

# 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  | 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         |
| 2  | 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        |
| 3  | 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         |
| 4  | Experimental animal models of post-traumatic osteoarthritis of the knee. <i>Orthopedic Reviews</i> , 2020, 12, 8448.  | 0.3 | 13        |
| 5  | 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        |
| 6  | 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         |
| 7  | 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         |
| 8  | Epidemiological study of failures of the Jaipur Foot. <i>Disability and Rehabilitation: Assistive Technology</i> , 2018, 13, 740-744.   | 1.3 | 3         |
| 9  | 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        |
| 10 | 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         |
| 11 | 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         |
| 12 | 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        |
| 13 | 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        |
| 14 | 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         |
| 15 | 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        |
| 16 | Effects of degeneration on the compressive and tensile properties of human meniscus. <i>Journal of Biomechanics</i> , 2015, 48, 1407-1411.  | 0.9 | 50        |
| 17 | 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        |
| 18 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Evaluation of Meniscal Mechanics and Proteoglycan Content in a Modified Anterior Cruciate Ligament Transection Model. Journal of Biomechanical Engineering, 2014, 136, . | 0.6 | 25        |
| 20 | Evaluation of Menisci Following a Compressive Tibiofemoral Load. , 2013, , .   |     | 0         |
| 21 | Improvement of an International Research Experience: Year Two. , 0, , .  |     | 0         |