# Udi Sarig

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 19 papers | 652 citations | 13 h-index | 19 g-index |
| 19 ext. papers | 731 ext. citations | 4.9 avg, IF | 3.65 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 19 | Surface Wettability of a Natural Rubber Composite under Stretching: A Model to Predict Cell Survival. *Langmuir*, **2021**, 37, 4639-4646 | 4 | 1 |
| 18 | Robust Fabrication of Composite 3D Scaffolds with Tissue-Specific Bioactivity: A Proof-of-Concept Study.. *ACS Applied Bio Materials*, **2020**, 3, 4974-4986 | 4.1 | 1 |
| 17 | Optimized-Surface Wettability: A New Experimental 3D Modeling Approach Predicting Favorable Biomaterial□Cell Interactions. *Advanced Theory and Simulations*, **2019**, 2, 1900079 | 3.5 | 5 |
| 16 | Biological and mechanical interplay at the Macro- and Microscales Modulates the Cell-Niche Fate. *Scientific Reports*, **2018**, 8, 3937 | 4.9 | 7 |
| 15 | Contact guidance for cardiac tissue engineering using 3D bioprinted gelatin patterned hydrogel. *Biofabrication*, **2018**, 10, 025003 | 10.5 | 92 |
| 14 | Restoring the biophysical properties of decellularized patches through recellularization. *Biomaterials Science*, **2017**, 5, 1183-1194 | 7.4 | 13 |
| 13 | Biohybrid cardiac ECM-based hydrogels improve long term cardiac function post myocardial infarction. *Acta Biomaterialia*, **2017**, 50, 220-233 | 10.8 | 74 |
| 12 | Dynamic Autologous Reendothelialization of Small-Caliber Arterial Extracellular Matrix: A Preclinical Large Animal Study. *Tissue Engineering - Part A*, **2017**, 23, 69-79 | 3.9 | 37 |
| 11 | Natural myocardial ECM patch drives cardiac progenitor based restoration even after scarring. *Acta Biomaterialia*, **2016**, 44, 209-20 | 10.8 | 55 |
| 10 | Pushing the envelope in tissue engineering: ex vivo production of thick vascularized cardiac extracellular matrix constructs. *Tissue Engineering - Part A*, **2015**, 21, 1507-19 | 3.9 | 32 |
| 9 | Characterization of a bioactive fiber scaffold with entrapped HUVECs in coaxial electrospun core-shell fiber. *Biomatter*, **2014**, 4, e28238 | | 14 |
| 8 | A mathematical model predicting the coculture dynamics of endothelial and mesenchymal stem cells for tissue regeneration. *Tissue Engineering - Part A*, **2013**, 19, 1155-64 | 3.9 | 3 |
| 7 | Collagen-cellulose composite thin films that mimic soft-tissue and allow stem-cell orientation. *Journal of Materials Science: Materials in Medicine*, **2013**, 24, 2013-27 | 4.5 | 21 |
| 6 | A mathematical model for analyzing the elasticity, viscosity, and failure of soft tissue: comparison of native and decellularized porcine cardiac extracellular matrix for tissue engineering. *Tissue Engineering - Part C: Methods*, **2013**, 19, 620-30 | 2.9 | 22 |
| 5 | Porcine small diameter arterial extracellular matrix supports endothelium formation and media remodeling forming a promising vascular engineered biograft. *Tissue Engineering - Part A*, **2012**, 18, 411-22 | 3.9 | 49 |
| 4 | Thick acellular heart extracellular matrix with inherent vasculature: a potential platform for myocardial tissue regeneration. *Tissue Engineering - Part A*, **2012**, 18, 2125-37 | 3.9 | 64 |
| 3 | Endothelialization of Acellular Porcine ECM with Chemical Modification. *International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB)*, **2012**, 363-368 | 0.3 | 0 |

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|---|---|---|---|
| 2 | Engineering cell platforms for myocardial regeneration. *Expert Opinion on Biological Therapy*, **2011**, 11, 1055-77 | 5.4 | 50 |
| 1 | Acellular cardiac extracellular matrix as a scaffold for tissue engineering: in vitro cell support, remodeling, and biocompatibility. *Tissue Engineering - Part C: Methods*, **2010**, 16, 671-83 | 2.9 | 112 |