PUBLICATIONS

- **A Thermal and Biological Analysis of Bone Drilling.** *Journal of biomechanical engineering*
  Aghvami, M., Brunski, J. B., Serdar Tulu, U., Chen, C., Helms, J. A.
  2018; 140 (10)

- **Fiber Network Models Predict Enhanced Cell Mechanosensing on Fibrous Gels** *JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME*
  Aghvami, M., Billiar, K. L., Sander, E. A.
  2016; 138 (10)

- **A Combined In Vitro Imaging and Multi-Scale Modeling System for Studying the Role of Cell Matrix Interactions in Cutaneous Wound Healing** *PLOS ONE*
  De Jesus, A. M., Aghvami, M., Sander, E. A.
  2016; 11 (2)

- **Nonlinear Strain Stiffening Is Not Sufficient to Explain How Far Cells Can Feel on Fibrous Protein Gels** *BIOPHYSICAL JOURNAL*
  2013; 105 (1): 11-20

- **Multiscale Mechanical Simulations of Cell Compacted Collagen Gels** *JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME*
  Aghvami, M., Barocas, V. H., Sander, E. A.
  2013; 135 (7)

- **Analysis of flat heat pipes with various heating and cooling configurations** *APPLIED THERMAL ENGINEERING*
  Aghvami, M., Faghri, A.
  2011; 31 (14-15): 2645-2655

- **A Comparative Assessment of Implant Site Viability in Humans and Rats.** *Journal of dental research*
  2017: 22034517742631

- **FIBROBLAST-MEDIATED FIBER REALIGNMENT IN FIBRIN GELS** *PROCEEDINGS OF THE ASME SUMMER BIOENGINEERING CONFERENCE - 2013, PT B*
  De Jesus, A. M., Aghvami, M., Sander, E. A.
  2014

- **Numerical simulation of electrolyte particles trajectory to investigate battery cover design characteristics** *JOURNAL OF POWER SOURCES*
  Esfahanian, V., Darian, H. M., Babazadeh, H., Aghvami, M., Pasandeh, R., Torabi, F., Ahmadi, G.
  2009; 191 (1): 139-143

- **ROUGHNESS EFFECT ON PRESSURE DROP FOR ELECTROOSMOTIC (EO) FLOW IN MICROTUBES** *PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON NANOCHANNELS, MICROCHANNELS, AND MINICHANNELS, PTS A AND B*
  Shokouhmand, H., Aghvami, M., Moghadami, M., Babazadeh, H.
  2008: 437-440
PRESSURE DROP AND HEAT TRANSFER OF FULLY DEVELOPED, LAMINAR FLOW IN ROUGH, RECTANGULAR MICROCHANNELS

PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON NANOCHANNELS, MICROCHANNELS, AND MINICHANNELS, PTS A AND B

Shokouhmand, H., Aghvami, M., Afshin, M. J.

2008: 153-157