# John C Wood

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 268 papers | 10,021 citations | 36303 51 h-index | 42399 92 g-index |
| 272 all docs | 272 docs citations | 272 times ranked | 7257 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Third Trimester Fetal Heart Rates in Antibody-Mediated Complete Heart Block Predict Need for Neonatal Pacemaker Placement. Pediatric Cardiology, 2022, 43, 324-331. | 1.3 | 0 |
| 2 | Evaluation of Hepatic Iron Overload Using a Contemporary 0.<scp>55â€‰T MRI</scp> System. Journal of Magnetic Resonance Imaging, 2022, 55, 1855-1863. | 3.4 | 4 |
| 3 | Dynamic MR imaging of cerebral perfusion during bicycling exercise. NeuroImage, 2022, 250, 118961. | 4.2 | 2 |
| 4 | Pulmonary hypertension in thalassemia: a call to action. Blood, 2022, 139, 1937-1938. | 1.4 | 6 |
| 5 | Myocardial Iron Overload Causes Subclinical Myocardial Dysfunction in Sickle Cell Disease. JACC: Cardiovascular Imaging, 2022, , . | 5.3 | 1 |
| 6 | Assessment of functional shunting in patients with sickle cell disease. Haematologica, 2022, 107, 2708-2719. | 3.5 | 3 |
| 7 | EARLY PREDICTION OF FAILURE TO PROGRESS IN SINGLE VENTRICLE PALLIATION: A STEP TOWARD PERSONALIZING CARE FOR SEVERE CONGENITAL HEART DISEASE. Journal of Heart and Lung Transplantation, 2022, , . | 0.6 | 2 |
| 8 | Progression in Fontan conduit stenosis and hemodynamic impact during childhood and adolescence. Journal of Thoracic and Cardiovascular Surgery, 2021, 162, 372-380.e2. | 0.8 | 14 |
| 9 | Quantitative perfusion mapping with induced transient hypoxia using BOLD MRI. Magnetic Resonance in Medicine, 2021, 85, 168-181. | 3.0 | 23 |
| 10 | Kidney iron deposition by R2* is associated with haemolysis and urinary iron. British Journal of Haematology, 2021, 193, 633-636. | 2.5 | 3 |
| 11 | Loss of alphaâ€globin genes in human subjects is associated with improved nitric oxideâ€mediated vascular perfusion. American Journal of Hematology, 2021, 96, 277-281. | 4.1 | 12 |
| 12 | Tricuspid regurgitant jet velocity and myocardial tissue Doppler parameters predict mortality in a cohort of patients with sickle cell disease spanning from pediatric to adult age groups â€•revisiting this controversial concept after 16â€‰years of additional evidence. American Journal of Hematology, 2021, 96, 31-39. | 4.1 | 10 |
| 13 | Tractâ€specific analysis and neurocognitive functioning in sickle cell patients without history of overt stroke. Brain and Behavior, 2021, 11, e01978. | 2.2 | 7 |
| 14 | Calibration of T<sub>2</sub> oximetry MRI for subjects with sickle cell disease. Magnetic Resonance in Medicine, 2021, 86, 1019-1028. | 3.0 | 17 |
| 15 | Impairment of Cerebrovascular Hemodynamics in Patients With Severe and Milder Forms of Sickle Cell Disease. Frontiers in Physiology, 2021, 12, 645205. | 2.8 | 16 |
| 16 | Algorithms for segmenting cerebral time-of-flight magnetic resonance angiograms from volunteers and anemic patients. Journal of Medical Imaging, 2021, 8, 024005. | 1.5 | 0 |
| 17 | Cerebral oxygen saturation and cerebrovascular instability in newborn infants with congenital heart disease compared to healthy controls. PLoS ONE, 2021, 16, e0251255. | 2.5 | 8 |
| 18 | Reduced global cerebral oxygen metabolic rate in sickle cell disease and chronic anemias. American Journal of Hematology, 2021, 96, 901-913. | 4.1 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Improving CPMG liver iron estimates with a â€corrected proton density estimator. Magnetic Resonance in Medicine, 2021, 86, 3348-3359. | 3.0 | 3 |
