Udi Sarig

List of Publications by Citations

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	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
18	Contact guidance for cardiac tissue engineering using 3D bioprinted gelatin patterned hydrogel. *Biofabrication*, **2018**, 10, 025003	10.5	92
17	Biohybrid cardiac ECM-based hydrogels improve long term cardiac function post myocardial infarction. *Acta Biomaterialia*, **2017**, 50, 220-233	10.8	74
16	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
15	Natural myocardial ECM patch drives cardiac progenitor based restoration even after scarring. *Acta Biomaterialia*, **2016**, 44, 209-20	10.8	55
14	Engineering cell platforms for myocardial regeneration. *Expert Opinion on Biological Therapy*, **2011**, 11, 1055-77	5.4	50
13	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
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	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
10	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
9	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
8	Characterization of a bioactive fiber scaffold with entrapped HUVECs in coaxial electrospun core-shell fiber. *Biomatter*, **2014**, 4, e28238		14
7	Restoring the biophysical properties of decellularized patches through recellularization. *Biomaterials Science*, **2017**, 5, 1183-1194	7.4	13
6	Biological and mechanical interplay at the Macro- and Microscales Modulates the Cell-Niche Fate. *Scientific Reports*, **2018**, 8, 3937	4.9	7
5	Optimized-Surface Wettability: A New Experimental 3D Modeling Approach Predicting Favorable Biomaterial□Cell Interactions. *Advanced Theory and Simulations*, **2019**, 2, 1900079	3.5	5
4	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
3	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

2	Surface Wettability of a Natural Rubber Composite under Stretching: A Model to Predict Cell Survival. *Langmuir*, **2021**, 37, 4639-4646	4	1
1	Endothelialization of Acellular Porcine ECM with Chemical Modification. *International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB)*, **2012**, 363-368	0.3	0