Hironobu Takahashi

List of Publications by Year
in descending order

16	1,085	687363 13	940533 16
papers	citations	h-index	g-index

16	16	16	1429
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contraction Control of Aligned Myofiber Sheet Tissue by Parallel Oriented Induced Pluripotent Stem Cell-Derived Neurons. Tissue Engineering - Part A, 2022, 28, 661-671.	3.1	7
2	Harvest of quality-controlled bovine myogenic cells and biomimetic bovine muscle tissue engineering for sustainable meat production. Biomaterials, 2022, 287, 121649.	11.4	14
3	Simulated microgravity accelerates aging of human skeletal muscle myoblasts at the single cell level. Biochemical and Biophysical Research Communications, 2021, 578, 115-121.	2.1	15
4	Enhanced mechanical properties and cell separation with thermal control of PIPAAm-brushed polymer-blend microfibers. Journal of Materials Chemistry B, 2020, 8, 6017-6026.	5.8	18
5	Thermally-triggered fabrication of cell sheets for tissue engineering and regenerative medicine. Advanced Drug Delivery Reviews, 2019, 138, 276-292.	13.7	84
6	Engineered Human Contractile Myofiber Sheets as a Platform for Studies of Skeletal Muscle Physiology. Scientific Reports, 2018, 8, 13932.	3.3	54
7	Human Neural Tissue Construct Fabrication Based on Scaffoldâ€Free Tissue Engineering. Advanced Healthcare Materials, 2016, 5, 1931-1938.	7.6	30
8	Cell Sheetâ€Based Tissue Engineering for Organizing Anisotropic Tissue Constructs Produced Using Microfabricated Thermoresponsive Substrates. Advanced Healthcare Materials, 2015, 4, 2388-2407.	7.6	65
9	Engineered small diameter vascular grafts by combining cell sheet engineering and electrospinning technology. Acta Biomaterialia, 2015, 16, 14-22.	8.3	121
10	Anisotropic Cellular Network Formation in Engineered Muscle Tissue through the Selfâ€Organization of Neurons and Endothelial Cells. Advanced Healthcare Materials, 2015, 4, 356-360.	7.6	36
11	The use of anisotropic cell sheets to control orientation during the self-organization of 3D muscle tissue. Biomaterials, 2013, 34, 7372-7380.	11.4	121
12	Control of the formation of vascular networks in 3D tissue engineered constructs. Biomaterials, 2013, 34, 696-703.	11.4	48
13	Terminally Functionalized Thermoresponsive Polymer Brushes for Simultaneously Promoting Cell Adhesion and Cell Sheet Harvest. Biomacromolecules, 2012, 13, 253-260.	5.4	80
14	Micropatterned Thermoresponsive Polymer Brush Surfaces for Fabricating Cell Sheets with Well-Controlled Orientational Structures. Biomacromolecules, 2011, 12, 1414-1418.	5.4	138
15	Anisotropic cell sheets for constructing three-dimensional tissue with well-organized cell orientation. Biomaterials, 2011, 32, 8830-8838.	11.4	82
16	Controlled Chain Length and Graft Density of Thermoresponsive Polymer Brushes for Optimizing Cell Sheet Harvest. Biomacromolecules, 2010, 11, 1991-1999.	5.4	172