| 20 | Effects of B 1 + Heterogeneity on Spin Echoâ€Based Liver Iron Estimates. Journal of Magnetic Resonance Imaging, 2021, , . | 3.4 | 2 |
| 21 | Acute respiratory infections in hospitalised infants with congenital heart disease. Cardiology in the Young, 2021, 31, 547-555. | 0.8 | 5 |
| 22 | Perfusion MRI using endogenous deoxyhemoglobin as a contrast agent: Preliminary data. Magnetic Resonance in Medicine, 2021, 86, 3012-3021. | 3.0 | 17 |
| 23 | Assessment of echocardiographic parameters in children with permanent ventricular pacing. Progress in Pediatric Cardiology, 2021, 63, 101457. | 0.4 | 0 |
| 24 | Mental stress causes vasoconstriction in subjects with sickle cell disease and in normal controls. Haematologica, 2020, 105, 83-90. | 3.5 | 40 |
| 25 | Lower white matter volume in betaâ€thalassemia associated with anemia and cognitive performance. American Journal of Hematology, 2020, 95, E144-E146. | 4.1 | 1 |
| 26 | Action of iron chelator on intramyocardial hemorrhage and cardiac remodeling following acute myocardial infarction. Basic Research in Cardiology, 2020, 115, 24. | 5.9 | 29 |
| 27 | MRI Restoration Using Edge-Guided Adversarial Learning. IEEE Access, 2020, 8, 83858-83870. | 4.2 | 15 |
| 28 | Progressive vasoconstriction with sequential thermal stimulation indicates vascular dysautonomia in sickle cell disease. Blood, 2020, 136, 1191-1200. | 1.4 | 14 |
| 29 | Transient Hypoxia Model Revealed Cerebrovascular Impairment in Anemia Using <scp>BOLD MRI</scp> and <scp>Nearâ€infrared</scp> Spectroscopy. Journal of Magnetic Resonance Imaging, 2020, 52, 1400-1412. | 3.4 | 6 |
| 30 | Group delay method for MRI aortic pulse wave velocity measurements in clinical protocols with low temporal resolution: Validation in a heterogeneous cohort. Magnetic Resonance Imaging, 2020, 69, 8-15. | 1.8 | 1 |
| 31 | Fixing the MRI R2â€iron calibration in liver. American Journal of Hematology, 2020, 95, E120-E122. | 4.1 | 3 |
| 32 | Cerebral oxygen metabolism in adults with sickle cell disease. American Journal of Hematology, 2020, 95, 401-412. | 4.1 | 31 |
| 33 | Loss of Alpha Globin Genes in Human Subjects Is Associated with Improved Nitric Oxide-Mediated Vascular Perfusion. Blood, 2020, 136, 6-7. | 1.4 | 1 |
| 34 | Erythrocyte and plasma oxidative stress appears to be compensated in patients with sickle cell disease during a period of relative health, despite the presence of known oxidative agents. Free Radical Biology and Medicine, 2019, 141, 408-415. | 2.9 | 14 |
| 35 | Sickle cell trait: A sigh of relief?. EClinicalMedicine, 2019, 11, 7-8. | 7.1 | 2 |
| 36 | Anemia predicts lower white matter volume and cognitive performance in sickle and nonâ€sickle cell anemia syndrome. American Journal of Hematology, 2019, 94, 1055-1065. | 4.1 | 28 |

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|---|---|---|---|
| 37 | A 4D flow MRI evaluation of the impact of shear-dependent fluid viscosity on in vitro Fontan circulation flow. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1243-H1253. | 3.2 | 15 |
| 38 | White matter has impaired resting oxygen delivery in sickle cell patients. American Journal of Hematology, 2019, 94, 467-474. | 4.1 | 31 |
| 39 | In vivo validation of T2â€•and susceptibilityâ€based S v O 2 measurements with jugular vein catheterization under hypoxia and hypercapnia. Magnetic Resonance in Medicine, 2019, 82, 2188-2198. | 3.0 | 12 |
| 40 | Brain O2 reserve in sickle cell disease. Blood, 2019, 133, 2356-2358. | 1.4 | 12 |
