

# Rachel C Childers

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2122062/publications.pdf>

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9  
papers

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citations

1937685

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Paired Pressure-Volume Loop Analysis and Biaxial Mechanical Testing Characterize Differences in Left Ventricular Tissue Stiffness of Volume Overload and Angiotensin-Induced Pressure Overload Hearts. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	1.3	2
2	Decreased Substrate Stiffness Promotes a Hypofibrotic Phenotype in Cardiac Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6231.	4.1	8
3	An investigation of the glycosaminoglycan contribution to biaxial mechanical behaviours of porcine atrioventricular heart valve leaflets. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190069.	3.4	16
4	Role of the cytoskeleton in the development of a hypofibrotic cardiac fibroblast phenotype in volume overload heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H596-H608.	3.2	18
5	Arterial Levels of Oxygen Stimulate Intimal Hyperplasia in Human Saphenous Veins via a ROS-Dependent Mechanism. <i>PLoS ONE</i> , 2015, 10, e0120301.	2.5	10
6	Substrate Stiffness Regulates Cardiac Fibroblast Phenotype in Volume Overload Induced Heart Failure. <i>FASEB Journal</i> , 2015, 29, 1045.3.	0.5	0
7	Board 12: Work in Progress: An Economical and Open-source Mechanical Testing Device for Biomaterials in an Undergraduate Biomechanics Laboratory Course. , 0, , .		0
8	A Gold Nanoparticle-based Lab Experiment Sequence to Enhance Learning in Biomedical Nanotechnology at the Undergraduate Level. , 0, , .		0
9	How Does Enrollment Management Affect Student Population Diversity in Biomedical Engineering?. , 0, , .		0