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	MRI R2 and R2* mapping accurately estimates hepatic iron concentration in transfusion-dependent thalassemia and sickle cell disease patients. Blood, 2005, 106, 1460-1465.	1.4	894
2	MRI detects myocardial iron in the human heart. Magnetic Resonance in Medicine, 2006, 56, 681-686.	3.0	509
3	On T2* Magnetic Resonance and Cardiac Iron. Circulation, 2011, 123, 1519-1528.	1.6	381
4	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
5	Myocardial iron loading in transfusion-dependent thalassemia and sickle cell disease. Blood, 2004, 103, 1934-1936.	1.4	315
6	Cardiovascular Function and Treatment in Î²-Thalassemia Major. Circulation, 2013, 128, 281-308.	1.6	301
7	Cardiac Iron Determines Cardiac T2*, T2, and T1 in the Gerbil Model of Iron Cardiomyopathy. Circulation, 2005, 112, 535-543.	1.6	212
8	Magnetic resonance imaging measurement of iron overload. Current Opinion in Hematology, 2007, 14, 183-190.	2.5	200
9	Longitudinal analysis of heart and liver iron in thalassemia major. Blood, 2008, 112, 2973-2978.	1.4	191
10	Elevated liver iron concentration is a marker of increased morbidity in patients with Â thalassemia intermedia. Haematologica, 2011, 96, 1605-1612.	3.5	153
11	R2* imaging of transfusional iron burden at 3T and comparison with 1.5T. Journal of Magnetic Resonance Imaging, 2007, 25, 540-547.	3.4	146
12	Improved R2* measurements in myocardial iron overload. Journal of Magnetic Resonance Imaging, 2006, 23, 9-16.	3.4	141
13	Pancreatic iron loading predicts cardiac iron loading in thalassemia major. Blood, 2009, 114, 4021-4026.	1.4	137
14	Wavelet packet denoising of magnetic resonance images: Importance of Rician noise at low SNR. Magnetic Resonance in Medicine, 1999, 41, 631-635.	3.0	132
15	Cardiac iron across different transfusion-dependent diseases. Blood Reviews, 2008, 22, S14-S21.	5.7	129
16	The effect of deferasirox on cardiac iron in thalassemia major: impact of total body iron stores. Blood, 2010, 116, 537-543.	1.4	127
17	Magnetic Resonance Imaging Assessment of Excess Iron in Thalassemia, Sickle Cell Disease and Other Iron Overload Diseases. Hemoglobin, 2008, 32, 85-96.	0.8	124
18	Physiology and Pathophysiology of Iron Cardiomyopathy in Thalassemia. Annals of the New York Academy of Sciences, 2005, 1054, 386-395.	3.8	119

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19	Pancreatic iron and glucose dysregulation in thalassemia major. American Journal of Hematology, 2012, 87, 155-160.	4.1	118
20	Impact of Iron Assessment by MRI. Hematology American Society of Hematology Education Program, 2011, 2011, 443-450.	2.5	116
21	Pituitary iron and volume predict hypogonadism in transfusional iron overload. American Journal of Hematology, 2012, 87, 167-171.	4.1	114
22	Iron overload in non-transfusion-dependent thalassemia: a clinical perspective. Blood Reviews, 2012, 26, S16-S19.	5.7	105
23	Estimating tissue iron burden: current status and future prospects. British Journal of Haematology, 2015, 170, 15-28.	2.5	99
24	Guidelines for quantifying iron overload. Hematology American Society of Hematology Education Program, 2014, 2014, 210-215.	2.5	95
25	Onset of cardiac iron loading in pediatric patients with thalassemia major. Haematologica, 2008, 93, 917-920.	3.5	93
26	Cardiac abnormalities in children with sickle cell anemia. American Journal of Hematology, 2002, 70, 306-312.	4.1	92
27	Diagnosis and management of transfusion iron overload: The role of imaging. American Journal of Hematology, 2007, 82, 1132-1135.	4.1	91
28	Use of Magnetic Resonance Imaging to Monitor Iron Overload. Hematology/Oncology Clinics of North America, 2014, 28, 747-764.	2.2	88
29	Differential regenerative capacity of neonatal mouse hearts after cryoinjury. Developmental Biology, 2015, 399, 91-99.	2.0	88
30	Mechanisms of tissue-iron relaxivity: Nuclear magnetic resonance studies of human liver biopsy specimens. Magnetic Resonance in Medicine, 2005, 54, 1185-1193.	3.0	87
31	Nutritional deficiencies in iron overloaded patients with hemoglobinopathies. American Journal of Hematology, 2009, 84, 344-348.	4.1	86