| 41 | Sickle Cell Disease Subjects Have a Distinct Abnormal Autonomic Phenotype Characterized by Peripheral Vasoconstriction With Blunted Cardiac Response to Head-Up Tilt. Frontiers in Physiology, 2019, 10, 381. | 2.8 | 18 |
| 42 | Sickle cell microvascular paradoxâ€"oxygen supplyâ€demand mismatch. American Journal of Hematology, 2019, 94, 678-688. | 4.1 | 14 |
| 43 | Patients with sickle-cell disease exhibit greater functional connectivity and centrality in the locus coeruleus compared to anemic controls. NeuroImage: Clinical, 2019, 21, 101686. | 2.7 | 6 |
| 44 | End points for sickle cell disease clinical trials: patient-reported outcomes, pain, and the brain. Blood Advances, 2019, 3, 3982-4001. | 5.2 | 51 |
| 45 | Postoperative Serum Troponin Trends in Infants Undergoing Cardiac Surgery. Seminars in Thoracic and Cardiovascular Surgery, 2019, 31, 244-251. | 0.6 | 14 |
| 46 | Hemodynamic provocation with acetazolamide shows impaired cerebrovascular reserve in adults with sickle cell disease. Haematologica, 2019, 104, 690-699. | 3.5 | 40 |
| 47 | Differences in Right Ventricular Physiologic Response to Chronic Volume Load in Patients with Repaired Pulmonary Atresia Intact Ventricular Septum/Critical Pulmonary Stenosis Versus Tetralogy of Fallot. Pediatric Cardiology, 2019, 40, 526-536. | 1.3 | 11 |
| 48 | Exploring Anemia's Impact on Brain Microstructure, Volume, Functional Connectivity, Iron and Cognitive Performance. Blood, 2019, 134, 3553-3553. | 1.4 | 2 |
| 49 | Unwinding the path from anemia to stroke. Blood, 2018, 131, 950-952. | 1.4 | 2 |
| 50 | Positive Iron Balance in Chronic Kidney Disease: How Much is Too Much and How to Tell?. American Journal of Nephrology, 2018, 47, 72-83. | 3.1 | 65 |
| 51 | Intracranial 4D flow magnetic resonance imaging reveals altered haemodynamics in sickle cell disease. British Journal of Haematology, 2018, 180, 432-442. | 2.5 | 14 |
| 52 | Lack of correlation between heart, liver and pancreas <scp>MRI</scp>â€<scp>R</scp>2*: Results from longâ€term followâ€up in a cohort of adult Î²â€thalassemia major patients. American Journal of Hematology, 2018, 93, E79-E82. | 4.1 | 14 |
| 53 | Experimental investigation of the effect of non-Newtonian behavior of blood flow in the Fontan circulation. European Journal of Mechanics, B/Fluids, 2018, 68, 184-192. | 2.5 | 18 |
| 54 | Prediction of cardiac complications for thalassemia major in the widespread cardiac magnetic resonance era: a prospective multicentre study by a multi-parametric approach. European Heart Journal Cardiovascular Imaging, 2018, 19, 299-309. | 1.2 | 74 |

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|---|---|---|---|
| 55 | Ultraâ€short echo time images quantify high liver iron. Magnetic Resonance in Medicine, 2018, 79, 1579-1585. | 3.0 | 38 |
| 56 | Serum ferritin in the diagnosis of cardiac and liver iron overload in thalassaemia patients realâ€world practice: a multicentre study. British Journal of Haematology, 2018, 182, 301-305. | 2.5 | 19 |
| 57 | Pseudo continuous arterial spin labeling quantification in anemic subjects with hyperemic cerebral blood flow. Magnetic Resonance Imaging, 2018, 47, 137-146. | 1.8 | 29 |
| 58 | Diminished cerebral oxygen extraction and metabolic rate in sickle cell disease using T2 relaxation under spin tagging MRI. Magnetic Resonance in Medicine, 2018, 80, 294-303. | 3.0 | 49 |
| 59 | A novel cross-correlation methodology for assessing biophysical responses associated with pain. Journal of Pain Research, 2018, Volume 11, 2207-2219. | 2.0 | 7 |
