

Hironobu Takahashi

List of Publications by Year in descending order

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16
papers

1,085
citations

687363

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940533

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docs citations

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times ranked

1429
citing authors

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