

# Adam M Bush

## List of Publications by Year in descending order

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37  
papers

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citations

687363

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37  
docs citations

37  
times ranked

623  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determinants of resting cerebral blood flow in sickle cell disease. American Journal of Hematology, 2016, 91, 912-917.	4.1	76
2	Peripheral Vasoconstriction and Abnormal Parasympathetic Response to Sighs and Transient Hypoxia in Sickle Cell Disease. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 474-481.	5.6	55
3	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
4	Predictors of cerebral blood flow in patients with and without anemia. Journal of Applied Physiology, 2016, 120, 976-981.	2.5	42
5	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
6	Empirical model of human blood transverse relaxation at 3T improves MRI T <sub>2</sub> oximetry. Magnetic Resonance in Medicine, 2017, 77, 2364-2371.	3.0	34
7	White matter has impaired resting oxygen delivery in sickle cell patients. American Journal of Hematology, 2019, 94, 467-474.	4.1	31
8	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
9	Pseudo continuous arterial spin labeling quantification in anemic subjects with hyperemic cerebral blood flow. Magnetic Resonance Imaging, 2018, 47, 137-146.	1.8	29
10	Anemia predicts lower white matter volume and cognitive performance in sickle and non-sickle cell anemia syndrome. American Journal of Hematology, 2019, 94, 1055-1065.	4.1	28
11	Quantitative perfusion mapping with induced transient hypoxia using BOLD MRI. Magnetic Resonance in Medicine, 2021, 85, 168-181.	3.0	23
12	Contrasting resting-state fMRI abnormalities from sickle and non-sickle anemia. PLoS ONE, 2017, 12, e0184860.	2.5	22
13	Reduced global cerebral oxygen metabolic rate in sickle cell disease and chronic anemias. American Journal of Hematology, 2021, 96, 901-913.	4.1	20
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	Rosette Trajectories Enable Ungated, Motion-Robust, Simultaneous Cardiac and Liver T <sub>2</sub> * Iron Assessment. Journal of Magnetic Resonance Imaging, 2020, 52, 1688-1698.	3.4	6
16	Transient Hypoxia Model Revealed Cerebrovascular Impairment in Anemia Using BOLD MRI and Near-Infrared Spectroscopy. Journal of Magnetic Resonance Imaging, 2020, 52, 1400-1412.	3.4	6
17	Elevated Cerebral Metabolic Oxygen Consumption in Sickle Cell Disease. Blood, 2014, 124, 2706-2706.	1.4	6
18	Acute Cardiovascular and Hematologic Changes After a Single Transfusion Demonstrate Sex Differences in Chronically Transfused Sickle Cell Anemia Patients. Blood, 2011, 118, 2138-2138.	1.4	6

#	ARTICLE	IF	CITATIONS
19	Tract specific analysis in patients with sickle cell disease. Proceedings of SPIE, 2015, 9681, .	0.8	4
20	Functional connectivity analysis for thalassemia disease based on a graphical lasso model. , 2016, 2016, 1295-1298.		4
21	An experimental investigation of labeling efficiency for pseudo-continuous arterial spin labeling. , 2016, , .		1
22	Cerebral Tissue Transit Time in Patients with Sickle Cell Anemia. Blood, 2015, 126, 280-280.	1.4	1
23	Trends in Ferritin Can Be Dramatically Different From Trends in Total Body Iron and Could Lead to Erroneous Decisions in Iron Chelation Management and Discourage Adherence in Chronically Transfused Patients,. Blood, 2011, 118, 3203-3203.	1.4	1
24	Abnormal Red Cell Deformability and Aggregation in Sickle Cell Trait. Blood, 2012, 120, 1001-1001.	1.4	1
25	Elevated Tricuspid Regurgitation Jet Correlates with Decreased Brachial Artery Relaxivity In Sickle Cell Anemia Patients on Chronic Transfusion Therapy.. Blood, 2010, 116, 1645-1645.	1.4	0
26	Blood Flow Response to Cold Face Stimulation Is Blunted In Patients with Sickle Cell Disease. Blood, 2010, 116, 2655-2655.	1.4	0
27	Cardiac Iron Overload Causes Clinically Evident Heart Failure and Arrhythmia in Sickle Cell Anemia Patients: Evidence From Three Cases. Blood, 2011, 118, 4846-4846.	1.4	0
28	Liver and Cardiac Iron Measurements in Very Young Chronically Transfused Patients Show Dangerous Levels of Iron Loading. Blood, 2011, 118, 1086-1086.	1.4	0
29	Delayed Recovery of Venous Oxygen Saturation and Lactate in SCT Subjects Following Exercise and Their Association with Red Cell Oxidative Stress. Blood, 2012, 120, 3244-3244.	1.4	0
30	Changes in Regional Oxygenation At the Site of Sickle Cell Vaso-Occlusive Pain. Blood, 2012, 120, 4773-4773.	1.4	0
31	Evaluation of Autonomic Function in Patients with Sickle Cell Disease in Relation to Nighttime Hypoxemia. Blood, 2012, 120, 4764-4764.	1.4	0
32	Autonomic Response to Hypoxia and Isometric Exercise in Sickle Cell Trait Subjects. Blood, 2012, 120, 3241-3241.	1.4	0
33	Cerebral Blood Flow and Oxygen Delivery In Response To Hyperoxia In Sickle Cell Anemia. Blood, 2013, 122, 2210-2210.	1.4	0
34	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
35	Shear-Mediated Erythrocyte Nitric Oxide Production Is Differentially Regulated in Patients with Sickle Cell Disease. Blood, 2016, 128, 1301-1301.	1.4	0
36	Hemoglobin S Exhibits Distinct MRI Oximetry Calibration in Vitro. Blood, 2016, 128, 4842-4842.	1.4	0

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37	Cerebral Oxygen Delivery and Metabolic Rate in Chronically Anemic Subjects. Blood, 2019, 134, 2273-2273.	1.4	0