Naomi C Chesler

List of Publications by Year
in descending order

152 papers	4,367 citations	101543 36 h-index	144013 57 g-index
153 all docs	153 docs citations	153 times ranked	4515 citing authors

#	Article	IF	Citations
1	Assessment of Right Ventricular Function in the Research Setting: Knowledge Gaps and Pathways Forward. An Official American Thoracic Society Research Statement. American Journal of Respiratory and Critical Care Medicine, 2018, 198, e15-e43.	5.6	220
2	Pulmonary Vascular Wall Stiffness: An Important Contributor to the Increased Right Ventricular Afterload with Pulmonary Hypertension. Pulmonary Circulation, 2011, 1, 212-223.	1.7	172
3	Exercise stress echocardiography for the study of the pulmonary circulation. European Respiratory Journal, 2010, 35, 1273-1278.	6.7	154
4	Exercise Stress Echocardiography of the Pulmonary Circulation. Chest, 2012, 142, 1158-1165.	0.8	149
5	Pulmonary Circulation at Exercise. , 2012, 2, 711-741.		141
6	Early Pulmonary Vascular Disease in Young Adults Born Preterm. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1549-1558.	5.6	141
7	Genderâ€Informed Mentoring Strategies for Women Engineering Scholars: On Establishing a Caring Community. Journal of Engineering Education, 2002, 91, 49-55.	3.0	131
8	Four-dimensional flow assessment of pulmonary artery flow and wall shear stress in adult pulmonary arterial hypertension: Results from two institutions. Magnetic Resonance in Medicine, 2015, 73, 1904-1913.	3.0	116
9	Fund Black scientists. Cell, 2021, 184, 561-565.	28.9	107
10	Linked mechanical and biological aspects of remodeling in mouse pulmonary arteries with hypoxia-induced hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H1209-H1217.	3.2	95
11	Imaging right ventricular function to predict outcome in pulmonary arterial hypertension. International Journal of Cardiology, 2016, 218, 206-211.	1.7	94
12	The role of collagen in extralobar pulmonary artery stiffening in response to hypoxia-induced pulmonary hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1823-H1831.	3.2	75
13	Transmural pressure induces matrix-degrading activity in porcine arteries ex vivo. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H2002-H2009.	3.2	73
14	MR and CT Imaging for the Evaluation ofÂPulmonary Hypertension. JACC: Cardiovascular Imaging, 2016, 9, 715-732.	5.3	72
15	Measuring right ventricular function in the normal and hypertensive mouse hearts using admittance-derived pressure-volume loops. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H2069-H2075.	3.2	69
16	Methods for Measuring Right Ventricular Function and Hemodynamic Coupling with the Pulmonary Vasculature. Annals of Biomedical Engineering, 2013, 41, 1384-1398.	2.5	69
17	Direct and indirect protection of right ventricular function by estrogen in an experimental model of pulmonary arterial hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H273-H283.	3.2	68
18	A method for dynamic system characterization using hydraulic series resistance. Lab on A Chip, 2006, 6, 639.	6.0	65