| 60 | Increased brain iron deposition in patients with sickle cell disease: an MRI quantitative susceptibility mapping study. Blood, 2018, 132, 1618-1621. | 1.4 | 19 |
| 61 | Cerebral blood flow and predictors of white matter lesions in adults with Tetralogy of Fallot. , 2018, 2018, 1309-1312. | | 3 |
| 62 | Orchestral fully convolutional networks for small lesion segmentation in brain MRI. , 2018, 2018, 889-892. | | 11 |
| 63 | Sickle Cell Subjects Have a Stronger and Faster Neurally Mediated Vasoconstriction Response to Cold Pain That Correlates with Anxiety Scores. Blood, 2018, 132, 854-854. | 1.4 | 2 |
| 64 | Middle Cerebral Artery Velocities Are Inversely Related to Hemoglobin Levels and Acutely Drop in Response to RBC Transfusion: Implications for Stroke Screening in SCD. Blood, 2018, 132, 2374-2374. | 1.4 | 0 |
| 65 | Hemolysis and Tricuspid Regurgitation Jet Velocity Predict Mortality in Patients with Sickle Cell Disease. Blood, 2018, 132, 1086-1086. | 1.4 | 0 |
| 66 | Hemoglobin and mean platelet volume predicts diffuse T1-MRI white matter volume decrease in sickle cell disease patients. NeuroImage: Clinical, 2017, 15, 239-246. | 2.7 | 29 |
| 67 | The role of carbon monoxide and heme oxygenase in the prevention of sickle cell disease vasoâ€occlusive crises. American Journal of Hematology, 2017, 92, 569-582. | 4.1 | 33 |
| 68 | How we manage iron overload in sickle cell patients. British Journal of Haematology, 2017, 177, 703-716. | 2.5 | 71 |
| 69 | Multivariate surface-based analysis of corpus callosum in patients with sickle cell disease. , 2017, 10160, . | | 0 |
| 70 | The use of MRI to monitor iron overload in SCD. Blood Cells, Molecules, and Diseases, 2017, 67, 120-125. | 1.4 | 4 |
| 71 | Measuring Stroke Volume: Impedance Cardiography vs Phase-Contrast Magnetic Resonance Imaging. American Journal of Critical Care, 2017, 26, 408-415. | 1.6 | 15 |
| 72 | Individuals with sickle cell disease have a significantly greater vasoconstriction response to thermal pain than controls and have significant vasoconstriction in response to anticipation of pain. American Journal of Hematology, 2017, 92, 1137-1145. | 4.1 | 30 |

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|---|---|---|---|
| 73 | Kidney function of transfused children with sickle cell anemia: Baseline data from the TWiTCH study with comparison to nonâ€transfused cohorts. American Journal of Hematology, 2017, 92, E637-E639. | 4.1 | 7 |
| 74 | Graph Lasso-Based Test for Evaluating Functional Brain Connectivity in Sickle Cell Disease. Brain Connectivity, 2017, 7, 443-453. | 1.7 | 10 |
| 75 | Prevalence and predictors of cardiac and liver iron overload in patients with thalassemia: A multicenter study based on real-world data. Blood Cells, Molecules, and Diseases, 2017, 66, 24-30. | 1.4 | 16 |
| 76 | Empirical model of human blood transverse relaxation at 3â€‰T improves MRI T<sub>2</sub>oximetry. Magnetic Resonance in Medicine, 2017, 77, 2364-2371. | 3.0 | 34 |
| 77 | Biophysical markers of the peripheral vasoconstriction response to pain in sickle cell disease. PLoS ONE, 2017, 12, e0178353. | 2.5 | 29 |
| 78 | Contrasting resting-state fMRI abnormalities from sickle and non-sickle anemia. PLoS ONE, 2017, 12, e0184860. | 2.5 | 22 |
| 79 | Reduced Cerebrovascular Reserve Capacity in Adults with Sickle Cell Disease. Blood, 2017, 130, 972-972. | 1.4 | 1 |
| 80 | An experimental investigation of labeling efficiency for pseudo-continuous arterial spin labeling. , 2016, , . | | 1 |
