

# Mostafa Elsaadany

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Equiaxial Strain Modulates Adipose-derived Stem Cell Differentiation within 3D Biphasic Scaffolds towards Annulus Fibrosus. Scientific Reports, 2017, 7, 12868.	1.6	25
2	Design and Validation of Equiaxial Mechanical Strain Platform, EQUicycler, for 3D Tissue Engineered Constructs. BioMed Research International, 2017, 2017, 1-12.	0.9	23
3	Creating homogenous strain distribution within 3D cell-encapsulated constructs using a simple and cost-effective uniaxial tensile bioreactor: Design and validation study. Biotechnology and Bioengineering, 2017, 114, 1878-1887.	1.7	22
4	In situ osteoblast mineralization mediates post-injection mechanical properties of osteoconductive material. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 38, 143-153.	1.5	20
5	Effect of Uniaxial Tensile Cyclic Loading Regimes on Matrix Organization and Tenogenic Differentiation of Adipose-Derived Stem Cells Encapsulated within 3D Collagen Scaffolds. Stem Cells International, 2017, 2017, 1-16.	1.2	20
6	Exogenous nitric oxide (NO) generated by NO-plasma treatment modulates osteoprogenitor cells early differentiation. Journal Physics D: Applied Physics, 2015, 48, 345401.	1.3	16
7	Predicting cell viability within tissue scaffolds under equiaxial strain: multi-scale finite element model of collagen-cardiomyocytes constructs. Biomechanics and Modeling in Mechanobiology, 2017, 16, 1049-1063.	1.4	5