# Kristin S Miller

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4053521/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 37 papers | 1,017 citations | 623734 14 h-index | 434195 31 g-index |
| 37 all docs | 37 docs citations | 37 times ranked | 1158 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of fiber distribution and realignment on the nonlinear and inhomogeneous mechanical properties of human supraspinatus tendon under longitudinal tensile loading. Journal of Orthopaedic Research, 2009, 27, 1596-1602. | 2.3 | 259 |
| 2 | Tensile properties and fiber alignment of human supraspinatus tendon in the transverse direction demonstrate inhomogeneity, nonlinearity, and regional isotropy. Journal of Biomechanics, 2010, 43, 727-732. | 2.1 | 127 |
| 3 | Characterizing local collagen fiber re-alignment and crimp behavior throughout mechanical testing in a mature mouse supraspinatus tendon model. Journal of Biomechanics, 2012, 45, 2061-2065. | 2.1 | 84 |
| 4 | New insights into arterial stiffening: does sex matter?. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1073-H1087. | 3.2 | 72 |
| 5 | Development and evaluation of multiple tendon injury models in the mouse. Journal of Biomechanics, 2012, 45, 1550-1553. | 2.1 | 61 |
| 6 | Biomechanical Diversity Despite Mechanobiological Stability in Tissue Engineered Vascular Grafts Two Years Post-Implantation. Tissue Engineering - Part A, 2015, 21, 1529-1538. | 3.1 | 47 |
| 7 | GPER activation ameliorates aortic remodeling induced by salt-sensitive hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H953-H961. | 3.2 | 41 |
| 8 | Characterization of evolving biomechanical properties of tissue engineered vascular grafts in the arterial circulation. Journal of Biomechanics, 2014, 47, 2070-2079. | 2.1 | 39 |
| 9 | G Protein-Coupled Estrogen Receptor Protects From Angiotensin II-Induced Increases in Pulse Pressure and Oxidative Stress. Frontiers in Endocrinology, 2019, 10, 586. | 3.5 | 37 |
| 10 | Smooth muscle regional contribution to vaginal wall function. Interface Focus, 2019, 9, 20190025. | 3.0 | 32 |
| 11 | Collagen Fiber Re-Alignment in a Neonatal Developmental Mouse Supraspinatus Tendon Model. Annals of Biomedical Engineering, 2012, 40, 1102-1110. | 2.5 | 30 |
| 12 | Biaxial Mechanical Assessment of the Murine Vaginal Wall Using Extensionâ€“Inflation Testing. Journal of Biomechanical Engineering, 2017, 139, . | 1.3 | 24 |
| 13 | A novel patient-derived xenograft model for claudin-low triple-negative breast cancer. Breast Cancer Research and Treatment, 2018, 169, 381-390. | 2.5 | 19 |
| 14 | Sex differences in vascular aging and impact of GPER deletion. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H336-H349. | 3.2 | 17 |
| 15 | Evaluating residual strain throughout the murine female reproductive system. Journal of Biomechanics, 2019, 82, 299-306. | 2.1 | 14 |
| 16 | Effects of Elastase Digestion on the Murine Vaginal Wall Biaxial Mechanical Response. Journal of Biomechanical Engineering, 2019, 141, . | 1.3 | 14 |
| 17 | The upper band of the subscapularis tendon in the rat has altered mechanical and histologic properties. Journal of Shoulder and Elbow Surgery, 2012, 21, 1687-1693. | 2.6 | 12 |
| 18 | Evaluation of microstructurally motivated constitutive models to describe age-dependent tendon healing. Biomechanics and Modeling in Mechanobiology, 2018, 17, 793-814. | 2.8 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Bayesian inference of constitutive model parameters from uncertain uniaxial experiments on murine tendons. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 285-300. | 3.1 | 12 |
| 20 | Sex and the G Proteinâ€“Coupled Estrogen Receptor Impact Vascular Stiffness. Hypertension, 2021, 78, e1-e14. | 2.7 | 9 |
| 21 | Comparison of Biaxial Biomechanical Properties of Post-menopausal Human Prolapsed and Non-prolapsed Uterosacral Ligament. Scientific Reports, 2020, 10, 7386. | 3.3 | 8 |
| 22 | Cervical pathways for racial disparities in preterm births: the Preterm Prediction Study. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 4022-4028. | 1.5 | 7 |
| 23 | Biaxial biomechanical properties of the nonpregnant murine cervix and uterus. Journal of Biomechanics, 2019, 94, 39-48. | 2.1 | 6 |
| 24 | Acellular Biologic Nippleâ€“Areolar Complex Graft: In Vivo Murine and Nonhuman Primate Host Response Evaluation. Tissue Engineering - Part A, 2020, 26, 872-885. | 3.1 | 5 |
| 25 | Investigation of Murine Vaginal Creep Response to Altered Mechanical Loads. Journal of Biomechanical Engineering, 2021, 143, . | 1.3 | 4 |
| 26 | Role of fibulin-5 insufficiency and prolapse progression on murine vaginal biomechanical function. Scientific Reports, 2021, 11, 20956. | 3.3 | 4 |
| 27 | History-Dependent Deformations of Rat Vaginas under Inflation. Integrative and Comparative Biology, 2022, 62, 625-640. | 2.0 | 4 |
| 28 | Bioengineering in women's health: part I. Interface Focus, 2019, 9, 20190042. | 3.0 | 3 |
| 29 | Biaxial Basal Tone and Passive Testing of the Murine Reproductive System Using a Pressure Myograph. Journal of Visualized Experiments, 2019, , . | 0.3 | 3 |
| 30 | Bioengineering in women's health, volume 2: pregnancyâ€”from implantation to parturition. Interface Focus, 2019, 9, 20190081. | 3.0 | 2 |
| 31 | The Role of Biaxial Loading on Smooth Muscle Contractility in the Nulliparous Murine Cervix. Annals of Biomedical Engineering, 2021, 49, 1874-1887. | 2.5 | 2 |
| 32 | Pelvic Organ Prolapse: A Review of In Vitro Testing of Pelvic Support Mechanisms. Ochsner Journal, 2020, 20, 410-418. | 1.1 | 2 |
| 33 | Biomechanics of pregnancy and vaginal delivery. Current Opinion in Biomedical Engineering, 2022, 22, 100386. | 3.4 | 2 |
| 34 | A Theoretically Informed Approach to Support the Implementation of Pre-Operative Anemia and Iron Deficiency Screening, Evaluation, and Management Pathways: Protocol for a Type Two Hybrid-Effectiveness Study. Journal of Multidisciplinary Healthcare, 2021, Volume 14, 1037-1044. | 2.7 | 1 |
| 35 | Human adipose-derived stromal/stem cells expressing doublecortin improve cartilage repair in rabbits and monkeys. Npj Regenerative Medicine, 2021, 6, 82. | 5.2 | 1 |
| 36 | Biaxial Murine Vaginal Remodeling With Reproductive Aging. Journal of Biomechanical Engineering, 2022, 144, . | 1.3 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Aging and G Proteinâ€Coupled Estrogen Receptor Exacerbates Carotid Artery Structural Remodeling. FASEB Journal, 2022, 36, . | 0.5 | 0 |