Liang

List of Publications by Year
in descending order

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36 papers	1,518 citations	430754 18 h-index	377752 34 g-index
36 all docs	36 docs citations	36 times ranked	2368 citing authors

#	Article	IF	Citations
1	Engineered Vasculature for Organ-on-a-Chip Systems. Engineering, 2022, 9, 131-147.	3.2	22
2	Smart bioelectronics and biomedical devices. Bio-Design and Manufacturing, 2022, 5, 1-5.	3.9	4
3	Industry news: 2020 high-impact publications in the BDM area. Bio-Design and Manufacturing, 2021, 4, 154-156.	3.9	1
4	Biofabrication of aligned structures that guide cell orientation and applications in tissue engineering. Bio-Design and Manufacturing, 2021, 4, 258-277.	3.9	32
5	3D Printed Multi-material Medical Phantoms for Needle-tissue Interaction Modelling of Heterogeneous Structures. Journal of Bionic Engineering, 2021, 18, 346-360.	2.7	14
6	Large-Area Periodic Organicâ€“Inorganic Hybrid Perovskite Nanopyramid Arrays for High-Performance Photodetector and Image Sensor Applications. , 2021, 3, 1189-1196.		23
7	Opportunities and Challenges: Classification of Skin Disease Based on Deep Learning. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	1.9	19
8	Current Advances on 3Dâ€Bioprinted Liver Tissue Models. Advanced Healthcare Materials, 2020, 9, e2001517.	3.9	60
9	3D bioprinted hyaluronic acid-based cell-laden scaffold for brain microenvironment simulation. Bio-Design and Manufacturing, 2020, 3, 164-174.	3.9	27
10	The construction of in vitro tumor models based on 3D bioprinting. Bio-Design and Manufacturing, 2020, 3, 227-236.	3.9	19
11	Strengths, weaknesses, and applications of computational axial lithography in tissue engineering. Bio-Design and Manufacturing, 2020, 3, 5-6.	3.9	7
12	Nanoâ€•and Microfabrication for Engineering Nativeâ€Like Muscle Tissues. Small Methods, 2020, 4, 1900669.	4.6	13
13	Direct 3â€Ð printing of Tiâ€6Alâ€4V/HA composite porous scaffolds for customized mechanical properties and biological functions. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 486-496.	1.3	15
14	Exome sequencing identified six copy number variations as a prediction model for recurrence of primary prostate cancers with distinctive prognosis. Translational Cancer Research, 2020, 9, 2231-2242.	0.4	4
15	3D printing of calcium phosphate bioceramic with tailored biodegradation rate for skull bone tissue reconstruction. Bio-Design and Manufacturing, 2019, 2, 161-171.	3.9	70
16	One-dimensional microstructure-assisted intradermal and intracellular delivery. Bio-Design and Manufacturing, 2019, 2, 24-30.	3.9	8
17	Surface Modification by Divalent Main-Group-Elemental Ions for Improved Bone Remodeling To Instruct Implant Biofabrication. ACS Biomaterials Science and Engineering, 2019, 5, 3311-3324.	2.6	15
18	3D Bioprinting: A Novel Avenue for Manufacturing Tissues and Organs. Engineering, 2019, 5, 777-794.	3.2	133

#	Article	IF	Citations
19	3D bioprinting for artificial cornea: Challenges and perspectives. Medical Engineering and Physics, 2019, 71, 68-78.	0.8	61
20	Integrated 3D bioprinting-based geometry-control strategy for fabricating corneal substitutes. Journal of Zhejiang University: Science B, 2019, 20, 945-959.	1.3	31
21	3D bioprinting: an emerging technology full of opportunities and challenges. Bio-Design and Manufacturing, 2018, 1, 2-13.	3.9	110
22	Recent progress on the design and fabrication of micromotors and their biomedical applications. Bio-Design and Manufacturing, 2018, 1, 225-236.	3.9	12
23	ALK5 transfection of bone marrow mesenchymal stem cells to repair osteoarthritis of knee joint. Bio-Design and Manufacturing, 2018, 1, 135-145.	3.9	1
24	Research lab on 3D bioprinting of Zhejiang University. Bio-Design and Manufacturing, 2018, 1, 211-214.	3.9	4
25	The comparison genomics analysis with glioblastoma multiforme (GBM) cells under 3D and 2D cell culture conditions. Colloids and Surfaces B: Biointerfaces, 2018, 172, 665-673.	2.5	27
26	CHI3L1 promotes tumor progression by activating TGF-Î² signaling pathway in hepatocellular carcinoma. Scientific Reports, 2018, 8, 15029.	1.6	57
27	Surface hydroxyl groups regulate the osteogenic differentiation of mesenchymal stem cells on titanium and tantalum metals. Journal of Materials Chemistry B, 2017, 5, 3955-3963.	2.9	38
28	High-resolution 3D Bioprinting System for Fabricating Cell-laden Hydrogel Scaffolds with High Cellular Activities. Procedia CIRP, 2017, 65, 219-224.	1.0	16
29	Light-Induced Cell Alignment and Harvest for Anisotropic Cell Sheet Technology. ACS Applied Materials & Interfaces, 2017, 9, 36513-36524.	4.0	43
30	Whole genome sequencing of matched tumor, adjacent non-tumor tissues and corresponding normal blood samples of hepatocellular carcinoma patients revealed dynamic changes of the mutations profiles during hepatocarcinogenesis. Oncotarget, 2017, 8, 26185-26199.	0.8	8
31	Systematic comparison of biologically active foreign ions-codoped calcium phosphate microparticles on osteogenic differentiation in rat osteoporotic and normal mesenchymal stem cells. Oncotarget, 2017, 8, 36578-36590.	0.8	5
32	Coaxial nozzle-assisted 3D bioprinting with built-in microchannels for nutrients delivery. Biomaterials, 2015, 61, 203-215.	5.7	486
33	Fabrication of bioactive glass-introduced nanofibrous membranes with multifunctions for potential wound dressing. RSC Advances, 2014, 4, 60114-60122.	1.7	22
34	Towards personalized medicine with a three-dimensional micro-scale perfusion-based two-chamber tissue model system. Biomaterials, 2012, 33, 4353-4361.	5.7	75
35	A porous 3D cell culture micro device for cell migration study. Biomedical Microdevices, 2010, 12, 753-760.	1.4	29
36	Identification of Novel SNPs by Next-Generation Sequencing of the Genomic Region Containing theAPCGene in Colorectal Cancer Patients in China. OMICS A Journal of Integrative Biology, 2010, 14, 315-325.	1.0	7