| 81 | BOLD delay times using group delay in sickle cell disease. Proceedings of SPIE, 2016, 9784, . | 0.8 | 3 |
| 82 | Determinants of resting cerebral blood flow in sickle cell disease. American Journal of Hematology, 2016, 91, 912-917. | 4.1 | 76 |
| 83 | Management of iron overload in hemoglobinopathies: what is the appropriate target iron level?. Annals of the New York Academy of Sciences, 2016, 1368, 95-106. | 3.8 | 30 |
| 84 | Persistent Microvascular Obstruction After Myocardial Infarction Culminates in the Confluence of Ferric Iron Oxide Crystals, Proinflammatory Burden, and Adverse Remodeling. Circulation: Cardiovascular Imaging, 2016, 9, . | 2.6 | 44 |
| 85 | Predictors of cerebral blood flow in patients with and without anemia. Journal of Applied Physiology, 2016, 120, 976-981. | 2.5 | 42 |
| 86 | The heart in sickle cell disease, a model for heart failure with preserved ejection fraction. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9670-9672. | 7.1 | 17 |
| 87 | Functional connectivity analysis for thalassemia disease based on a graphical lasso model. , 2016, 2016, 1295-1298. | | 4 |
| 88 | In Vivo T1 of Blood Measurements in Children with Sickle Cell Disease Improve Cerebral Blood Flow Quantification from Arterial Spin-Labeling MRI. American Journal of Neuroradiology, 2016, 37, 1727-1732. | 2.4 | 37 |
| 89 | Comparison between different software programs and post-processing techniques for the MRI quantification of liver iron concentration in thalassemia patients. Radiologia Medica, 2016, 121, 751-762. | 7.7 | 11 |
| 90 | Hydroxycarbamide versus chronic transfusion for maintenance of transcranial doppler flow velocities in children with sickle cell anaemiaâ€"TCD With Transfusions Changing to Hydroxyurea (TWiTCH): a multicentre, open-label, phase 3, non-inferiority trial. Lancet, The, 2016, 387, 661-670. | 13.7 | 375 |

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|---|---|---|---|
| 91 | Organ iron accumulation in chronically transfused children with sickle cell anaemia: baseline results from the <scp>TW</scp>i<scp>TCH</scp> trial. British Journal of Haematology, 2016, 172, 122-130. | 2.5 | 47 |
| 92 | Elevated Low-Shear Blood Viscosity is Associated with Decreased Pulmonary Blood Flow in Children with Univentricular Heart Defects. Pediatric Cardiology, 2016, 37, 789-801. | 1.3 | 18 |
| 93 | Post-mortem study of the association between cardiac iron and fibrosis in transfusion dependent anaemia. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 36. | 3.3 | 14 |
| 94 | Iron Unloading By Therapeutic Phlebotomy in Previously Transfused Children with Sickle Cell Anemia: The Twitch Experience. Blood, 2016, 128, 1018-1018. | 1.4 | 3 |
| 95 | Agreement Between R2 and R2* Liver Iron Estimates Is Independent of the Type of Iron Removal Therapy: Results from the Twitch Trial. Blood, 2016, 128, 1274-1274. | 1.4 | 3 |
| 96 | Changes in Extrahepatic Iron Load in Response to Iron Chelation Versus Phlebotomy: Observations from the Twitch Trial. Blood, 2016, 128, 202-202. | 1.4 | 3 |
| 97 | Changes in Brain Oxygenation in Response to Inhaled 100% Oxygen Are Different in Sickle Cell Disease Patients. Blood, 2016, 128, 3667-3667. | 1.4 | 0 |
| 98 | Shear-Mediated Erythrocyte Nitric Oxide Production Is Differentially Regulated in Patients with Sickle Cell Disease. Blood, 2016, 128, 1301-1301. | 1.4 | 0 |
