

CITATION REPORT

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Bioprinting 101: Design, Fabrication, and Evaluation of Cell-Laden 3D Bioprinted Scaffolds

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#	Paper	IF	Citations
78	Advances on Bone Substitutes through 3D Bioprinting. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	42
77	Challenges on optimization of 3D-printed bone scaffolds. <i>BioMedical Engineering OnLine</i> , 2020 , 19, 69	4.1	26
76	Printability and Shape Fidelity of Bioinks in 3D Bioprinting. <i>Chemical Reviews</i> , 2020 , 120, 11028-11055	68.1	178
75	Simulation Analysis of the Influence of Nozzle Structure Parameters on Material Controllability. <i>Micromachines</i> , 2020 , 11,	3.3	1
74	The extracellular matrix in development. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	64
73	Improving alginate printability for biofabrication: establishment of a universal and homogeneous pre-crosslinking technique. <i>Biofabrication</i> , 2020 , 12, 045004	10.5	38
72	Two-dimensional metal organic frameworks for biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1674	9.2	15
71	Tailoring of the rheological properties of bioinks to improve bioprinting and bioassembly for tissue replacement. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021 , 1865, 129782	4	19
70	Stimuli-responsive engineered living materials. <i>Soft Matter</i> , 2021 , 17, 785-809	3.6	22
69	Harnessing the physicochemical properties of DNA as a multifunctional biomaterial for biomedical and other applications. <i>Chemical Society Reviews</i> , 2021 , 50, 7779-7819	58.5	8
68	3D Bioprinted Cardiac Tissues and Devices for Tissue Maturation. <i>Cells Tissues Organs</i> , 2021 , 1-14	2.1	3
67	Structure-function assessment of 3D-printed porous scaffolds by a low-cost/open source fused filament fabrication printer. <i>Materials Science and Engineering C</i> , 2021 , 123, 111945	8.3	0
66	Versatility on demand - The case for semi-solid micro-extrusion in pharmaceuticals. <i>Advanced Drug Delivery Reviews</i> , 2021 , 172, 104-126	18.5	15
65	3D Printing Techniques and Their Applications to Organ-on-a-Chip Platforms: A Systematic Review. <i>Sensors</i> , 2021 , 21,	3.8	18
64	Application of 3D Bioprinters for Dental Pulp Regeneration and Tissue Engineering (Porous architecture). <i>Transport in Porous Media</i> , 1	3.1	4
63	Nanoclay Reinforced Biomaterials for Mending Musculoskeletal Tissue Disorders. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100217	10.1	4
62	Recent Advances on Bioprinted Gelatin Methacrylate-Based Hydrogels for Tissue Repair. <i>Tissue Engineering - Part A</i> , 2021 , 27, 679-702	3.9	17

61	Emerging 2D Nanomaterials for Biomedical Applications.. <i>Materials Today</i> , 2021 , 50, 276-302	21.8	22
60	Bone tissue engineering construct fabricated using a cell electrospinning technique with polyglutamic acid biopolymer. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	1
59	Building new cardiac vasculature and myocardium: where are we at?. <i>Current Opinion in Cardiology</i> , 2021 , 36, 728-734	2.1	1
58	Rheological characterisation of ceramic inks for 3D direct ink writing: A review. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 18-18	6	17
57	Recent Advancements in 3D Printing and Bioprinting Methods for Cardiovascular Tissue Engineering. <i>Bioengineering</i> , 2021 , 8,	5.3	3
56	3D printing technology; methods, biomedical applications, future opportunities and trends. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 1430-1450	5.5	19
55	Converging 2D Nanomaterials and 3D Bioprinting Technology: State-of-the-Art, Challenges, and Potential Outlook in Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101439	10.1	2
54	Rebuilding the hematopoietic stem cell niche: Recent developments and future prospects. <i>Acta Biomaterialia</i> , 2021 , 132, 129-148	10.8	5
53	State-of-art affordable bioprinters: A guide for the DiY community. <i>Applied Physics Reviews</i> , 2021 , 8, 031312	1.3	2
52	Simple Model for the Spreading of Inks in Bioprinting Revealing Relevant Scaling Laws Part I Theory. <i>Macromolecular Theory and Simulations</i> , 2100032	1.5	1
51	FullControl GCode Designer: Open-source software for unconstrained design in additive manufacturing. <i>Additive Manufacturing</i> , 2021 , 46, 102109	6.1	6
50	The promising rise of bioprinting in revolutionizing medical science: Advances and possibilities. <i>Regenerative Therapy</i> , 2021 , 18, 133-145	3.7	5
49	3D-printable conductive materials for tissue engineering and biomedical applications. <i>Bioprinting</i> , 2021 , 24, e00166	7	5
48	Tissue and organ regeneration: An introduction. 2021 , 3-9		1
47	Bioprinting a cell-laden matrix for bone regeneration: A focused review. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49888	2.9	5
46	Synergic Effects of Magnetic Nanoparticles on Hyperthermia-Based Therapy and Controlled Drug Delivery for Bone Substitute Application. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 2809-2820	1.5	24
45	Generalizing hydrogel microparticles into a new class of bioinks for extrusion bioprinting. <i>Science Advances</i> , 2021 , 7, eabk3087	14.3	10
44	Bioink design for extrusion-based bioprinting. <i>Applied Materials Today</i> , 2021 , 25, 101227	6.6	4

