Liqun Ning

List of Publications by Year
in descending order

28 papers	1,210 citations	471061 17 h-index	500791 28 g-index
30 all docs	30 docs citations	30 times ranked	1393 citing authors

#	Article	IF	Citations
1	A 3D Bioprinted in vitro Model of Neuroblastoma Recapitulates Dynamic Tumorâ€Endothelial Cell Interactions Contributing to Solid Tumor Aggressive Behavior. Advanced Science, 2022, 9, .	5.6	15
2	Methacrylateâ€Modified Gold Nanoparticles Enable Noninvasive Monitoring of Photocrosslinked Hydrogel Scaffolds. Advanced NanoBiomed Research, 2022, 2, .	1.7	5
3	3D Bioprinting of Neural Tissues. Advanced Healthcare Materials, 2021, 10, e2001600.	3.9	48
4	Patientâ€Specific 3D Bioprinted Models of Developing Human Heart. Advanced Healthcare Materials, 2021, 10, e2001169.	3.9	18
5	3D Bioprinted Bacteriostatic Hyperelastic Bone Scaffold for Damage-Specific Bone Regeneration. Polymers, 2021, 13, 1099.	2.0	22
6	Noninvasive Three-Dimensional In Situ and In Vivo Characterization of Bioprinted Hydrogel Scaffolds Using the X-ray Propagation-Based Imaging Technique. ACS Applied Materials & Interfaces, 2021, 13, 25611-25623.	4.0	20
7	Adhesive Tissue Engineered Scaffolds: Mechanisms and Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 683079.	2.0	10
8	A 3D Bioprinted In Vitro Model of Pulmonary Artery Atresia to Evaluate Endothelial Cell Response to Microenvironment. Advanced Healthcare Materials, 2021, 10, e2100968.	3.9	13
9	Nanomaterials for bioprinting: functionalization of tissue-specific bioinks. Essays in Biochemistry, 2021, 65, 429-439.	2.1	9
10	Process-induced cell damage: pneumatic versus screw-driven bioprinting. Biofabrication, 2020, 12, 025011.	3.7	47
11	Bioprintability: Physiomechanical and Biological Requirements of Materials for 3D Bioprinting Processes. Polymers, 2020, 12, 2262.	2.0	67
12	Embedded 3D Bioprinting of Gelatin Methacryloyl-Based Constructs with Highly Tunable Structural Fidelity. ACS Applied Materials & Interfaces, 2020, 12, 44563-44577.	4.0	89
13	Antibacterial activities of zeolite/silver-graphene oxide nanocomposite in bone implants. Materials Technology, 2020, , 1-10.	1.5	14
14	Experimental investigation of the double impact position effect on the mechanical behavior of low-velocity impact in CFRP laminates. Composites Part B: Engineering, 2020, 193, 108020.	5.9	30
15	Biomechanical factors in three-dimensional tissue bioprinting. Applied Physics Reviews, 2020, 7, 041319.	5.5	30
16	Micromechanisms of Cortical Bone Failure Under Different Loading Conditions. Journal of Biomechanical Engineering, 2020, 142, .	0.6	8
17	Bio-fabrication of peptide-modified alginate scaffolds: Printability, mechanical stability and neurite outgrowth assessments. Bioprinting, 2019, 14, e00045.	2.9	48
18	Bioprinting Schwann cell-laden scaffolds from low-viscosity hydrogel compositions. Journal of Materials Chemistry B, 2019, 7, 4538-4551.	2.9	54

#	Article	IF	Citations
19	Printability and Cell Viability in Bioprinting Alginate Dialdehyde-Gelatin Scaffolds. ACS Biomaterials Science and Engineering, 2019, 5, 2976-2987.	2.6	123
20	Bioprinting of Vascularized Tissue Scaffolds: Influence of Biopolymer, Cells, Growth Factors, and Gene Delivery. Journal of Healthcare Engineering, 2019, 2019, 1-20.	1.1	38
21	Characterization of Cell Damage and Proliferative Ability during and after Bioprinting. ACS Biomaterials Science and Engineering, 2018, 4, 3906-3918.	2.6	70
22	3D bioprinting of scaffolds with living Schwann cells for potential nerve tissue engineering applications. Biofabrication, 2018, 10, 035014.	3.7	112
23	Influence of thermal mechanical coupling on surface integrity in disc milling grooving of titanium alloy. Machining Science and Technology, 2017, 21, 313-333.	1.4	7
24	A brief review of extrusionâ€based tissue scaffold bioâ€printing. Biotechnology Journal, 2017, 12, 1600671.	1.8	172
25	Influence of mechanical properties of alginate-based substrates on the performance of Schwann cells in culture. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 898-915.	1.9	69
26	Tool wear in disk milling grooving of titanium alloy. Advances in Mechanical Engineering, 2016, 8, 168781401667162.	0.8	10
27	Influence of Flow Behavior of Alginateâ€“Cell Suspensions on Cell Viability and Proliferation. Tissue Engineering - Part C: Methods, 2016, 22, 652-662.	1.1	41
28	Residual Stress and Affected Layer in Disc Milling of Titanium Alloy. Materials and Manufacturing Processes, 2016, 31, 1645-1653.	2.7	20