

Sarah M Wells

List of Publications by Year in descending order

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17
papers

376
citations

759055

12
h-index

940416

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17
all docs

17
docs citations

17
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitral valve leaflet remodelling during pregnancy: insights into cell-mediated recovery of tissue homeostasis. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160709.	1.5	45
2	Determinants of mechanical properties in the developing ovine thoracic aorta. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H1385-H1391.	1.5	44
3	Effects of fixation pressure on the biaxial mechanical behavior of porcine bioprosthetic heart valves with long-term cyclic loading. <i>Biomaterials</i> , 2002, 23, 2389-2399.	5.7	41
4	Pregnancy-Induced Remodeling of Collagen Architecture and Content in the Mitral Valve. <i>Annals of Biomedical Engineering</i> , 2014, 42, 2058-2071.	1.3	40
5	Cyclic loading response of bioprosthetic heart valves: effects of fixation stress state on the collagen fiber architecture. <i>Biomaterials</i> , 2005, 26, 2611-2619.	5.7	39
6	Thermomechanical analysis of collagen crosslinking in the developing ovine thoracic aorta. <i>Biorheology</i> , 1998, 35, 399-414.	1.2	25
7	Sinoatrial Node Structure, Mechanics, Electrophysiology and the Chronotropic Response to Stretch in Rabbit and Mouse. <i>Frontiers in Physiology</i> , 2020, 11, 809.	1.3	25
8	In vivo and in vitro mechanical properties of the sheep thoracic aorta in the perinatal period and adulthood. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H1749-H1760.	1.5	23
9	Physiological remodeling of the mitral valve during pregnancy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H878-H892.	1.5	21
10	Changes in the Mechanical Properties and Residual Strain of Elastic Tissue in the Developing Fetal Aorta. <i>Annals of Biomedical Engineering</i> , 2010, 38, 345-356.	1.3	20
11	Pregnancy-induced remodeling of heart valves. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1565-H1578.	1.5	18
12	Biaxial Creep Resistance and Structural Remodeling of the Aortic and Mitral Valves in Pregnancy. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1772-1785.	1.3	17
13	Differential Changes in the Molecular Stability of Collagen from the Pulmonary and Aortic Valves During the Fetal-to-Neonatal Transition. <i>Annals of Biomedical Engineering</i> , 2010, 38, 3000-3009.	1.3	11
14	Differential Biomechanical Development of Elastic Tissues in the Bovine Fetus. <i>Annals of Biomedical Engineering</i> , 2010, 38, 1626-1646.	1.3	4
15	Structural-Mechanical Changes in the Pericardium During Pregnancy. <i>Cardiovascular Engineering and Technology</i> , 2013, 4, 39-52.	0.7	1
16	Remodelling Potential of the Mitral Heart Valve Leaflet. , 2018, , 181-206.		1
17	Ramped versus stepwise thermoelastic testing of latex and elastic tissues. <i>Biomedical Sciences Instrumentation</i> , 2007, 43, 206-11.	0.2	1