#	Article	IF	Citations
19	Surface EMG as a fatigue indicator during FES-induced isometric muscle contractions. Journal of Electromyography and Kinesiology, 1997, 7, 27-37.	1.7	62
20	17Î²-Estradiol mediates superior adaptation of right ventricular function to acute strenuous exercise in female rats with severe pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L375-L388.	2.9	61
21	Role of collagen content and cross-linking in large pulmonary arterial stiffening after chronic hypoxia. Biomechanics and Modeling in Mechanobiology, 2012, 11, 279-289.	2.8	57
22	Association Between Preterm Birth and Arrested Cardiac Growth in Adolescents and Young Adults. JAMA Cardiology, 2020, 5, 910.	6.1	56
23	The Pipeline Still Leaks and More Than You Think: A Status Report on Gender Diversity in Biomedical Engineering. Annals of Biomedical Engineering, 2010, 38, 1928-1935.	2.5	55
24	Changes in Large Pulmonary Arterial Viscoelasticity in Chronic Pulmonary Hypertension. PLoS ONE, 2013, 8, e78569.	2.5	52
25	Early Effects of Arterial Hemodynamic Conditions on Human Saphenous Veins Perfused Ex Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 1889-1895.	2.4	48
26	Progressive right ventricular functional and structural changes in a mouse model of pulmonary arterial hypertension. Physiological Reports, 2013, 1, e00184.	1.7	48
27	A Novel Paradigm for Engineering Education: Virtual Internships With Individualized Mentoring and Assessment of Engineering Thinking. Journal of Biomechanical Engineering, 2015, 137, 024701.	1.3	48
28	The Mechanobiology of Pulmonary Vascular Remodeling in the Congenital Absence of eNOS. Biomechanics and Modeling in Mechanobiology, 2006, 5, 217-225.	2.8	47
29	17Î²-estradiol and estrogen receptor Î± protect right ventricular function in pulmonary hypertension via BMPR2 and apelin. Journal of Clinical Investigation, 2021, 131, .	8.2	47
30	Characterization of CSF Hydrodynamics in the Presence and Absence of Tonsillar Ectopia by Means of Computational Flow Analysis. American Journal of Neuroradiology, 2009, 30, 941-946.	2.4	46
31	Shear stress regulation of nitric oxide production in uterine and placental artery endothelial cells: experimental studies and hemodynamic models of shear stresses on endothelial cells. International Journal of Developmental Biology, 2010, 54, 331-339.	0.6	45
32	Effects of collagen deposition on passive and active mechanical properties of large pulmonary arteries in hypoxic pulmonary hypertension. Biomechanics and Modeling in Mechanobiology, 2013, 12, 1115-1125.	2.8	45
33	Accuracy of Doppler echocardiographic estimates of pulmonary artery pressures inÂa canine model of pulmonary hypertension. Journal of Veterinary Cardiology, 2015, 17, 13-24.	0.9	45
34	Pulmonary vascular remodeling in isolated mouse lungs: Effects on pulsatile pressureâ€“flow relationships. Journal of Biomechanics, 2007, 40, 993-1001.	2.1	40
35	Non-invasive measurement using cardiovascular magnetic resonance of changes in pulmonary artery stiffness with exercise. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 109.	3.3	39
36	Estrogen maintains mitochondrial content and function in the right ventricle of rats with pulmonary hypertension. Physiological Reports, 2017, 5, e13157.	1.7	39

#	Article	IF	Citations
37	Effects of acute Rho kinase inhibition on chronic hypoxia-induced changes in proximal and distal pulmonary arterial structure and function. Journal of Applied Physiology, 2011, 110, 188-198.	2.5	38
38	Effects of ischemia and myogenic activity on active and passive mechanical properties of rat cerebral arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2268-H2275.	3.2	37
39	Collagen-related gene and protein expression changes in the lung in response to chronic hypoxia. Biomechanics and Modeling in Mechanobiology, 2009, 8, 263-272.	2.8	36
40	The Role of Collagen Synthesis in Ventricular and Vascular Adaptation to Hypoxic Pulmonary Hypertension. Journal of Biomechanical Engineering, 2013, 135, 021018.	1.3	36
41	Limiting collagen turnover via collagenase-resistance attenuates right ventricular dysfunction and fibrosis in pulmonary arterial hypertension. Physiological Reports, 2016, 4, e12815.	1.7	34
42	The effects of vasoactivity and hypoxic pulmonary hypertension on extralobar pulmonary artery biomechanics. Journal of Biomechanics, 2010, 43, 1864-1869.	2.1	33
43	Measurements of Mouse Pulmonary Artery Biomechanics. Journal of Biomechanical Engineering, 2004, 126, 309-313.	1.3	32
44	In Vivo and in Vitro Measurements of Pulmonary Arterial Stiffness: A Brief Review. Pulmonary Circulation, 2012, 2, 505-517.	1.7	31
45	A novel single-beat approach to assess right ventricular systolic function. Journal of Applied Physiology, 2018, 124, 283-290.	2.5	31
46	Citation Diversity Statement in BMES Journals. Annals of Biomedical Engineering, 2021, 49, 947-949.	2.5	31
47	Persistent vascular collagen accumulation alters hemodynamic recovery from chronic hypoxia. Journal of Biomechanics, 2012, 45, 799-804.	2.1	30
48	Mitochondria DNA mutations cause sex-dependent development of hypertension and alterations in cardiovascular function. Journal of Biomechanics, 2015, 48, 405-412.	2.1	30
49	Impact of Acute Pulmonary Embolization on Arterial Stiffening and Right Ventricular Function in Dogs. Annals of Biomedical Engineering, 2013, 41, 195-204.	2.5	29
50	Cardiac Tissue Structure, Properties, and Performance: A Materials Science Perspective. Annals of Biomedical Engineering, 2014, 42, 2003-2013.	2.5	29
51	Time course of intermittent hypoxia-induced impairments in resistance artery structure and function. Respiratory Physiology and Neurobiology, 2010, 170, 157-163.	1.6	28
52	Pulmonary vascular mechanics: important contributors to the increased right ventricular afterload of pulmonary hypertension. Experimental Physiology, 2013, 98, 1267-1273.	2.0	28
53	Non-invasive assessment of cardiac function and pulmonary vascular resistance in an canine model of acute thromboembolic pulmonary hypertension using 4D flow cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 23.	3.3	28
54	Viscoelastic Properties of Cardiovascular Tissues. , 0, , .		27