| 99 | Chronic Transfusion Therapy in Sickle Cell Disease - Effect on Macrovascular Function, Microvascular Function, and Tissue Oxygenation Decreases the Potential for Ischemia. Blood, 2016, 128, 3671-3671. | 1.4 | 0 |
| 100 | Longitudinal Serum Ferritin Cut-Off Level for Cardiac Iron Overload Prediction in Transfusion-Dependent Thalassemia in a Resource Limited Country. Blood, 2016, 128, 1282-1282. | 1.4 | 4 |
| 101 | Autonomic and Vascular Dysregulation Enhance Pain-Induced Peripheral Vasoconstriction in Sickle Cell Disease. Blood, 2016, 128, 126-126. | 1.4 | 0 |
| 102 | Regional Perfusion in Sickle Cell Subjects and Normal Controls Is a Physiological Biomarker of Mental Stress and Fear of Pain. Blood, 2016, 128, 2492-2492. | 1.4 | 0 |
| 103 | Hemoglobin S Exhibits Distinct MRI Oximetry Calibration in Vitro. Blood, 2016, 128, 4842-4842. | 1.4 | 0 |
| 104 | Autonomic responses to cold face stimulation in sickle cell disease: a time-varying model analysis. Physiological Reports, 2015, 3, e12463. | 1.7 | 14 |
| 105 | Liver iron concentration measurements by MRI in chronically transfused children with sickle cell anemia: baseline results from the TWiTCH trial. American Journal of Hematology, 2015, 90, 806-810. | 4.1 | 21 |
| 106 | The role of magnetic resonance imagingâ€<scp>T</scp>2* in the evaluation of iron overload early in hereditary hemochromatosis. A crossâ€sectional study with 159 patients. American Journal of Hematology, 2015, 90, E220-1. | 4.1 | 9 |
| 107 | Chronic transfusion therapy improves but does not normalize systemic and pulmonary vasculopathy in sickle cell disease. Blood, 2015, 126, 703-710. | 1.4 | 62 |
| 108 | Tract specific analysis in patients with sickle cell disease. Proceedings of SPIE, 2015, 9681, . | 0.8 | 4 |

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|---|---|---|---|
| 109 | Differential regenerative capacity of neonatal mouse hearts after cryoinjury. Developmental Biology, 2015, 399, 91-99. | 2.0 | 88 |
| 110 | Relaxivityâ€iron calibration in hepatic iron overload: Predictions of a Monte Carlo model. Magnetic Resonance in Medicine, 2015, 74, 879-883. | 3.0 | 23 |
| 111 | Pulmonary hypertension in well-transfused thalassemia major patients. Blood Cells, Molecules, and Diseases, 2015, 54, 189-194. | 1.4 | 29 |
| 112 | Liver MRI is more precise than liver biopsy for assessing total body iron balance: a comparison of MRI relaxometry with simulated liver biopsy results. Magnetic Resonance Imaging, 2015, 33, 761-767. | 1.8 | 54 |
| 113 | A Significant Proportion of Thalassemia Major Patients Have Adrenal Insufficiency Detectable on Provocative Testing. Journal of Pediatric Hematology/Oncology, 2015, 37, 54-59. | 0.6 | 27 |
| 114 | Estimating tissue iron burden: current status and future prospects. British Journal of Haematology, 2015, 170, 15-28. | 2.5 | 99 |
| 115 | Effect of Inversion Recovery Fat Suppression on Hepatic R2* Quantitation in Transfusional Siderosis. American Journal of Roentgenology, 2015, 204, 625-629. | 2.2 | 18 |
| 116 | Dysregulated arginine metabolism and cardiopulmonary dysfunction in patients with thalassaemia. British Journal of Haematology, 2015, 169, 887-898. | 2.5 | 22 |
| 117 | Cerebral Tissue Transit Time in Patients with Sickle Cell Anemia. Blood, 2015, 126, 280-280. | 1.4 | 1 |
| 118 | TCD with Transfusions Changing to Hydroxyurea (TWiTCH): Hydroxyurea Therapy As an Alternative to Transfusions for Primary Stroke Prevention in Children with Sickle Cell Anemia. Blood, 2015, 126, 3-3. | 1.4 | 19 |
| 119 | Thermal Pain and Pain Anticipation Induce a Decrease in Microvascular Perfusion in Sickle Cell and Normal Subjects. Blood, 2015, 126, 67-67. | 1.4 | 2 |
