Vladislav Parfenov

List of Publications by Year
in descending order

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27	1,104	623188 14	610482 24
papers	citations	h-index	g-index

27	27	27	1577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combined Impact of Magnetic Force and Spaceflight Conditions on Escherichia coli Physiology. International Journal of Molecular Sciences, 2022, 23, 1837.	1.8	8
2	Organ-specific toxicity of magnetic iron oxide-based nanoparticles. Nanotoxicology, 2021, 15, 167-204.	1.6	45
3	Magnetic Patterning of Tissue Spheroids Using Polymer Microcapsules Containing Iron Oxide Nanoparticles. ACS Biomaterials Science and Engineering, 2021, 7, 5206-5214.	2.6	10
4	Extracellular Matrix Determines Biomechanical Properties of Chondrospheres during Their Maturation In Vitro. Cartilage, 2020, 11, 521-531.	1.4	26
5	An In Vitro Model of Nonattached Biofilm-Like Bacterial Aggregates Based on Magnetic Levitation. Applied and Environmental Microbiology, 2020, 86, .	1.4	6
6	Magnetic levitational bioassembly of 3D tissue construct in space. Science Advances, 2020, 6, eaba4174.	4.7	77
7	Cytoskeleton systems contribute differently to the functional intrinsic properties of chondrospheres. Acta Biomaterialia, 2020, 118, 141-152.	4.1	8
8	Biofabrication of a Functional Tubular Construct from Tissue Spheroids Using Magnetoacoustic Levitational Directed Assembly. Advanced Healthcare Materials, 2020, 9, e2000721.	3.9	19
9	Fabrication of calcium phosphate 3D scaffolds for bone repair using magnetic levitational assembly. Scientific Reports, 2020, 10, 4013.	1.6	21
10	Scaffold-free and label-free biofabrication technology using levitational assembly in a high magnetic field. Biofabrication, 2020, 12, 045022.	3.7	16
11	Multiparametric Analysis of Tissue Spheroids Fabricated from Different Types of Cells. Biotechnology Journal, 2020, 15, e1900217.	1.8	25
12	Scaffold-free, Label-free, and Nozzle-free Magnetic Levitational Bioassembler for Rapid Formative Biofabrication of 3D Tissues and Organs. International Journal of Bioprinting, 2020, 6, 304.	1.7	12
13	3D scanning probe nanotomography of tissue spheroid fibroblasts interacting with electrospun polyurethane scaffold. EXPRESS Polymer Letters, 2019, 13, 632-641.	1.1	12
14	Viscoll collagen solution as a novel bioink for direct 3D bioprinting. Journal of Materials Science: Materials in Medicine, 2019, 30, 31.	1.7	94
15	Assembly of a ring-shaped construct from tissue spheroids in a magneto-acoustic field. Proceedings of Meetings on Acoustics, 2019, , .	0.3	2
16	Biofabrication: A Guide to Technology and Terminology. Trends in Biotechnology, 2018, 36, 384-402.	4.9	465
17	Frequency dependence of magnetothermal properties for magnetic fluid and magnetically functionalized implants. EPJ Web of Conferences, 2018, 185, 09003.	0.1	1
18	Commercial 3D Bioprinters. , 2018, , 535-549.		5

#	Article	IF	Citations
19	Scaffold-free, label-free and nozzle-free biofabrication technology using magnetic levitational assembly. Biofabrication, 2018, 10, 034104.	3.7	72
20	Commercial 3D Bioprinters. , 2018, , 1-16.		2
21	A potential of terahertz solid immersion microscopy for visualizing sub-wavelength-scale tissue spheroids. , 2018, , .		16
22	The Scalable Standardized Biofabrication of Tissue Spheroids from Different Cell Types Using Nonadhesive Technology. 3D Printing and Additive Manufacturing, 2017, 4, 53-60.	1.4	17
23	Bioprinting of a functional vascularized mouse thyroid gland construct. Biofabrication, 2017, 9, 034105.	3.7	107
24	Nanostructural features of contacts of fibroblasts with dual-scale bioÑompatible polyurethane scaffold. Nanotechnologies in Russia, 2016, 11, 830-834.	0.7	1
25	Design and Implementation of Novel Multifunctional 3D Bioprinter. 3D Printing and Additive Manufacturing, 2016, 3, 64-68.	1.4	14
26	Patterning of tissue spheroids biofabricated from human fibroblasts on the surface of electrospun polyurethane matrix using 3D bioprinter. International Journal of Bioprinting, 2016, 2, .	1.7	18
27	Investigating the micro- and nanostructure of microfibrous biocompatible polyurethane scaffold by scanning probe nanotomography. Nanotechnologies in Russia, 2015, 10, 925-929.	0.7	5