

Kenichi Arai

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

529
citations

933447

10
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional inkjet biofabrication based on designed images. <i>Biofabrication</i> , 2011, 3, 034113.	7.1	141
2	Fabrication of scaffold-free tubular cardiac constructs using a Bio-3D printer. <i>PLoS ONE</i> , 2018, 13, e0209162.	2.5	110
3	Scaffold-Free Bio-3D Printing Using Spheroids as "Bio-Inks" for Tissue (Re-)Construction and Drug Response Tests. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901831.	7.6	60
4	Development of an immunodeficient pig model allowing long-term accommodation of artificial human vascular tubes. <i>Nature Communications</i> , 2019, 10, 2244.	12.8	42
5	Fabrication of 3D-culture platform with sandwich architecture for preserving liver-specific functions of hepatocytes using 3D bioprinter. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1583-1592.	4.0	41
6	Drug response analysis for scaffold-free cardiac constructs fabricated using bio-3D printer. <i>Scientific Reports</i> , 2020, 10, 8972.	3.3	29
7	Cryopreservation method for spheroids and fabrication of scaffold-free tubular constructs. <i>PLoS ONE</i> , 2020, 15, e0230428.	2.5	22
8	Inkjet Bioprinting. , 2015, , 61-79.		17
9	Scaffold-Free Tubular Engineered Heart Tissue From Human Induced Pluripotent Stem Cells Using Bio-3D Printing Technology in vivo. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 806215.	2.4	16
10	Hyperdry Human Amniotic Membrane (HD-AM) is Supporting Aciclovir Included Device of Poly-N-p-Vinyl-Benzyl-D-Lactonamide (PVLA) Sphere for Treatment of HSV-1 Infected Rabbit Keratitis Model. <i>Journal of Biotechnology & Biomaterials</i> , 2017, 07, .	0.3	12
11	Scaffold-based and scaffold-free cardiac constructs for drug testing. <i>Biofabrication</i> , 2021, 13, 042001.	7.1	12
12	Inkjetting Plus Peroxidase-Mediated Hydrogelation Produces Cell-Laden, Cell-Sized Particles with Suitable Characters for Individual Applications. <i>Macromolecular Bioscience</i> , 2017, 17, 1600416.	4.1	10
13	Two cases of postintubation subglottic granuloma with dyspnea. <i>Journal of Anesthesia</i> , 1993, 7, 385-387.	1.7	5
14	Fabrication of Cardiac Constructs Using Bio-3D Printer. <i>Methods in Molecular Biology</i> , 2021, 2320, 53-63.	0.9	5
15	Bioprinting with pre-cultured cellular constructs towards tissue engineering of hierarchical tissues. <i>International Journal of Bioprinting</i> , 2015, , .	3.4	3
16	Engineering of Artificial Lymph Node. , 2016, , 181-200.		1
17	Computer-assisted designing and biofabrication of 3-D hydrogel structures towards thick 3-D tissue engineering. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1415, 127.	0.1	0
18	Bio-3D Printed Organs as Drug Testing Tools. , 2021, , 149-164.		0