

Jon A Detterich

List of Publications by Year in descending order

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63
papers

874
citations

516710

16
h-index

501196

28
g-index

63
all docs

63
docs citations

63
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Forced Vital Capacity and the Number of Chest Wall Surgeries are Associated with Decreased Exercise Capacity in Children with Congenital Heart Disease. <i>Pediatric Cardiology</i> , 2022, 43, 54-61.	1.3	4
2	Kidney iron deposition by R2* is associated with haemolysis and urinary iron. <i>British Journal of Haematology</i> , 2021, 193, 633-636.	2.5	3
3	Extracardiac Doppler indices predict perinatal mortality in fetuses with Ebstein anomaly and tricuspid valve dysplasia. <i>Prenatal Diagnosis</i> , 2021, 41, 332-340.	2.3	2
4	Loss of alpha-globin genes in human subjects is associated with improved nitric oxide-mediated vascular perfusion. <i>American Journal of Hematology</i> , 2021, 96, 277-281.	4.1	12
5	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 –revisiting this controversial concept after 16-years of additional evidence. <i>American Journal of Hematology</i> , 2021, 96, 31-39.	4.1	10
6	Individual red blood cell nitric oxide production in sickle cell anemia: Nitric oxide production is increased and sickle shaped cells have unique morphologic change compared to discoid cells. <i>Free Radical Biology and Medicine</i> , 2021, 171, 143-155.	2.9	3
7	Non-invasive biomarkers of Fontan-associated liver disease. <i>JHEP Reports</i> , 2021, 3, 100362.	4.9	16
8	Abstract 10502: Impact of Norwood Shunt Type on Cardiac Function and Clinical Outcomes in Survivors to Early Adolescence with Hypoplastic Left Heart Syndrome and Other Single Right Ventricular Anomalies: A Report from the Single Ventricle Reconstruction (SVR) III Study. <i>Circulation</i> , 2021, 144, .	1.6	1
9	Mental stress causes vasoconstriction in subjects with sickle cell disease and in normal controls. <i>Haematologica</i> , 2020, 105, 83-90.	3.5	40
10	Progressive vasoconstriction with sequential thermal stimulation indicates vascular dysautonomia in sickle cell disease. <i>Blood</i> , 2020, 136, 1191-1200.	1.4	14
11	Loss of Alpha Globin Genes in Human Subjects Is Associated with Improved Nitric Oxide-Mediated Vascular Perfusion. <i>Blood</i> , 2020, 136, 6-7.	1.4	1
12	Abstract 14404: The Fontan Udenafil Exercise Longitudinal Trial Subgroup Analysis. <i>Circulation</i> , 2020, 142, .	1.6	0
13	Abstract 16788: Cardiopulmonary Exercise Testing in Pulmonary Atresia With Intact Ventricular Septum. <i>Circulation</i> , 2020, 142, .	1.6	0
14	Abstract 15417: Impact of Udenafil on Vascular Function in Fontan Circulation: Results From the FUEL Trial. <i>Circulation</i> , 2020, 142, .	1.6	0
15	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. <i>Free Radical Biology and Medicine</i> , 2019, 141, 408-415.	2.9	14
16	Sickle Cell Disease Subjects Have a Distinct Abnormal Autonomic Phenotype Characterized by Peripheral Vasoconstriction With Blunted Cardiac Response to Head-Up Tilt. <i>Frontiers in Physiology</i> , 2019, 10, 381.	2.8	18
17	Sickle cell microvascular paradox –oxygen supply-demand mismatch. <i>American Journal of Hematology</i> , 2019, 94, 678-688.	4.1	14
18	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. <i>Pediatric Cardiology</i> , 2019, 40, 526-536.	1.3	11

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19	Kidney Iron Deposition By R2* Is Associated with Hemolysis and Urinary Iron. Blood, 2019, 134, 3537-3537.	1.4	0
20	Simple chronic transfusion therapy, a crucial therapeutic option for sickle cell disease, improves but does not normalize blood rheology: What should be our goals for transfusion therapy?. Clinical Hemorheology and Microcirculation, 2018, 68, 173-186.	1.7	10
21	Red blood cell mechanical sensitivity improves in patients with sickle cell disease undergoing chronic transfusion after prolonged, subhemolytic shear exposure. Transfusion, 2018, 58, 2788-2796.	1.6	10
22	A novel cross-correlation methodology for assessing biophysical responses associated with pain. Journal of Pain Research, 2018, Volume 11, 2207-2219.	2.0	7
23	Accuracy of a Novel Handheld Wireless Platform for Detection of Cardiac Dysfunction in Anthracycline-Exposed Survivors of Childhood Cancer. Clinical Cancer Research, 2018, 24, 3119-3125.	7.0	20
24	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
25	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
26	Hemolysis and Tricuspid Regurgitation Jet Velocity Predict Mortality in Patients with Sickle Cell Disease. Blood, 2018, 132, 1086-1086.	1.4	0
27	Myocardial fibrosis: the heart of diastole?. Blood, 2017, 130, 104-105.	1.4	4
28	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
29	Biophysical markers of the peripheral vasoconstriction response to pain in sickle cell disease. PLoS ONE, 2017, 12, e0178353.	2.5	29
30	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
31	The role of blood rheology in sickle cell disease. Blood Reviews, 2016, 30, 111-118.	5.7	142
32	Shear-Mediated Erythrocyte Nitric Oxide Production Is Differentially Regulated in Patients with Sickle Cell Disease. Blood, 2016, 128, 1301-1301.	1.4	0
33	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
34	Autonomic and Vascular Dysregulation Enhance Pain-Induced Peripheral Vasoconstriction in Sickle Cell Disease. Blood, 2016, 128, 126-126.	1.4	0
35	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
36	Autonomic responses to cold face stimulation in sickle cell disease: a time-varying model analysis. Physiological Reports, 2015, 3, e12463.	1.7	14