| 120 | Analysis of Hemodynamic Changes and Bold Signals of Sickle Cell Disease Patients during Desaturation. Blood, 2015, 126, 3384-3384. | 1.4 | 0 |
| 121 | Mechanisms of plasma nonâ€transferrin bound iron generation: insights from comparing transfused diamond blackfan anaemia with sickle cell and thalassaemia patients. British Journal of Haematology, 2014, 167, 692-696. | 2.5 | 54 |
| 122 | Guidelines for quantifying iron overload. Hematology American Society of Hematology Education Program, 2014, 2014, 210-215. | 2.5 | 95 |
| 123 | R2 and R2* are equally effective in evaluating chronic response to iron chelation. American Journal of Hematology, 2014, 89, 505-508. | 4.1 | 32 |
| 124 | Cardiac R2* values are independent of the image analysis approach employed. Magnetic Resonance in Medicine, 2014, 72, 485-491. | 3.0 | 8 |
| 125 | Cardiac iron overload in sickleâ€cell disease. American Journal of Hematology, 2014, 89, 678-683. | 4.1 | 67 |
| 126 | Characterization of Transfusion-Derived Iron Deposition in Childhood Cancer Survivors. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 1913-1919. | 2.5 | 27 |

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|---|---|---|---|
| 127 | Ferritin trends do not predict changes in total body iron in patients with transfusional iron overload. American Journal of Hematology, 2014, 89, 391-394. | 4.1 | 73 |
| 128 | Robust estimation of pulse wave transit time using group delay. Journal of Magnetic Resonance Imaging, 2014, 39, 550-558. | 3.4 | 15 |
| 129 | Use of Magnetic Resonance Imaging to Monitor Iron Overload. Hematology/Oncology Clinics of North America, 2014, 28, 747-764. | 2.2 | 88 |
| 130 | Calibration of myocardial T2 and T1 against iron concentration. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 62. | 3.3 | 36 |
| 131 | mRNA regulation of cardiac iron transporters and ferritin subunits in a mouse model of iron overload. Experimental Hematology, 2014, 42, 1059-1067. | 0.4 | 16 |
| 132 | Sex differences and steroid modulation of cardiac iron in a mouse model of iron overload. Translational Research, 2014, 163, 151-159. | 5.0 | 11 |
| 133 | Deformability analysis of sickle blood using ektacytometry. Biorheology, 2014, 51, 159-170. | 0.4 | 37 |
| 134 | Elevated Cerebral Metabolic Oxygen Consumption in Sickle Cell Disease. Blood, 2014, 124, 2706-2706. | 1.4 | 6 |
| 135 | Elevated Cerebral Blood Oxygen Extraction in Non-Transfused Sickle Cell Disease Patients. Blood, 2014, 124, 1387-1387. | 1.4 | 1 |
| 136 | Cerebral Blood Flow and Metabolic Correlates of Near Infrared Spectroscopy in Patients with Sickle Cell Disease. Blood, 2014, 124, 1386-1386. | 1.4 | 0 |
| 137 | Treatment of heart failure in adults with thalassemia major: response in patients randomised to deferoxamine with or without deferiprone. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 38. | 3.3 | 47 |
| 138 | Fast approximation to pixelwise relaxivity maps: Validation in iron overloaded subjects. Magnetic Resonance Imaging, 2013, 31, 1074-1080. | 1.8 | 13 |
| 139 | Tissue iron evaluation in chronically transfused children shows significant levels of iron loading at a very young age. American Journal of Hematology, 2013, 88, E283-5. | 4.1 | 82 |
| 140 | Lowâ€shear red blood cell oxygen transport effectiveness is adversely affected by transfusion and further worsened by deoxygenation in sickle cell disease patients on chronic transfusion therapy. Transfusion, 2013, 53, 297-305. | 1.6 | 28 |