32	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
33	Determinants of resting cerebral blood flow in sickle cell disease. American Journal of Hematology, 2016, 91, 912-917.	4.1	76
34	Relaxivityâ€iron calibration in hepatic iron overload: Probing underlying biophysical mechanisms using a Monte Carlo model. Magnetic Resonance in Medicine, 2011, 65, 837-847.	3.0	74
35	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
36	Magnetic resonance detection of kidney iron deposition in sickle cell disease: A marker of chronic hemolysis. Journal of Magnetic Resonance Imaging, 2008, 28, 698-704.	3.4	73

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37	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
38	How we manage iron overload in sickle cell patients. British Journal of Haematology, 2017, 177, 703-716.	2.5	71
39	Deferasirox and deferiprone remove cardiac iron in the iron-overloaded gerbil. Translational Research, 2006, 148, 272-280.	5.0	69
40	Vitamin D deficiency, cardiac iron and cardiac function in thalassaemia major. British Journal of Haematology, 2008, 141, 891-894.	2.5	67
41	History and Current Impact of Cardiac Magnetic Resonance Imaging on the Management of Iron Overload. Circulation, 2009, 120, 1937-1939.	1.6	67
42	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
43	Cardiac iron overload in sickleâ€cell disease. American Journal of Hematology, 2014, 89, 678-683.	4.1	67
44	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
45	Chronic transfusion therapy improves but does not normalize systemic and pulmonary vasculopathy in sickle cell disease. Blood, 2015, 126, 703-710.	1.4	62
46	Magnetic resonance evaluation of hepatic and myocardial iron deposition in transfusionâ€independent thalassemia intermedia compared to regularly transfused thalassemia major patients. American Journal of Hematology, 2010, 85, 288-290.	4.1	61
47	Spleen R2 and R2* in ironâ€overloaded patients with sickle cell disease and thalassemia major. Journal of Magnetic Resonance Imaging, 2009, 29, 357-364.	3.4	57
48	Absence of cardiac siderosis despite hepatic iron overload in Italian patients with thalassemia intermedia: an MRI T2* study. Annals of Hematology, 2010, 89, 585-589.	1.8	55
49	Risk factors and mortality associated with an elevated tricuspid regurgitant jet velocity measured by Doppler-echocardiography in thalassemia: a Thalassemia Clinical Research Network report. Blood, 2011, 118, 3794-3802.	1.4	55
50	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
51	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
52	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
53	End points for sickle cell disease clinical trials: patient-reported outcomes, pain, and the brain. Blood Advances, 2019, 3, 3982-4001.	5.2	51
54	Mimicking liver iron overload using liposomal ferritin preparations. Magnetic Resonance in Medicine, 2004, 51, 607-611.	3.0	50

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55	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
56	Cardiac Complications in Thalassemia Major. Hemoglobin, 2009, 33, S81-S86.	0.8	48
57	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
58	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
59	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
60	Predicting pituitary iron and endocrine dysfunction. Annals of the New York Academy of Sciences, 2010, 1202, 123-128.	3.8	46
61	Pancreatic iron stores assessed by magnetic resonance imaging (MRI) in beta thalassemic patients. European Journal of Radiology, 2012, 81, 1465-1470.	2.6	46
62	Electrocardiographic consequences of cardiac iron overload in thalassemia major. American Journal of Hematology, 2012, 87, 139-144.	4.1	46
63	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
64	Treating thalassemia major-related iron overload: the role of deferiprone. Journal of Blood Medicine, 2012, 3, 119.	1.7	42
65	Predictors of cerebral blood flow in patients with and without anemia. Journal of Applied Physiology, 2016, 120, 976-981.	2.5	42
66	Sildenafil therapy in thalassemia patients with Doppler-defined risk of pulmonary hypertension. Haematologica, 2013, 98, 1359-1367.	3.5	40
