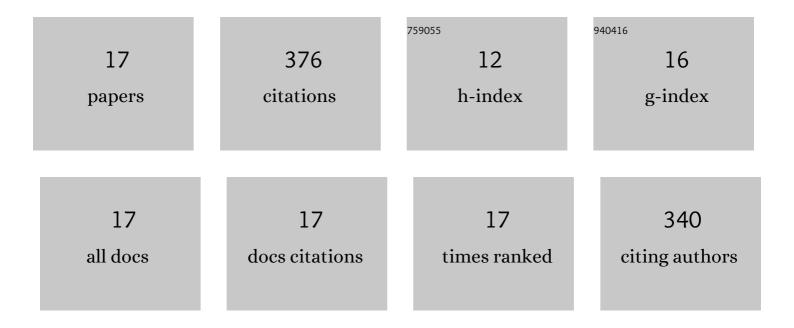
Sarah M Wells

List of Publications by Year in descending order

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SADAH M WIELIS

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mitral valve leaflet remodelling during pregnancy: insights into cell-mediated recovery of tissue homeostasis. Journal of the Royal Society Interface, 2016, 13, 20160709. | 1.5 | 45 |
| 2 | Determinants of mechanical properties in the developing ovine thoracic aorta. American Journal of Physiology - Heart and Circulatory Physiology, 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. Biomaterials, 2002, 23, 2389-2399. | 5.7 | 41 |
| 4 | Pregnancy-Induced Remodeling of Collagen Architecture and Content in the Mitral Valve. Annals of Biomedical Engineering, 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. Biomaterials, 2005, 26, 2611-2619. | 5.7 | 39 |
| 6 | Thermomechanical analysis of collagen crosslinking in the developing ovine thoracic aorta. Biorheology, 1998, 35, 399-414. | 1.2 | 25 |
| 7 | Sinoatrial Node Structure, Mechanics, Electrophysiology and the Chronotropic Response to Stretch in Rabbit and Mouse. Frontiers in Physiology, 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. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H1749-H1760. | 1.5 | 23 |
| 9 | Physiological remodeling of the mitral valve during pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H878-H892. | 1.5 | 21 |
| 10 | Changes in the Mechanical Properties and Residual Strain of Elastic Tissue in the Developing Fetal Aorta. Annals of Biomedical Engineering, 2010, 38, 345-356. | 1.3 | 20 |
| 11 | Pregnancy-induced remodeling of heart valves. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1565-H1578. | 1.5 | 18 |
| 12 | Biaxial Creep Resistance and Structural Remodeling of the Aortic and Mitral Valves in Pregnancy. Annals of Biomedical Engineering, 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. Annals of Biomedical Engineering, 2010, 38, 3000-3009. | 1.3 | 11 |
| 14 | Differential Biomechanical Development of Elastic Tissues in the Bovine Fetus. Annals of Biomedical Engineering, 2010, 38, 1626-1646. | 1.3 | 4 |
| 15 | Structural-Mechanical Changes in the Pericardium During Pregnancy. Cardiovascular Engineering and Technology, 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. Biomedical Sciences Instrumentation, 2007, 43, 206-11. | 0.2 | 1 |