#	Article	IF	Citations
55	How to measure pulmonary vascular and right ventricular function. , 2009, 2009, 177-80.		26
56	Pulmonary artery relative area change is inversely related to ex vivo measured arterial elastic modulus in the canine model of acute pulmonary embolization. Journal of Biomechanics, 2014, 47, 2904-2910.	2.1	26
57	Hemodynamic assessment of pulmonary hypertension in mice: a model-based analysis of the disease mechanism. Biomechanics and Modeling in Mechanobiology, 2019, 18, 219-243.	2.8	26
58	Right Ventricular-Pulmonary Vascular Interactions. Physiology, 2017, 32, 346-356.	3.1	25
59	Characteristic impedance: frequency or time domain approach?. Physiological Measurement, 2018, 39, 014004.	2.1	25
60	Impaired Right Ventricularâ€“Vascular Coupling in Young Adults Born Preterm. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 615-618.	5.6	25
61	PBX transcription factors drive pulmonary vascular adaptation to birth. Journal of Clinical Investigation, 2017, 128, 655-667.	8.2	25
62	EPISTEMIC PERSISTENCE: A SIMULATION-BASED APPROACH TO INCREASING PARTICIPATION OF WOMEN IN ENGINEERING. Journal of Women and Minorities in Science and Engineering, 2014, 20, 211-234.	0.8	25
63	Point:Counterpoint: Chronic hypoxia-induced pulmonary hypertension does/does not lead to loss of pulmonary vasculature. Journal of Applied Physiology, 2007, 103, 1449-1451.	2.5	24
64	Magnetic Resonance and Computed Tomography Imaging of the Structural and Functional Changes of Pulmonary Arterial Hypertension. Journal of Thoracic Imaging, 2013, 28, 178-195.	1.5	24
65	Analysis of cardiovascular dynamics in pulmonary hypertensive C57BL6/J mice. Frontiers in Physiology, 2013, 4, 355.	2.8	24
66	Reduced haemodynamic coupling and exercise are associated with vascular stiffening in pulmonary arterial hypertension. Heart, 2017, 103, 421-427.	2.9	24
67	The effects of the ovarian cycle and pregnancy on uterine vascular impedance and uterine artery mechanics. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2009, 144, S170-S178.	1.1	23
68	17Î²-Estradiol Attenuates Conduit Pulmonary Artery Mechanical Property Changes With Pulmonary Arterial Hypertension. Hypertension, 2015, 66, 1082-1088.	2.7	22
69	Validation of an arterial constitutive model accounting for collagen content and crosslinking. Acta Biomaterialia, 2016, 31, 276-287.	8.3	22
70	Organ-level right ventricular dysfunction with preserved Frank-Starling mechanism in a mouse model of pulmonary arterial hypertension. Journal of Applied Physiology, 2018, 124, 1244-1253.	2.5	21
71	Mechanical Properties of Rat Middle Cerebral Arteries With and Without Myogenic Tone. Journal of Biomechanical Engineering, 2004, 126, 76-81.	1.3	20
72	Pulmonary Vascular Resistance and Impedance in Isolated Mouse Lungs: Effects of Pulmonary Emboli. Annals of Biomedical Engineering, 2006, 34, 660-668.	2.5	20