| 141 | Cardiovascular Function and Treatment in Î²-Thalassemia Major. Circulation, 2013, 128, 281-308. | 1.6 | 301 |
| 142 | The use of appropriate calibration curves corrects for systematic differences in liver <scp>R</scp>2* values measured using different software packages. British Journal of Haematology, 2013, 161, 888-891. | 2.5 | 67 |
| 143 | Hepatic Iron Quantification on 3 Tesla (3â€‰T) Magnetic Resonance (MR): Technical Challenges and Solutions. Radiology Research and Practice, 2013, 2013, 1-7. | 1.3 | 20 |
| 144 | Patients with sickle cell anemia on simple chronic transfusion protocol show sex differences for hemodynamic and hematologic responses to transfusion. Transfusion, 2013, 53, 1059-1068. | 1.6 | 13 |

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|---|---|---|---|
| 145 | Exercise performance in thalassemia major: Correlation with cardiac iron burden. American Journal of Hematology, 2013, 88, 193-197. | 4.1 | 18 |
| 146 | Comparison of biventricular dimensions and function between pediatric sickleâ€cell disease and thalassemia major patients without cardiac iron. American Journal of Hematology, 2013, 88, 213-218. | 4.1 | 20 |
| 147 | Sildenafil therapy in thalassemia patients with Doppler-defined risk of pulmonary hypertension. Haematologica, 2013, 98, 1359-1367. | 3.5 | 40 |
| 148 | Sobrecarga de ferro em adolescente com xerocitose: a importÃ¢ncia da ressonÃ¢ncia nuclear magnÃ©tica. Einstein (Sao Paulo, Brazil), 2013, 11, 528-532. | 0.7 | 12 |
| 149 | Cardiac Iron Overload In Sickle-Cell Disease. Blood, 2013, 122, 1013-1013. | 1.4 | 1 |
| 150 | Extrahepatic Iron Deposition In Chronically Transfused Children With Sickle Cell Anemia â€“ Baseline Findings From The Twitch Trial. Blood, 2013, 122, 2238-2238. | 1.4 | 5 |
| 151 | Liver MRI Is Better Than Biopsy For Assessing Total Body Iron Balance: Validation By Simulation. Blood, 2013, 122, 958-958. | 1.4 | 8 |
| 152 | A first-in-human study of neural stem cells (NSCs) expressing cytosine deaminase (CD) in combination with 5-fluorocytosine (5-FC) in patients with recurrent high-grade glioma.. Journal of Clinical Oncology, 2013, 31, 2018-2018. | 1.6 | 3 |
| 153 | Inflammatory and Vitamin Bio-Markers Of Iron Trafficking and Distribution In Transfusional Overload: Insights From Comparing Diamond Blackfan Anemia With Sickle Cell Disease and Thalassemia (MCSIO) Tj ETQq1 1 0.784314 rgBT /Over | | |
| 154 | Cerebral Blood Flow and Oxygen Delivery In Response To Hyperoxia In Sickle Cell Anemia. Blood, 2013, 122, 2210-2210. | 1.4 | 0 |
| 155 | Liver Iron Concentration By MRI In Chronically Transfused Children With Sickle Cell Anemia In The Twitch Trial. Blood, 2013, 122, 780-780. | 1.4 | 0 |
| 156 | R2 and R2* Are Equally Effective In Evaluating Chronic Response To Iron Chelation. Blood, 2013, 122, 3437-3437. | 1.4 | 0 |
| 157 | Treating thalassemia major-related iron overload: the role of deferiprone. Journal of Blood Medicine, 2012, 3, 119. | 1.7 | 42 |
| 158 | Intersite validations of the pixel-wise method for liver R2* analysis in transfusion-dependent thalassemia patients: a more accessible and affordable diagnostic technology. Hematology/ Oncology and Stem Cell Therapy, 2012, 5, 91-95. | 0.9 | 10 |
| 159 | A phase 2 study of the safety, tolerability, and pharmacodynamics of FBS0701, a novel oral iron chelator, in transfusional iron overload. Blood, 2012, 119, 3263-3268. | 1.4 | 48 |
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