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### 2021

**Activation of TRPV4 by mechanical, osmotic or pharmaceutical stimulation is anti-inflammatory blocking IL-1 $\beta$  mediated articular cartilage matrix destruction.**

Fu S, Meng H, Inamdar S, Das B, Gupta H, Wang W, Thompson C and Knight M. *Osteoarthritis and Cartilage*. Block JA. Elsevier.

### 2019

**Proteoglycan degradation mimics static compression by altering the natural gradients in fibrillar organisation in cartilage.**

Inamdar SR, Barbieri E, Terrill NJ, Knight MM and Gupta HS. *Acta Biomaterialia* vol. 97, 437-450. Elsevier.

### 2017

**The Secret Life of Collagen: Temporal Changes in Nanoscale Fibrillar Pre-Strain and Molecular Organization During Physiological Loading of Cartilage.**

Inamdar SR, Knight DP, Terrill NJ, Karunaratne A, Cacho-Nerin F, Knight MM and Gupta HS. *Acs Nano*.

### 2012

**Cell mechanics, structure, and function are regulated by the stiffness of the three-dimensional microenvironment.**

Chen J, Irianto J, Inamdar S, Pravin Kumar P, Lee DA, Bader DL and Knight MM. *Biophys J* vol. 103, (6) 1188-1197.