

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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docs citations

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times ranked

720
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Mechano-Immuno-modulation in Space: Mechanisms Involving Microgravity-Induced Changes in T Cells. <i>Life</i> , 2021, 11, 1043. | 1.1 | 3 |
| 4 | 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 |
| 5 | Mechano-Immuno-modulation: Mechano-responsive Changes in Macrophage Activity and Polarization. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2213-2231. | 1.3 | 49 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 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 | 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 |
| 13 | Mechano-responsive musculoskeletal tissue differentiation of adipose-derived stem cells. <i>BioMedical Engineering OnLine</i> , 2016, 15, 43. | 1.3 | 40 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |