

Gregory P Barton

List of Publications by Year in Descending Order

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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	Development of a PET/MRI exercise stress test for determining cardiac glucose dependence in pulmonary arterial hypertension.. <i>Pulmonary Circulation</i> , 2022 , 12, e12025	2.7	
32	Exercise-induced irregular right heart flow dynamics in adolescents and young adults born preterm. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 116	6.9	1
31	Exaggerated Cardiac Contractile Response to Hypoxia in Adults Born Preterm. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
30	Dynamic FDG PET Imaging to Probe for Cardiac Metabolic Remodeling in Adults Born Premature. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
29	Hyperpolarized C Magnetic Resonance Spectroscopic Imaging of Pyruvate Metabolism in Murine Breast Cancer Models of Different Metastatic Potential. <i>Metabolites</i> , 2021 , 11,	5.6	1
28	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> , 2021 , 320, H2295-H2304	5.2	1
27	Altered Right Ventricular Filling at Four-dimensional Flow MRI in Young Adults Born Prematurely. <i>Radiology: Cardiothoracic Imaging</i> , 2021 , 3, e200618	8.3	0
26	Increased mitochondrial oxygen consumption in adult survivors of preterm birth. <i>Pediatric Research</i> , 2021 ,	3.2	3
25	Stent interventions for pulmonary artery stenosis improve bi-ventricular flow efficiency in a swine model. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 13	6.9	2
24	Decreased ventricular size and mass mediate the reduced exercise capacity in adolescents and adults born premature. <i>Early Human Development</i> , 2021 , 160, 105426	2.2	0
23	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> , 2020 , 10, 485-495	3.6	4
22	Feasibility of Cardiovascular Four-dimensional Flow MRI during Exercise in Healthy Participants. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e190033	8.3	5
21	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> , 2020 , 202, 1471-1473	10.2	3
20	Sex Differences in Cardiac Flow Dynamics of Healthy Volunteers. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2,	8.3	8
19	Measuring the link between cardiac mechanical function and metabolism during hyperpolarized C-pyruvate magnetic resonance experiments. <i>Magnetic Resonance Imaging</i> , 2020 , 68, 9-17	3.3	0
18	Impaired Right Ventricular-Vascular Coupling in Young Adults Born Preterm. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 615-618	10.2	18
17	Improved reconstruction stability for chemical shift encoded hyperpolarized C magnetic resonance spectroscopic imaging using k-t spiral acquisitions. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 25-38	4.4	1

16	Association Between Preterm Birth and Arrested Cardiac Growth in Adolescents and Young Adults. <i>JAMA Cardiology</i> , 2020 , 5, 910-919	16.2	27
15	Bimodal right ventricular dysfunction after postnatal hyperoxia exposure: implications for the preterm heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1272-H1281	5.2	10
14	Effect of intermittent hyperoxia on stem cell mobilization and cytokine expression. <i>Medical Gas Research</i> , 2019 , 9, 139-144	2.2	4
13	Analysis of cavopulmonary and cardiac flow characteristics in fontan Patients: Comparison with healthy volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, 1786-1799	5.6	17
12	Simultaneous determination of dynamic cardiac metabolism and function using PET/MRI. <i>Journal of Nuclear Cardiology</i> , 2019 , 26, 1946-1957	2.1	8
11	Sex-Specific Skeletal Muscle Fatigability and Decreased Mitochondrial Oxidative Capacity in Adult Rats Exposed to Postnatal Hyperoxia. <i>Frontiers in Physiology</i> , 2018 , 9, 326	4.6	6
10	Adults born preterm exhibit bi-ventricular hypercontractility and inefficiency. <i>FASEB Journal</i> , 2018 , 32, 901.4	0.9	
9	Impaired autonomic function in adolescents born preterm. <i>Physiological Reports</i> , 2018 , 6, e13620	2.6	26
8	Early Pulmonary Vascular Disease in Young Adults Born Preterm. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 1549-1558	10.2	73
7	Linking metabolic and contractile dysfunction in aged cardiac myocytes. <i>Physiological Reports</i> , 2017 , 5, e13485	2.6	5
6	Altered Right Ventricular Mechanical Properties Are Afterload Dependent in a Rodent Model of Bronchopulmonary Dysplasia. <i>Frontiers in Physiology</i> , 2017 , 8, 840	4.6	8
5	Mitochondrial and Metabolic Gene Expression in the Aged Rat Heart. <i>Frontiers in Physiology</i> , 2016 , 7, 352	4.6	7
4	Effects of Age and Exercise Training on the Expression of Mitochondrial Genes in Skeletal Muscle. <i>FASEB Journal</i> , 2015 , 29, 815.11	0.9	
3	Metabolic and Mitochondrial Gene Expression Changes in the Aging Heart. <i>FASEB Journal</i> , 2015 , 29, 1047.5	0.9	
2	Effects of Age and Exercise on Fiber Type and Total Fiber Number in Skeletal Muscle. <i>FASEB Journal</i> , 2013 , 27, 940.3	0.9	
1	Monitoring exercise intensity during long-term endurance exercise training in aging rats. <i>FASEB Journal</i> , 2012 , 26, 1142.4	0.9	