#	Article	IF	Citations
73	Beneficial effects of mesenchymal stem cell delivery via a novel cardiac bioscaffold on right ventricles of pulmonary arterial hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H1005-H1013.	3.2	19
74	Carotid Artery Stiffening With Aging: Structural Versus Load-Dependent Mechanisms in MESA (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	18
75	Pulmonary vascular mechanical consequences of ischemic heart failure and implications for right ventricular function. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H1167-H1177.	3.2	17
76	Impedance in Isolated Mouse Lungs for the Determination of Site of Action of Vasoactive Agents and Disease. Annals of Biomedical Engineering, 2010, 38, 1854-1861.	2.5	16
77	Impact of increased hematocrit on right ventricular afterload in response to chronic hypoxia. Journal of Applied Physiology, 2014, 117, 833-839.	2.5	16
78	Increased Red Blood Cell Stiffness Increases Pulmonary Vascular Resistance and Pulmonary Arterial Pressure. Journal of Biomechanical Engineering, 2016, 138, 021012.	1.3	16
79	Pulmonary arterial strain- and remodeling-induced stiffening are differentiated in a chronic model of pulmonary hypertension. Journal of Biomechanics, 2017, 55, 92-98.	2.1	16
80	Estrogen receptor-Î± prevents right ventricular diastolic dysfunction and fibrosis in female rats. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1459-H1473.	3.2	16
81	Multiscale structure-function relationships in right ventricular failure due to pressure overload. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H699-H708.	3.2	15
82	Influence of image segmentation on one-dimensional fluid dynamics predictions in the mouse pulmonary arteries. Journal of the Royal Society Interface, 2019, 16, 20190284.	3.4	15
83	Exogenous Estrogen Preserves Distal Pulmonary Arterial Mechanics and Prevents Pulmonary Hypertension in Rats. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 371-374.	5.6	15
84	On Belay: Peerâ€Mentoring and Adventure Education for Women Faculty in Engineering. Journal of Engineering Education, 2003, 92, 257-262.	3.0	13
85	Pulmonary vascular collagen content, not cross-linking, contributes to right ventricular pulsatile afterload and overload in early pulmonary hypertension. Journal of Applied Physiology, 2017, 122, 253-263.	2.5	13
86	Stretch calculated from grip distance accurately approximates mid-specimen stretch in large elastic arteries in uniaxial tensile tests. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 47, 107-113.	3.1	12
87	Numerical predictions of shear stress and cyclic stretch in pulmonary hypertension due to left heart failure. Biomechanics and Modeling in Mechanobiology, 2022, 21, 363-381.	2.8	12
88	Particle Deposition in Arteries Ex Vivo: Effects of Pressure, Flow, and Waveform. Journal of Biomechanical Engineering, 2003, 125, 389-394.	1.3	11
89	Human respiratory mechanics demonstration model. American Journal of Physiology - Advances in Physiology Education, 2009, 33, 53-59.	1.6	11
90	Heterogeneous mechanics of the mouse pulmonary arterial network. Biomechanics and Modeling in Mechanobiology, 2016, 15, 1245-1261.	2.8	11

#	Article	IF	Citations
91	Estrogen Preserves Pulsatile Pulmonary Arterial Hemodynamics in Pulmonary Arterial Hypertension. Annals of Biomedical Engineering, 2017, 45, 632-643.	2.5	11
92	A How-To Guide for Promoting Diversity and Inclusion in Biomedical Engineering. Annals of Biomedical Engineering, 2019, 47, 1167-1170.	2.5	11
93	Exaggerated Cardiac Contractile Response to Hypoxia in Adults Born Preterm. Journal of Clinical Medicine, 2021, 10, 1166.	2.4	11
94	Diagnosis and Treatment of Right Heart Failure in Pulmonary Vascular Diseases: A National Heart, Lung, and Blood Institute Workshop. Circulation: Heart Failure, 2021, 14, .	3.9	11
95	Transmission line models to simulate the impedance of the uterine vasculature during the ovarian cycle and pregnancy. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2009, 144, S184-S191.	1.1	10
96	Patchy deletion of Bmpr1a potentiates proximal pulmonary artery remodeling in mice exposed to chronic hypoxia. Biomechanics and Modeling in Mechanobiology, 2013, 12, 33-42.	2.8	10
97	Exercise-Induced Changes in Pulmonary Artery Stiffness in Pulmonary Hypertension. Frontiers in Physiology, 2019, 10, 269.	2.8	9
98	A Large Animal Model of Right Ventricular Failure due to Chronic Thromboembolic Pulmonary Hypertension: A Focus on Function. Frontiers in Cardiovascular Medicine, 2019, 5, 189.	2.4	9
99	Characterization of the Isolated, Ventilated, and Instrumented Mouse Lung Perfused with Pulsatile Flow. Journal of Visualized Experiments, 2011, , .	0.3	8
100	Low Cost Magnetic Resonance Imaging-Compatible Stepper Exercise Device for Use in Cardiac Stress Tests. Journal of Medical Devices, Transactions of the ASME, 2014, 8, 0450021-450028.	0.7	8
101	Multiscale Computational Analysis of Right Ventricular Mechanoenergetics. Journal of Biomechanical Engineering, 2018, 140, .	1.3	8
102	Know Your Limitations: Assumptions in the Single-Beat Method for Estimating Right Ventricularâ€“Pulmonary Vascular Coupling. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 707-709.	5.6	8
103	Pulmonary vascular distensibility with passive leg raise is comparable to exercise and predictive of clinical outcomes in pulmonary hypertension. Pulmonary Circulation, 2022, 12, e12029.	1.7	7
104	How to measure peripheral pulmonary vascular mechanics. , 2009, 2009, 173-6.		6
105	What Does the Time Constant of the Pulmonary Circulation Tell us about the Progression of Right Ventricular Dysfunction in Pulmonary Arterial Hypertension?. Pulmonary Circulation, 2015, 5, 291-295.	1.7	6
106	Impaired Myofilament Contraction Drives Right Ventricular Failure Secondary to Pressure Overload: Model Simulations, Experimental Validation, and Treatment Predictions. Frontiers in Physiology, 2018, 9, 731.	2.8	6
107	Pressure-Induced Vector Transport in Human Saphenous Vein. Annals of Biomedical Engineering, 2005, 33, 202-208.	2.5	5
108	Blood Pressure, Artery Size, and Artery Compliance Parallel Bone Size and Strength in Mice With Differing Ece1 Expression. Journal of Biomechanical Engineering, 2013, 135, 61003-9.	1.3	5

