

Kristin S Miller

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,017
citations

623188

14
h-index

433756

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. <i>Journal of Orthopaedic Research</i> , 2009, 27, 1596-1602.	1.2	259
2	Tensile properties and fiber alignment of human supraspinatus tendon in the transverse direction demonstrate inhomogeneity, nonlinearity, and regional isotropy. <i>Journal of Biomechanics</i> , 2010, 43, 727-732.	0.9	127
3	Characterizing local collagen fiber re-alignment and crimp behavior throughout mechanical testing in a mature mouse supraspinatus tendon model. <i>Journal of Biomechanics</i> , 2012, 45, 2061-2065.	0.9	84
4	New insights into arterial stiffening: does sex matter?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1073-H1087.	1.5	72
5	Development and evaluation of multiple tendon injury models in the mouse. <i>Journal of Biomechanics</i> , 2012, 45, 1550-1553.	0.9	61
6	Biomechanical Diversity Despite Mechanobiological Stability in Tissue Engineered Vascular Grafts Two Years Post-Implantation. <i>Tissue Engineering - Part A</i> , 2015, 21, 1529-1538.	1.6	47
7	GPER activation ameliorates aortic remodeling induced by salt-sensitive hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H953-H961.	1.5	41
8	Characterization of evolving biomechanical properties of tissue engineered vascular grafts in the arterial circulation. <i>Journal of Biomechanics</i> , 2014, 47, 2070-2079.	0.9	39
9	G Protein-Coupled Estrogen Receptor Protects From Angiotensin II-Induced Increases in Pulse Pressure and Oxidative Stress. <i>Frontiers in Endocrinology</i> , 2019, 10, 586.	1.5	37
10	Smooth muscle regional contribution to vaginal wall function. <i>Interface Focus</i> , 2019, 9, 20190025.	1.5	32
11	Collagen Fiber Re-Alignment in a Neonatal Developmental Mouse Supraspinatus Tendon Model. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1102-1110.	1.3	30
12	Biaxial Mechanical Assessment of the Murine Vaginal Wall Using Extension-Inflation Testing. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	24
13	A novel patient-derived xenograft model for claudin-low triple-negative breast cancer. <i>Breast Cancer Research and Treatment</i> , 2018, 169, 381-390.	1.1	19
14	Sex differences in vascular aging and impact of GPER deletion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H336-H349.	1.5	17
15	Evaluating residual strain throughout the murine female reproductive system. <i>Journal of Biomechanics</i> , 2019, 82, 299-306.	0.9	14
16	Effects of Elastase Digestion on the Murine Vaginal Wall Biaxial Mechanical Response. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	0.6	14
17	The upper band of the subscapularis tendon in the rat has altered mechanical and histologic properties. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 1687-1693.	1.2	12
18	Evaluation of microstructurally motivated constitutive models to describe age-dependent tendon healing. <i>Biomechanics and Modeling in Mechanobiology</i> , 2018, 17, 793-814.	1.4	12

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19	Bayesian inference of constitutive model parameters from uncertain uniaxial experiments on murine tendons. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 96, 285-300.	1.5	12
20	Sex and the G Protein-coupled Estrogen Receptor Impact Vascular Stiffness. <i>Hypertension</i> , 2021, 78, e1-e14.	1.3	9
21	Comparison of Biaxial Biomechanical Properties of Post-menopausal Human Prolapsed and Non-prolapsed Uterosacral Ligament. <i>Scientific Reports</i> , 2020, 10, 7386.	1.6	8
22	Cervical pathways for racial disparities in preterm births: the Preterm Prediction Study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 4022-4028.	0.7	7
23	Biaxial biomechanical properties of the nonpregnant murine cervix and uterus. <i>Journal of Biomechanics</i> , 2019, 94, 39-48.	0.9	6
24	Acellular Biologic Nipple-Areolar Complex Graft: <i>In Vivo</i> Murine and Nonhuman Primate Host Response Evaluation. <i>Tissue Engineering - Part A</i> , 2020, 26, 872-885.	1.6	5
25	Investigation of Murine Vaginal Creep Response to Altered Mechanical Loads. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	0.6	4
26	Role of fibulin-5 insufficiency and prolapse progression on murine vaginal biomechanical function. <i>Scientific Reports</i> , 2021, 11, 20956.	1.6	4
27	History-Dependent Deformations of Rat Vaginas under Inflation. <i>Integrative and Comparative Biology</i> , 2022, 62, 625-640.	0.9	4
28	Bioengineering in women's health: part I. <i>Interface Focus</i> , 2019, 9, 20190042.	1.5	3
29	Biaxial Basal Tone and Passive Testing of the Murine Reproductive System Using a Pressure Myograph. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	3
30	Bioengineering in women's health, volume 2: pregnancy-from implantation to parturition. <i>Interface Focus</i> , 2019, 9, 20190081.	1.5	2
31	The Role of Biaxial Loading on Smooth Muscle Contractility in the Nulliparous Murine Cervix. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1874-1887.	1.3	2
32	Pelvic Organ Prolapse: A Review of In Vitro Testing of Pelvic Support Mechanisms. <i>Ochsner Journal</i> , 2020, 20, 410-418.	0.5	2
33	Biomechanics of pregnancy and vaginal delivery. <i>Current Opinion in Biomedical Engineering</i> , 2022, 22, 100386.	1.8	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. <i>Journal of Multidisciplinary Healthcare</i> , 2021, Volume 14, 1037-1044.	1.1	1
35	Human adipose-derived stromal/stem cells expressing doublecortin improve cartilage repair in rabbits and monkeys. <i>Npj Regenerative Medicine</i> , 2021, 6, 82.	2.5	1
36	Biaxial Murine Vaginal Remodeling With Reproductive Aging. <i>Journal of Biomechanical Engineering</i> , 2022, 144, .	0.6	1

#	ARTICLE	IF	CITATIONS
37	Aging and G Proteinâ€Coupled Estrogen Receptor Exacerbates Carotid Artery Structural Remodeling. FASEB Journal, 2022, 36, .	0.2	0