67	Hemodynamic provocation with acetazolamide shows impaired cerebrovascular reserve in adults with sickle cell disease. Haematologica, 2019, 104, 690-699.	3.5	40
68	Mental stress causes vasoconstriction in subjects with sickle cell disease and in normal controls. Haematologica, 2020, 105, 83-90.	3.5	40
69	Relationship between labile plasma iron, liver iron concentration and cardiac response in a deferasirox monotherapy trial. Haematologica, 2011, 96, 1055-1058.	3.5	38
70	Ultraâ€short echo time images quantify high liver iron. Magnetic Resonance in Medicine, 2018, 79, 1579-1585.	3.0	38
71	Deformability analysis of sickle blood using ektacytometry. Biorheology, 2014, 51, 159-170.	0.4	37
72	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

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73	Calibration of myocardial T2 and T1 against iron concentration. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 62.	3.3	36
74	Empirical model of human blood transverse relaxation at 3â€‰T improves MRI T₂oximetry. Magnetic Resonance in Medicine, 2017, 77, 2364-2371.	3.0	34
75	Absence of cardiac siderosis by MRI T2* despite transfusion burden, hepatic and serum iron overload in Lebanese patients with sickle cell disease. European Journal of Haematology, 2009, 83, 565-571.	2.2	33
76	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
77	R2 and R2* are equally effective in evaluating chronic response to iron chelation. American Journal of Hematology, 2014, 89, 505-508.	4.1	32
78	Iron chelation in thalassemia: time to reconsider our comfort zones. Expert Review of Hematology, 2011, 4, 17-26.	2.2	31
79	White matter has impaired resting oxygen delivery in sickle cell patients. American Journal of Hematology, 2019, 94, 467-474.	4.1	31
80	Cerebral oxygen metabolism in adults with sickle cell disease. American Journal of Hematology, 2020, 95, 401-412.	4.1	31
81	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
82	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
83	Interdependence of cardiac iron and calcium in a murine model of iron overload. Translational Research, 2011, 157, 92-99.	5.0	29
84	Pulmonary hypertension in well-transfused thalassemia major patients. Blood Cells, Molecules, and Diseases, 2015, 54, 189-194.	1.4	29
85	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
86	Pseudo continuous arterial spin labeling quantification in anemic subjects with hyperemic cerebral blood flow. Magnetic Resonance Imaging, 2018, 47, 137-146.	1.8	29
87	Action of iron chelator on intramyocardial hemorrhage and cardiac remodeling following acute myocardial infarction. Basic Research in Cardiology, 2020, 115, 24.	5.9	29
88	Biophysical markers of the peripheral vasoconstriction response to pain in sickle cell disease. PLoS ONE, 2017, 12, e0178353.	2.5	29
89	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
90	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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91	Iron overload indices rise linearly with transfusion rate in patients with sickle cell disease. Blood, 2010, 115, 2980-2981.	1.4	27
92	Comparison of the Region-Based and Pixel-Wise Methods for Cardiac T2* Analysis in 50 Transfusion-Dependent Thai Thalassemia Patients. Journal of Computer Assisted Tomography, 2011, 35, 375-381.	0.9	27
93	Pancreatic iron loading in chronically transfused sickle cell disease is lower than in thalassaemia major. British Journal of Haematology, 2011, 152, 229-233.	2.5	27
94	Characterization of Transfusion-Derived Iron Deposition in Childhood Cancer Survivors. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 1913-1919.	2.5	27
95	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
96	Patterns of hepatic iron distribution in patients with chronically transfused thalassemia and sickle cell disease. American Journal of Hematology, 2009, 84, 480-483.	4.1	25
97	Cardiovascular MRI in thalassemia major. Annals of the New York Academy of Sciences, 2010, 1202, 173-179.	3.8	25
98	Systemic endothelial dysfunction in children with idiopathic pulmonary arterial hypertension correlates with disease severity. Journal of Heart and Lung Transplantation, 2012, 31, 642-647.	0.6	25