#	Article	IF	Citations
109	Comparison of Approaches to Quantify Arterial Damping Capacity From Pressurization Tests on Mouse Conduit Arteries. Journal of Biomechanical Engineering, 2013, 135, 54504.	1.3	5
110	Development of concept-based physiology lessons for biomedical engineering undergraduate students. American Journal of Physiology - Advances in Physiology Education, 2013, 37, 176-183.	1.6	5
111	A Novel In Vivo Approach to Assess Radial and Axial Distensibility of Large and Intermediate Pulmonary Artery Branches. Journal of Biomechanical Engineering, 2015, 137, 044501.	1.3	5
112	MRI assessment of aortic flow in patients with pulmonary arterial hypertension in response to exercise. BMC Medical Imaging, 2018, 18, 55.	2.7	5
113	Dobutamine stress MRI in pulmonary hypertension: relationships between stress pulmonary artery relative area change, RV performance, and 10â€year survival. Pulmonary Circulation, 2017, 7, 465-475.	1.7	4
114	Susceptibility to high-altitude pulmonary edema is associated with increased pulmonary arterial stiffness during exercise. Journal of Applied Physiology, 2020, 128, 514-522.	2.5	4
115	Multimodality Deep Phenotyping Methods to Assess Mechanisms of Poor Right Ventricularâ€“Pulmonary Artery Coupling. Function, 2022, 3, .	2.3	4
116	The stronger sex, until menopause: understanding the impact of estrogen loss on heart function. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H128-H129.	3.2	4
117	Performance Analysis of a Cardiac Assist Device in Counterpulsation. Journal of Biomechanical Engineering, 1998, 120, 437-445.	1.3	3
118	A Virtual Hemodialyzer Design Project for First-Year Engineers: An Epistemic Game Approach. , 2010, , .		3
119	Interferon-Î²â€“Induced Pulmonary Arterial Hypertension. JACC: Case Reports, 2021, 3, 1038-1043.	0.6	3
120	Decreased ventricular size and mass mediate the reduced exercise capacity in adolescents and adults born premature. Early Human Development, 2021, 160, 105426.	1.8	3
121	Pulmonary Vascular Mechanics. , 2011, , 73-89.		3
122	Hydrostatic Pressure Controls Angiogenesis Through Endothelial YAP1 During Lung Regeneration. Frontiers in Bioengineering and Biotechnology, 2022, 10, 823642.	4.1	3
123	Work in progress - assessing adaptive expertise in physiology using online challenge modules in biofluids. , 2009, , .		2
124	Changes in Conduit Pulmonary Arterial Static and Dynamic Mechanical Properties During Severe Hypoxic Pulmonary Hypertension. , 2012, , .		2
125	Cardiovascular Function and Structure are Preserved Despite Induced Ablation of BMP1-Related Proteinases. Cellular and Molecular Bioengineering, 2018, 11, 255-266.	2.1	2
126	Dynamic FDG PET Imaging to Probe for Cardiac Metabolic Remodeling in Adults Born Premature. Journal of Clinical Medicine, 2021, 10, 1301.	2.4	2

