

# Eda Yildirim-Ayan

## List of Publications by Year in descending order

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17  
papers

384  
citations

687220

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887953

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18  
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mechano-ImmunoModulation: Mechanoresponsive Changes in Macrophage Activity and Polarization. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2213-2231.	1.3	49
2	Polycaprolactone nanofiber interspersed collagen type-I scaffold for bone regeneration: a unique injectable osteogenic scaffold. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 045011.	1.7	45
3	Mechanoresponsive musculoskeletal tissue differentiation of adipose-derived stem cells. <i>BioMedical Engineering OnLine</i> , 2016, 15, 43.	1.3	40
4	Nanofibrous yet injectable polycaprolactone-collagen bone tissue scaffold with osteoprogenitor cells and controlled release of bone morphogenetic protein-2. <i>Materials Science and Engineering C</i> , 2015, 51, 16-27.	3.8	33
5	Investigation of non-thermal plasma effects on lung cancer cells within 3D collagen matrices. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 315401.	1.3	28
6	Miniature Dielectric Barrier Discharge Nonthermal Plasma Induces Apoptosis in Lung Cancer Cells and Inhibits Cell Migration. <i>BioMed Research International</i> , 2017, 2017, 1-12.	0.9	28
7	Equiaxial Strain Modulates Adipose-derived Stem Cell Differentiation within 3D Biphasic Scaffolds towards Annulus Fibrosus. <i>Scientific Reports</i> , 2017, 7, 12868.	1.6	25
8	Design and Validation of Equiaxial Mechanical Strain Platform, EQUicycler, for 3D Tissue Engineered Constructs. <i>BioMed Research International</i> , 2017, 2017, 1-12.	0.9	23
9	Creating homogenous strain distribution within 3D cell-encapsulated constructs using a simple and cost-effective uniaxial tensile bioreactor: Design and validation study. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1878-1887.	1.7	22
10	In situ osteoblast mineralization mediates post-injection mechanical properties of osteoconductive material. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 38, 143-153.	1.5	20
11	Effect of Uniaxial Tensile Cyclic Loading Regimes on Matrix Organization and Tenogenic Differentiation of Adipose-Derived Stem Cells Encapsulated within 3D Collagen Scaffolds. <i>Stem Cells International</i> , 2017, 2017, 1-16.	1.2	20
12	Exogenous nitric oxide (NO) generated by NO-plasma treatment modulates osteoprogenitor cells early differentiation. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 345401.	1.3	16
13	Miniature Non-thermal Plasma Induced Cell Cycle Arrest and Apoptosis in Lung Carcinoma Cells. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 99-117.	1.1	15
14	Impact of Digestive Inflammatory Environment and Genipin Crosslinking on Immunomodulatory Capacity of Injectable Musculoskeletal Tissue Scaffold. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1134.	1.8	8
15	Predicting cell viability within tissue scaffolds under equiaxial strain: multi-scale finite element model of collagen-cardiomyocytes constructs. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 1049-1063.	1.4	5
16	Electrical Stimulation-Mediated Tissue Healing in Porcine Intervertebral Disc Under Mechanically Dynamic Organ Culture Conditions. <i>Spine</i> , 2022, Publish Ahead of Print, .	1.0	4
17	Mechano-ImmunoModulation in Space: Mechanisms Involving Microgravity-Induced Changes in T Cells. <i>Life</i> , 2021, 11, 1043.	1.1	3