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37	Chronic transfusion therapy improves but does not normalize systemic and pulmonary vasculopathy in sickle cell disease. <i>Blood</i> , 2015, 126, 703-710.	1.4	62
38	Pulmonary hypertension in well-transfused thalassemia major patients. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 54, 189-194.	1.4	29
39	Giant Pseudoaneurysm of Reconstructed Right Ventricular Outflow Tract. <i>Annals of Thoracic Surgery</i> , 2015, 100, 734.	1.3	2
40	Nitric oxide, vasodilation and the red blood cell. <i>Biorheology</i> , 2014, 51, 121-134.	0.4	84
41	Deformability analysis of sickle blood using ektacytometry. <i>Biorheology</i> , 2014, 51, 159-170.	0.4	37
42	Low-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. <i>Transfusion</i> , 2013, 53, 297-305.	1.6	28
43	Patients with sickle cell anemia on simple chronic transfusion protocol show sex differences for hemodynamic and hematologic responses to transfusion. <i>Transfusion</i> , 2013, 53, 1059-1068.	1.6	13
44	Comparison of biventricular dimensions and function between pediatric sickle cell disease and thalassemia major patients without cardiac iron. <i>American Journal of Hematology</i> , 2013, 88, 213-218.	4.1	20
45	Change In Flow Mediated Dilation After Transfusion Is Dependent On BMI and Blood Age. <i>Blood</i> , 2013, 122, 3653-3653.	1.4	0
46	Color M-Mode Sonography for Evaluation of Fetal Arrhythmias. <i>Journal of Ultrasound in Medicine</i> , 2012, 31, 1681-1688.	1.7	9
47	Analysis of light scattering by red blood cells in ektacytometry using global pattern fitting. <i>Biorheology</i> , 2012, 49, 317-328.	0.4	7
48	Systemic endothelial dysfunction in children with idiopathic pulmonary arterial hypertension correlates with disease severity. <i>Journal of Heart and Lung Transplantation</i> , 2012, 31, 642-647.	0.6	25
49	Electrocardiographic consequences of cardiac iron overload in thalassemia major. <i>American Journal of Hematology</i> , 2012, 87, 139-144.	4.1	46
50	Changes in Regional Oxygenation At the Site of Sickle Cell Vaso-Occlusive Pain. <i>Blood</i> , 2012, 120, 4773-4773.	1.4	0
51	Evaluation of Autonomic Function in Patients with Sickle Cell Disease in Relation to Nighttime Hypoxemia. <i>Blood</i> , 2012, 120, 4764-4764.	1.4	0
52	Autonomic Response to Hypoxia and Isometric Exercise in Sickle Cell Trait Subjects. <i>Blood</i> , 2012, 120, 3241-3241.	1.4	0
53	Abnormal Red Cell Deformability and Aggregation in Sickle Cell Trait. <i>Blood</i> , 2012, 120, 1001-1001.	1.4	1
54	Peripheral Vasoconstriction and Abnormal Parasympathetic Response to Sighs and Transient Hypoxia in Sickle Cell Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 474-481.	5.6	55

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55	In Patients with Sickle Cell Disease on Chronic Transfusion Therapy, Viscosity and Aggregation Are Increased After a Single Transfusion, Negatively Affecting Low Shear Rate Blood Flow. <i>Blood</i> , 2011, 118, 1259-1259.	1.4	0
56	Acute Cardiovascular and Hematologic Changes After a Single Transfusion Demonstrate Sex Differences in Chronically Transfused Sickle Cell Anemia Patients. <i>Blood</i> , 2011, 118, 2138-2138.	1.4	6
57	Elevated Tricuspid Regurgitation Jet Correlates with Decreased Brachial Artery Relaxivity In Sickle Cell Anemia Patients on Chronic Transfusion Therapy.. <i>Blood</i> , 2010, 116, 1645-1645.	1.4	0
58	Blood Flow Response to Cold Face Stimulation Is Blunted In Patients with Sickle Cell Disease. <i>Blood</i> , 2010, 116, 2655-2655.	1.4	0
59	Pulmonary Hypertension Is Uncommon In Well-Transfused Thalassemia Major Patients. <i>Blood</i> , 2010, 116, 4273-4273.	1.4	0
60	Acute Hemodynamic and Vascular Effects of Transfusion in Chronically Transfused Patients with Sickle Cell Anemia.. <i>Blood</i> , 2009, 114, 1516-1516.	1.4	0
61	Decrease in Microvascular Blood Flow in Sickle Cell Anemia Is Triggered by Autonomic Signals and Not Directly by Hypoxia: A New Hypothesis for Sickle Crisis.. <i>Blood</i> , 2009, 114, 1523-1523.	1.4	1
62	Transfusion Therapy Decreases Oxygen Transport to Low-Flow Vascular Beds in Sickle Cell Disease.. <i>Blood</i> , 2009, 114, 1518-1518.	1.4	0
63	Electrocardiographic Screening for Cardiac Iron in Thalassemia Major.. <i>Blood</i> , 2007, 110, 2766-2766.	1.4	0