
148	Pulmonary artery pressure and iron deficiency in patients with upregulation of hypoxia sensing due to homozygous VHL(R200W) mutation (Chuvash polycythemia). *Haematologica*, **2012**, 97, 193-200	6.6	19

147	Imaging Flow Cytometry for Fully Automated Quantification of Percentage of Sickled Cells in Sickle Cell Anemia.. *Blood*, **2012**, 120, 2105-2105	2.2	1
146	A Phase 1, First-in-Man, Dose-Response Study of Aes-103 (5-HMF), an Anti-Sickling, Allosteric Modifier of Hemoglobin Oxygen Affinity in Healthy Norman Volunteers. *Blood*, **2012**, 120, 3210-3210	2.2	11
145	Effect of Aes-103 Anti-Sickling Agent On Oxygen Affinity and Stability of Red Blood Cells From Patients with Sickle Cell Anemia. *Blood*, **2012**, 120, 85-85	2.2	1
144	Comment on "The influence of hydroxyurea on oxidative stress in sickle cell anemia". *Revista Brasileira De Hematologia E Hemoterapia*, **2012**, 34, 405-6		2
143	Increased Transpulmonary Gradient Predicts Functional Class, Mortality, and RV Dysfunction by MRI in Patients with Sickle Cell Associated Pulmonary Hypertension. *Blood*, **2012**, 120, 89-89	2.2	
142	Turnover of Heme-Bound Iron Is Associated with Activation of TLR4 and Chemokine Receptor Pathways in the Peripheral Blood Mononuclear Cell Transcriptome in Sickle Cell Anemia. *Blood*, **2012**, 120, 819-819	2.2	
141	Laser Speckle Contrast Imaging Characterizes Delayed Reperfusion After Transient Brachial Artery Occlusion in Patients with Sickle Cell Diseas. *Blood*, **2012**, 120, 1080-1080	2.2	
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