#	Article	IF	Citations
127	Sex Differences in Right Ventricular Adaptation to Pressure Overload in a Rat Model. Journal of Applied Physiology, 2022, , .	2.5	2
128	Hemodynamics and atherosclerosis. , 2001, , 134-151.		1
129	Dataâ€enabled cognitive modeling: Validating student engineersâ€™ fuzzy designâ€based decisionâ€making in a virtual design problem. Computer Applications in Engineering Education, 2017, 25, 1001-1017.	3.4	1
130	Measuring the Complexity of Simulated Engineering Design Problems. , 0, , .		1
131	Development of a PET/MRI exercise stress test for determining cardiac glucose dependence in pulmonary arterial hypertension. Pulmonary Circulation, 2022, 12, e12025.	1.7	1
132	Increased RV:LV ratio on chest CT-angiogram in COVID-19 is a marker of adverse outcomes. Egyptian Heart Journal, 2022, 74, 37.	1.2	1
133	Diffuse Myocardial Fibrosis at Cardiac MRI in Young Adults Born Prematurely: A Cross-sectional Cohort Study. Radiology: Cardiothoracic Imaging, 2022, 4, .	2.5	1
134	The Role of Collagen Synthesis in Ventricular and Vascular Adaptation to Hypoxic Pulmonary Hypertension. , 2012, , .		0
135	Right Ventricular Dysfunction in Pulmonary Arterial Hypertension: Cellular and Hemodynamic Changes in a Mouse Model. , 2013, , .		0
136	RescuShell: A Biomechanical Design Epistemic Game for First-Year Engineering Education and Potentially Increased Retention of Women. , 2013, , .		0
137	Inducing valvular regurgitation in mice via thermal ablation of cardiac valves. , 2014, 2014, 5663-6.		0
138	Exercise cardiac MR assessment of diastolic function. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	3.3	0
139	Letter to the Editor. Journal of Veterinary Internal Medicine, 2016, 30, 925-925.	1.6	0
140	Reply to Tello et al.: Pending Right Heart Failure in Healthy Preterm-Born Subjects?. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1009-1010.	5.6	0
141	Effects of Red Blood Cell Sickling on Right Ventricular Afterload in vivo. Experimental Mechanics, 2021, 61, 229-235.	2.0	0
142	Mechanical Properties of Active and Passive Rat Middle Cerebral Arteries. , 2002, , .		0
143	Ex Vivo Measurement of Mouse Pulmonary Artery Biomechanics. , 2002, , .		0
144	Hypoxia-Induced Changes in the Mechanical Properties of the Mouse Pulmonary Artery. , 2003, , .		0

#	Article	IF	Citations
145	Measurement of Pulmonary Impedance in Live Mice and Changes With Chronic Hypoxia. , 2010, , .		0
146	Role of Collagen Content and Cross-Linking in Large Pulmonary Arterial Stiffening During Hypoxic Pulmonary Hypertension. , 2010, , .		0
147	Right Ventricular Response to Pulmonary Arterial Stiffening in a Canine Model of Acute Embolization. , 2012, , .		0
148	Sex Differences in Right Ventricular-Vascular Coupling and Pulmonary Artery Impedance in Response to Chronic Hypoxia and Recovery. , 2012, , .		0
149	Effects of Estrogen on Pulmonary Vascular Remodeling in Pulmonary Artery Hypertension. , 2013, , .		0
150	GBT440 Increases Hematocrit and Improves Biventricular Function in Berkeley Sickle Cell Disease Mice. Journal of Biomechanical Engineering, 2021, 143, .	1.3	0
151	In-vivo and Ex-vivo Characterization of Estrogen Receptor Î± (ERÎ±)-Mediated Effects on the Pulmonary Vasculature in PH. Journal of the American College of Surgeons, 2021, 233, S42.	0.5	0
152	Non-invasive estimation of pulmonary hemodynamics from 2D-PC MRI with an arterial mechanics method. Journal of Biomechanics, 2021, 129, 110856.	2.1	0