

# Kristine M Fischenich

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

280  
citations

932766

10  
h-index

940134

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of degeneration on the compressive and tensile properties of human meniscus. <i>Journal of Biomechanics</i> , 2015, 48, 1407-1411.	0.9	50
2	An optimized transversely isotropic, hyper-poro-viscoelastic finite element model of the meniscus to evaluate mechanical degradation following traumatic loading. <i>Journal of Biomechanics</i> , 2015, 48, 1454-1460.	0.9	28
3	Biomimetic and mechanically supportive 3D printed scaffolds for cartilage and osteochondral tissue engineering using photopolymers and digital light processing. <i>Biofabrication</i> , 2021, 13, 044106.	3.7	26
4	Evaluation of Meniscal Mechanics and Proteoglycan Content in a Modified Anterior Cruciate Ligament Transection Model. <i>Journal of Biomechanical Engineering</i> , 2014, 136, .	0.6	25
5	Chronic changes in the articular cartilage and meniscus following traumatic impact to the lapine knee. <i>Journal of Biomechanics</i> , 2015, 48, 246-253.	0.9	25
6	Dynamic compression of human and ovine meniscal tissue compared with a potential thermoplastic elastomer hydrogel replacement. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2722-2728.	2.1	21
7	Mechanical viability of a thermoplastic elastomer hydrogel as a soft tissue replacement material. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 79, 341-347.	1.5	20
8	Comparison of two models of post-traumatic osteoarthritis; temporal degradation of articular cartilage and menisci. <i>Journal of Orthopaedic Research</i> , 2017, 35, 486-495.	1.2	17
9	Experimental animal models of post-traumatic osteoarthritis of the knee. <i>Orthopedic Reviews</i> , 2020, 12, 8448.	0.3	13
10	Human articular cartilage is orthotropic where microstructure, micromechanics, and chemistry vary with depth and split-line orientation. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 1362-1372.	0.6	12
11	Efficacy of P188 on lapine meniscus preservation following blunt trauma. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 47, 57-64.	1.5	11
12	A study of acute and chronic tissue changes in surgical and traumatically-induced experimental models of knee joint injury using magnetic resonance imaging and micro-computed tomography. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 561-569.	0.6	8
13	Nanostructure-Driven Replication of Soft Tissue Biomechanics in a Thermoplastic Elastomer Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3854-3863.	2.6	7
14	A Hydrogel Meniscal Replacement: Knee Joint Pressure and Distribution in an Ovine Model Compared to Native Tissue. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1785-1796.	1.3	7
15	Assessment and prevention of cartilage degeneration surrounding a focal chondral defect in the porcine model. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 940-945.	1.0	4
16	Epidemiological study of failures of the Jaipur Foot. <i>Disability and Rehabilitation: Assistive Technology</i> , 2018, 13, 740-744.	1.3	3
17	Assessment of the compressive and tensile mechanical properties of materials used in the Jaipur Foot prosthesis. <i>Prosthetics and Orthotics International</i> , 2018, 42, 511-517.	0.5	2
18	Material properties and strain distribution patterns of bovine growth plate cartilage vary with anatomic location and depth. <i>Journal of Biomechanics</i> , 2022, 134, 111013.	0.9	1

#	ARTICLE	IF	CITATIONS
19	The Effect of Anterior Cruciate Ligament Reconstruction with an Electropun Scaffold on Tibiofemoral Contact Mechanics. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3748-3759.	1.3	0
20	Evaluation of Menisci Following a Compressive Tibiofemoral Load. , 2013, , .		0
21	Improvement of an International Research Experience: Year Two. , 0, , .		0