Robert Maidhof

List of Publications by Year
in descending order

17 papers	1,960 citations	567281 15 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	2893 citing authors

#	Article	IF	Citations
1	Electrical stimulation systems for cardiac tissue engineering. Nature Protocols, 2009, 4, 155-173.	12.0	463
2	Challenges in Cardiac Tissue Engineering. Tissue Engineering - Part B: Reviews, 2010, 16, 169-187.	4.8	431
3	Cardiac tissue engineering using perfusion bioreactor systems. Nature Protocols, 2008, 3, 719-738.	12.0	249
4	Optimization of electrical stimulation parameters for cardiac tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, e115-e125.	2.7	131
5	Biomimetic perfusion and electrical stimulation applied in concert improved the assembly of engineered cardiac tissue. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, e12-e23.	2.7	114
6	Surface-patterned electrode bioreactor for electrical stimulation. Lab on A Chip, 2010, 10, 692.	6.0	91
7	Toll-Like Receptor 4 (TLR4) Expression and Stimulation in a Model of Intervertebral Disc Inflammation and Degeneration. Spine, 2013, 38, 1343-1351.	2.0	74
8	The effect of controlled expression of VEGF by transduced myoblasts in a cardiac patch on vascularization in a mouse model of myocardial infarction. Biomaterials, 2013, 34, 393-401.	11.4	71
9	Perfusion seeding of channeled elastomeric scaffolds with myocytes and endothelial cells for cardiac tissue engineering. Biotechnology Progress, 2010, 26, 565-572.	2.6	65
10	Scaffold stiffness affects the contractile function of threeâ€dimensional engineered cardiac constructs. Biotechnology Progress, 2010, 26, 1382-1390.	2.6	62
11	Developments in intervertebral disc disease research: pathophysiology, mechanobiology, and therapeutics. Current Reviews in Musculoskeletal Medicine, 2015, 8, 18-31.	3.5	59
12	Inflammation Induces Irreversible Biophysical Changes in Isolated Nucleus Pulposus Cells. PLoS ONE, 2014, 9, e99621.	2.5	51
13	Channelled scaffolds for engineering myocardium with mechanical stimulation. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 748-756.	2.7	43
14	Timing of mesenchymal stem cell delivery impacts the fate and therapeutic potential in intervertebral disc repair. Journal of Orthopaedic Research, 2017, 35, 32-40.	2.3	24
15	Emerging trends in biological therapy for intervertebral disc degeneration. Discovery Medicine, 2012, 14, 401-11.	0.5	24
16	Technical approaches to select highâ€performance instant skin smoothing formulations: Correlation of in vitro and in vivo assessment methods. Skin Research and Technology, 2019, 25, 606-611.	1.6	4
17	<scp>UV</scp> fluorescence excitation spectroscopy as a noninvasive predictor of epidermal proliferation and clinical performance of cosmetic formulations. Photodermatology Photoimmunology and Photomedicine, 2019, 35, 408-414.	1.5	4