99	Safety and Efficacy of Combined Chelation Therapy with Deferasirox and Deferoxamine in a Gerbil Model of Iron Overload. Acta Haematologica, 2008, 120, 123-128.	1.4	24
100	Combining two orally active iron chelators for thalassemia. Annals of Hematology, 2010, 89, 1177-1178.	1.8	24
101	Relaxivityâ€iron calibration in hepatic iron overload: Predictions of a Monte Carlo model. Magnetic Resonance in Medicine, 2015, 74, 879-883.	3.0	23
102	Quantitative perfusion mapping with induced transient hypoxia using BOLD MRI. Magnetic Resonance in Medicine, 2021, 85, 168-181.	3.0	23
103	Dysregulated arginine metabolism and cardiopulmonary dysfunction in patients with thalassaemia. British Journal of Haematology, 2015, 169, 887-898.	2.5	22
104	Contrasting resting-state fMRI abnormalities from sickle and non-sickle anemia. PLoS ONE, 2017, 12, e0184860.	2.5	22
105	Quantitative computed tomography assessment of transfusional iron overload. British Journal of Haematology, 2011, 153, 780-785.	2.5	21
106	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
107	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
108	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

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109	Reduced global cerebral oxygen metabolic rate in sickle cell disease and chronic anemias. American Journal of Hematology, 2021, 96, 901-913.	4.1	20
110	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
111	Increased brain iron deposition in patients with sickle cell disease: an MRI quantitative susceptibility mapping study. Blood, 2018, 132, 1618-1621.	1.4	19
112	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
113	Exercise performance in thalassemia major: Correlation with cardiac iron burden. American Journal of Hematology, 2013, 88, 193-197.	4.1	18
114	Effect of Inversion Recovery Fat Suppression on Hepatic R2* Quantitation in Transfusional Siderosis. American Journal of Roentgenology, 2015, 204, 625-629.	2.2	18
115	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
116	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
117	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
118	Atrial dysfunction as a marker of iron cardiotoxicity in thalassemia major. Haematologica, 2008, 93, 311-312.	3.5	17
119	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
120	Calibration of T₂ oximetry MRI for subjects with sickle cell disease. Magnetic Resonance in Medicine, 2021, 86, 1019-1028.	3.0	17
121	Perfusion MRI using endogenous deoxyhemoglobin as a contrast agent: Preliminary data. Magnetic Resonance in Medicine, 2021, 86, 3012-3021.	3.0	17
122	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
123	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
124	Impairment of Cerebrovascular Hemodynamics in Patients With Severe and Milder Forms of Sickle Cell Disease. Frontiers in Physiology, 2021, 12, 645205.	2.8	16
125	Robust estimation of pulse wave transit time using group delay. Journal of Magnetic Resonance Imaging, 2014, 39, 550-558.	3.4	15
126	Measuring Stroke Volume: Impedance Cardiography vs Phase-Contrast Magnetic Resonance Imaging. American Journal of Critical Care, 2017, 26, 408-415.	1.6	15

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127	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
128	MRI Restoration Using Edge-Guided Adversarial Learning. IEEE Access, 2020, 8, 83858-83870.	4.2	15
129	Influence of iron chelation on R1 and R2 calibration curves in gerbil liver and heart. Magnetic Resonance in Medicine, 2008, 60, 82-89.	3.0	14
130	Ascorbate status modulates reticuloendothelial iron stores and response to deferasirox iron chelation in ascorbate-deficient rats. Experimental Hematology, 2012, 40, 820-827.	0.4	14
131	Autonomic responses to cold face stimulation in sickle cell disease: a time-varying model analysis. Physiological Reports, 2015, 3, e12463.	1.7	14
132	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
133	Intracranial 4D flow magnetic resonance imaging reveals altered haemodynamics in sickle cell disease. British Journal of Haematology, 2018, 180, 432-442.	2.5	14
