

Professional Journal Publications

2019

Number of publications = 8

Boldfaced names represent Bioengineering undergraduate students

Shayan M, Gildener-Leapman N, Elsisy M, **Hastings JT**, Kwon S, Yeo W-H, Kim J-H, Shridhar P, Salazar G, Chun Y (2019). *Use of Superelastic Nitinol and Highly-Stretchable Latex to Develop a Tongue Prosthetic Assist Device and Facilitate Swallowing for Dysphagia Patients*. Materials, 12(21): 3555

Shwetar YJ, Ding D, Veerubhotla AL (2019). *Validity of Existing Energy Expenditure Prediction Algorithms Using Wearable Devices for Wheelchair Users*. Archives of Physical Medicine and Rehabilitation, 100(10):PE142

Movizzo P, Ruder WC, Long Z (2019). *A 3D-printed portable device for field deployment of living biosensors*. MethodsX, 6:1331-1335

Dubaniewicz MT, Rottach DR, Yorio PL (2019). *Quality Assurance Sampling Plans in US Stockpiles for Personal Protective Equipment: A Computer Simulation to Examine Degradation Rates*. Health Security, 17(4):324-333

Tisherman R, Vaudreuil N, **Ramanathan R**, Hartman R, Lee J, Bell J (2019). *Biomechanical contributions of upper cervical ligamentous structures in Type II odontoid fractures*. Journal of Biomechanics, 83:28-33

Behkam R, Kollech HG, Jana A, **Hill AB**, Danford F, Howerton S, Ram S, Rodriguez JJ, Utzinger U, Girkin CA, Vande Geest JP (2019). *Racioethnic differences in the biomechanical response of the lamina cribrosa*. Acta Biomaterialia, 88:131-140

Deng Y, Sun AX, **Overholt KJ**, Yu GZ, Fritch MR, Alexander PG, Shen H, Tuan RS, Lin H (2019). *Enhancing chondrogenesis and mechanical strength retention in physiologically relevant hydrogels with incorporation of hyaluronic acid and direct loading of TGF-beta*. Acta Biomaterialia, 83:167-176

Chun Y, Chen Y, Elsisy M, **Sukinik J**, Shridhar P, Park J, Kim Y (2019). *In vitro and in vivo feasibility and safety of a novel intra-arterial neurovascular decompressor for treating neurovascular compression syndromes*. Neurological Research, 41(4):665-670