Songwan Jin

List of Publications by Year
in descending order

27 papers	760 citations	687363 13 h-index	580821 25 g-index
28 all docs	28 docs citations	28 times ranked	1175 citing authors

#	Article	IF	Citations
1	Precise stacking of decellularized extracellular matrix based 3D cell-laden constructs by a 3D cell printing system equipped with heating modules. Scientific Reports, 2017, 7, 8624.	3.3	122
2	Decellularized extracellular matrix-based bio-ink with enhanced 3D printability and mechanical properties. Biofabrication, 2020, 12, 025003.	7.1	94
3	Bioprinting of Multiscaled Hepatic Lobules within a Highly Vascularized Construct. Small, 2020, 16, e1905505.	10.0	88
4	A potential dermal substitute using decellularized dermis extracellular matrix derived bio-ink. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 644-649.	2.8	65
5	Pre-set extrusion bioprinting for multiscale heterogeneous tissue structure fabrication. Biofabrication, 2018, 10, 035008.	7.1	59
6	Alginateâ€“marine collagenâ€“agarose composite hydrogels as matrices for biomimetic 3D cell spheroid formation. RSC Advances, 2016, 6, 46952-46965.	3.6	58
7	Comparative Efficacies of Collagen-Based 3D Printed PCL/PLGA/Î²-TCP Composite Block Bone Grafts and Biphasic Calcium Phosphate Bone Substitute for Bone Regeneration. Materials, 2017, 10, 421.	2.9	48
8	Production of Multiple Cellâ€Laden Microtissue Spheroids with a Biomimetic Hepaticâ€Lobuleâ€Like Structure. Advanced Materials, 2021, 33, e2102624.	21.0	28
9	Endothelial monolayers on collagen-coated nanofibrous membranes: cellâ€“cell and cellâ€“ECM interactions. Biofabrication, 2016, 8, 025008.	7.1	26
10	Three-dimensional culture and interaction of cancer cells and dendritic cells in an electrospun nano-submicron hybrid fibrous scaffold. International Journal of Nanomedicine, 2016, 11, 823.	6.7	23
11	A Microfluidic Chip Embracing a Nanofiber Scaffold for 3D Cell Culture and Real-Time Monitoring. Nanomaterials, 2019, 9, 588.	4.1	21
12	Fabrication of In Vitro Cancer Microtissue Array on Fibroblast-Layered Nanofibrous Membrane by Inkjet Printing. International Journal of Molecular Sciences, 2017, 18, 2348.	4.1	18
13	Study of the process-induced cell damage in forced extrusion bioprinting. Biofabrication, 2021, 13, 035048.	7.1	16
14	3D-Printed Collagen Scaffolds Promote Maintenance of Cryopreserved Patients-Derived Melanoma Explants. Cells, 2021, 10, 589.	4.1	15
15	Bone Fracture-Treatment Method: Fixing 3D-Printed Polycaprolactone Scaffolds with Hydrogel Type Bone-Derived Extracellular Matrix and Î²-Tricalcium Phosphate as an Osteogenic Promoter. International Journal of Molecular Sciences, 2021, 22, 9084.	4.1	15
16	Co-targeting of Tiam1/Rac1 and Notch ameliorates chemoresistance against doxorubicin in a biomimetic 3D lymphoma model. Oncotarget, 2018, 9, 2058-2075.	1.8	14
17	Impact of microstructure on cell behavior and tissue mechanics in collagen and dermal decellularized extra-cellular matrices. Acta Biomaterialia, 2022, 143, 100-114.	8.3	13
18	Inertial-microfluidic radial migration in solid/liquid two-phase flow through a microcapillary: Particle equilibrium position. Experiments in Fluids, 2011, 51, 723-730.	2.4	11

#	Article	IF	Citations
19	Microscale Diffusion Measurements and Simulation of a Scaffold with a Permeable Strut. International Journal of Molecular Sciences, 2013, 14, 20157-20170.	4.1	8
20	Three-dimensional migration of neutrophils through an electrospun nanofibrous membrane. BioTechniques, 2015, 58, 285-292.	1.8	5
21	Three-Dimensional Hepatocellular Carcinoma/Fibroblast Model on a Nanofibrous Membrane Mimics Tumor Cell Phenotypic Changes and Anticancer Drug Resistance. Nanomaterials, 2018, 8, 64.	4.1	4
22	Development of dynamic well plate system for cell culture with mechanical stimulus of shear stress and magnetic field. International Journal of Precision Engineering and Manufacturing, 2015, 16, 2235-2239.	2.2	3
23	Flow visualization and performance measurements of a flagellar propeller. Journal of Bionic Engineering, 2012, 9, 322-329.	5.0	2
24	Optimization and reliability evaluation of COG bonding process. Journal of Mechanical Science and Technology, 2016, 30, 1305-1313.	1.5	2
25	Analysis of temperature distribution in the chip-on-glass bonding process. Journal of Mechanical Science and Technology, 2020, 34, 3041-3047.	1.5	2
26	Production of Multiple Cellâ€Laden Microtissue Spheroids with a Biomimetic Hepaticâ€Lobuleâ€Like Structure (Adv. Mater. 36/2021). Advanced Materials, 2021, 33, 2170286.	21.0	0
27	Continuous pressure measurement and serial microâ€“computed tomography analysis during injection laryngoplasty: A preliminary canine cadaveric study. PLoS ONE, 2020, 15, e0239544.	2.5	0