

# Gregory P Barton

## List of Publications by Citations

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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.

33  
papers

242  
citations

8  
h-index

15  
g-index

35  
ext. papers

372  
ext. citations

5.1  
avg, IF

3.32  
L-index

#	Paper	IF	Citations
33	Early Pulmonary Vascular Disease in Young Adults Born Preterm. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 198, 1549-1558	10.2	73
32	Association Between Preterm Birth and Arrested Cardiac Growth in Adolescents and Young Adults. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 910-919	16.2	27
31	Impaired autonomic function in adolescents born preterm. <i>Physiological Reports</i> , <b>2018</b> , 6, e13620	2.6	26
30	Impaired Right Ventricular-Vascular Coupling in Young Adults Born Preterm. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 615-618	10.2	18
29	Analysis of cavopulmonary and cardiac flow characteristics in fontan Patients: Comparison with healthy volunteers. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 49, 1786-1799	5.6	17
28	Bimodal right ventricular dysfunction after postnatal hyperoxia exposure: implications for the preterm heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 317, H1272-H1281	5.2	10
27	Sex Differences in Cardiac Flow Dynamics of Healthy Volunteers. <i>Radiology: Cardiothoracic Imaging</i> , <b>2020</b> , 2,	8.3	8
26	Altered Right Ventricular Mechanical Properties Are Afterload Dependent in a Rodent Model of Bronchopulmonary Dysplasia. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 840	4.6	8
25	Simultaneous determination of dynamic cardiac metabolism and function using PET/MRI. <i>Journal of Nuclear Cardiology</i> , <b>2019</b> , 26, 1946-1957	2.1	8
24	Mitochondrial and Metabolic Gene Expression in the Aged Rat Heart. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 352	4.6	7
23	Sex-Specific Skeletal Muscle Fatigability and Decreased Mitochondrial Oxidative Capacity in Adult Rats Exposed to Postnatal Hyperoxia. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 326	4.6	6
22	Feasibility of Cardiovascular Four-dimensional Flow MRI during Exercise in Healthy Participants. <i>Radiology: Cardiothoracic Imaging</i> , <b>2020</b> , 2, e190033	8.3	5
21	Linking metabolic and contractile dysfunction in aged cardiac myocytes. <i>Physiological Reports</i> , <b>2017</b> , 5, e13485	2.6	5
20	Systemic ventricular strain and torsion are predictive of elevated serum NT-proBNP in Fontan patients: a magnetic resonance study. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2020</b> , 10, 485-495	3.6	4
19	Effect of intermittent hyperoxia on stem cell mobilization and cytokine expression. <i>Medical Gas Research</i> , <b>2019</b> , 9, 139-144	2.2	4
18	Pulmonary Microvascular Changes in Adult Survivors of Prematurity: Utility of Dynamic Contrast-enhanced Magnetic Resonance Imaging. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 1471-1473	10.2	3
17	Exaggerated Cardiac Contractile Response to Hypoxia in Adults Born Preterm. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	3

16	Increased mitochondrial oxygen consumption in adult survivors of preterm birth. <i>Pediatric Research</i> , <b>2021</b> ,	3.2	3
15	Stent interventions for pulmonary artery stenosis improve bi-ventricular flow efficiency in a swine model. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2021</b> , 23, 13	6.9	2
14	Exercise-induced irregular right heart flow dynamics in adolescents and young adults born preterm. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2021</b> , 23, 116	6.9	1
13	Improved reconstruction stability for chemical shift encoded hyperpolarized C magnetic resonance spectroscopic imaging using k-t spiral acquisitions. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 25-38	4.4	1
12	Dynamic FDG PET Imaging to Probe for Cardiac Metabolic Remodeling in Adults Born Premature. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	1
11	Hyperpolarized C Magnetic Resonance Spectroscopic Imaging of Pyruvate Metabolism in Murine Breast Cancer Models of Different Metastatic Potential. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	1
10	Sildenafil administration improves right ventricular function on 4D flow MRI in young adults born premature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H2295-H2304	5.2	1
9	Measuring the link between cardiac mechanical function and metabolism during hyperpolarized C-pyruvate magnetic resonance experiments. <i>Magnetic Resonance Imaging</i> , <b>2020</b> , 68, 9-17	3.3	0
8	Altered Right Ventricular Filling at Four-dimensional Flow MRI in Young Adults Born Prematurely. <i>Radiology: Cardiothoracic Imaging</i> , <b>2021</b> , 3, e200618	8.3	0
7	Decreased ventricular size and mass mediate the reduced exercise capacity in adolescents and adults born premature. <i>Early Human Development</i> , <b>2021</b> , 160, 105426	2.2	0
6	Development of a PET/MRI exercise stress test for determining cardiac glucose dependence in pulmonary arterial hypertension.. <i>Pulmonary Circulation</i> , <b>2022</b> , 12, e12025	2.7	
5	Adults born preterm exhibit bi-ventricular hypercontractility and inefficiency. <i>FASEB Journal</i> , <b>2018</b> , 32, 901.4	0.9	
4	Effects of Age and Exercise Training on the Expression of Mitochondrial Genes in Skeletal Muscle. <i>FASEB Journal</i> , <b>2015</b> , 29, 815.11	0.9	
3	Metabolic and Mitochondrial Gene Expression Changes in the Aging Heart. <i>FASEB Journal</i> , <b>2015</b> , 29, 1047.5	0.9	
2	Monitoring exercise intensity during long-term endurance exercise training in aging rats. <i>FASEB Journal</i> , <b>2012</b> , 26, 1142.4	0.9	
1	Effects of Age and Exercise on Fiber Type and Total Fiber Number in Skeletal Muscle. <i>FASEB Journal</i> , <b>2013</b> , 27, 940.3	0.9	