134	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
135	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
136	Sickle cell microvascular paradoxâ€"oxygen supplyâ€demand mismatch. American Journal of Hematology, 2019, 94, 678-688.	4.1	14
137	Postoperative Serum Troponin Trends in Infants Undergoing Cardiac Surgery. Seminars in Thoracic and Cardiovascular Surgery, 2019, 31, 244-251.	0.6	14
138	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
139	Progressive vasoconstriction with sequential thermal stimulation indicates vascular dysautonomia in sickle cell disease. Blood, 2020, 136, 1191-1200.	1.4	14
140	Followâ€up report on the 2â€year cardiac data from a deferasirox monotherapy trial. American Journal of Hematology, 2010, 85, 818-819.	4.1	13
141	Pulmonary function in thalassaemia major and its correlation with body iron stores. British Journal of Haematology, 2011, 155, 102-105.	2.5	13
142	Fast approximation to pixelwise relaxivity maps: Validation in iron overloaded subjects. Magnetic Resonance Imaging, 2013, 31, 1074-1080.	1.8	13
143	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
144	Changes in Pituitary Iron, Volume, and Function Over Two Years in Pediatric Patients Treated with Deferasirox. Blood, 2012, 120, 3206-3206.	1.4	13

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145	Superiority of 3D wavelet-packet denoising in MR microscopy. Magnetic Resonance Imaging, 2003, 21, 913-921.	1.8	12
146	Anatomical Assessment of Congenital Heart Disease. Journal of Cardiovascular Magnetic Resonance, 2006, 8, 595-606.	3.3	12
147	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
148	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
149	Brain O2 reserve in sickle cell disease. Blood, 2019, 133, 2356-2358.	1.4	12
150	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
151	Sex differences and steroid modulation of cardiac iron in a mouse model of iron overload. Translational Research, 2014, 163, 151-159.	5.0	11
152	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
153	Orchestral fully convolutional networks for small lesion segmentation in brain MRI. , 2018, 2018, 889-892.		11
154	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
155	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
156	Graph Lasso-Based Test for Evaluating Functional Brain Connectivity in Sickle Cell Disease. Brain Connectivity, 2017, 7, 443-453.	1.7	10
157	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
158	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
159	Revisiting the relationship between vitamin D deficiency, cardiac iron and cardiac function in thalassemia major. European Journal of Haematology, 2011, 86, 176-177.	2.2	8
160	Cardiac R2* values are independent of the image analysis approach employed. Magnetic Resonance in Medicine, 2014, 72, 485-491.	3.0	8
161	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
162	Liver MRI Is Better Than Biopsy For Assessing Total Body Iron Balance: Validation By Simulation. Blood, 2013, 122, 958-958.	1.4	8

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163	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
164	A novel cross-correlation methodology for assessing biophysical responses associated with pain. Journal of Pain Research, 2018, Volume 11, 2207-2219.	2.0	7
165	Tractâ€specific analysis and neurocognitive functioning in sickle cell patients without history of overt stroke. Brain and Behavior, 2021, 11, e01978.	2.2	7
166	Polystyrene microsphereâ€“ferritin conjugates: A robust phantom for correlation of relaxivity and size distribution. Magnetic Resonance in Medicine, 2011, 65, 522-530.	3.0	6
167	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
168	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
169	Elevated Cerebral Metabolic Oxygen Consumption in Sickle Cell Disease. Blood, 2014, 124, 2706-2706.	1.4	6
170	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
171	Pulmonary hypertension in thalassemia: a call to action. Blood, 2022, 139, 1937-1938.	1.4	6
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