43	Graphene Oxide-loaded magnetic nanoparticles within 3D hydrogel form High-performance scaffolds for bone regeneration and tumour treatment. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022 , 152, 106672	8.4	4
42	Nonlinear inclusion theory with application to the growth and morphogenesis of a confined body. <i>Journal of the Mechanics and Physics of Solids</i> , 2022 , 159, 104709	5	2
41	Advancements in 3D Cell Culture Systems for Personalizing Anti-Cancer Therapies.. <i>Frontiers in Oncology</i> , 2021 , 11, 782766	5.3	3
40	3D bioprinting and photocrosslinking: emerging strategies & future perspectives.. <i>Materials Science and Engineering C</i> , 2021 , 112576	8.3	5
39	Tailoring bioinks of extrusion-based bioprinting for cutaneous wound healing.. <i>Bioactive Materials</i> , 2022 , 17, 178-194	16.7	2
38	Emerging trends and prospects of electroconductive bioinks for cell-laden and functional 3D bioprinting. <i>Bio-Design and Manufacturing</i> , 2022 , 5, 396	4.7	1
37	2D Nanosilicate for additive manufacturing: Rheological modifier, sacrificial ink and support bath. <i>Bioprinting</i> , 2022 , 25, e00187	7	3
36	3D-Printed Biomaterials in Biomedical Application. 2022 , 319-339		0
35	Towards Bioinspired Meniscus-Regenerative Scaffolds: Engineering a Novel 3D Bioprinted Patient-Specific Construct Reinforced by Biomimetically Aligned Nanofibers.. <i>International Journal of Nanomedicine</i> , 2022 , 17, 1111-1124	7.3	0
34	3D Tissue-Engineered Vascular Drug Screening Platforms: Promise and Considerations.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 847554	5.4	4
33	Designing Cost-Effective, Open-Source, Multi-Head Bioprinters via Conversion of Hobby-Grade 3D Printers.		
32	Three-dimensional bioprinting of mesenchymal stem cells using an osteoinductive bioink containing alginate and BMP-2-loaded PLGA nanoparticles for bone tissue engineering. 2022 , 212789		3
31	Investigation of Effects of Electrospinning Parameters on Transcription Quality of Nanofibrous Bifurcated-Tubular Scaffold. <i>Macromolecular Materials and Engineering</i> , 2200030	3.9	
30	Cell-Laden Nanocomposite Bioinks for 3D Bioprinting. <i>SSRN Electronic Journal</i> ,	1	
29	3D printing of bio-instructive materials: Toward directing the cell.. <i>Bioactive Materials</i> , 2023 , 19, 292-327	16.7	2
28	Could 3D extrusion bioprinting serve to be a real alternative to organ transplantation in the future?. <i>Annals of 3D Printed Medicine</i> , 2022 , 100066		
27	Cardiovascular 3D bioprinting: A review on cardiac tissue development. <i>Bioprinting</i> , 2022 , e00221	7	2
26	Photo-Crosslinkable Hydrogels for 3D Bioprinting in the Repair of Osteochondral Defects: A Review of Present Applications and Future Perspectives. <i>Micromachines</i> , 2022 , 13, 1038	3.3	1

25	Nanoengineered Ink for Designing 3D Printable Flexible Bioelectronics. <i>ACS Nano</i> , 2022 , 16, 8798-8811	16.7	7
24	Silk Fibroin as a Bioink A Thematic Review of Functionalization Strategies for Bioprinting Applications. <i>ACS Biomaterials Science and Engineering</i> ,	5.5	1
23	Non-Invasive Three-Dimensional Cell Analysis in Bioinks by Raman Imaging. <i>ACS Applied Materials & Interfaces</i> , 2022 , 14, 30455-30465	9.5	2
22	3D Bioprinting: An Enabling Technology to Understand Melanoma. <i>Cancers</i> , 2022 , 14, 3535	6.6	1
21	Designing Cost-Effective Open-Source Multihead 3D Bioprinters. 2022 , 1, 386-400		0
20	Nanocomposite bioinks for 3D bioprinting. 2022 ,		2
19	Perspective Chapter: Design and Characterization of Natural and Synthetic Soft Polymeric Materials with Biomimetic 3D Microarchitecture for Tissue Engineering and Medical Applications.		
18	Effect of varying cell densities on the rheological properties of the bioink. 2022 , 28, e00241		2
17	Solvent types used for the preparation of hydrogels determine their mechanical properties and influence cell viability through gelatine and calcium ions release.		0
16	Discussing the final size and shape of the reconstructed tissues in tissue engineering.		0
15	Bench to Bedside: New Therapeutic Approaches with Extracellular Vesicles and Engineered Biomaterials for Targeting Therapeutic Resistance of Cancer Stem Cells.		0
14	Functional Engineering of Load-Supporting Soft Tissues. 2022 ,		0
13	3D-Printed Hybrid Collagen/GelMA Hydrogels for Tissue Engineering Applications. 2022 , 11, 1561		0
12	Swelling-Dependent Shape-Based Transformation of a Human Mesenchymal Stromal Cells-Laden 4D Bioprinted Construct for Cartilage Tissue Engineering. 2201891		0
11	Optimization of methacrylated gelatin /layered double hydroxides nanocomposite cell-laden hydrogel bioinks with high printability for 3D extrusion bioprinting.		3
10	3D Bioprinting for Pancreas Engineering/Manufacturing. 2022 , 14, 5143		0
9	Recent Progress in Bioprinting: From Bioink Design to Applications. 2022 , 9, 785		0
8	Development of an extrusion-based 3D-printing strategy for clustering of human neural progenitor cells. 2022 , e12250		1

7	Constructing 3D In Vitro Models of Heterocellular Solid Tumors and Stromal Tissues Using Extrusion-Based Bioprinting.	1
6	Optimization of FRESH Microspheres for Substantially Improved 3D Bioprinting Capabilities.	0
5	Design aspects and characterization of hydrogel-based bioinks for extrusion-based bioprinting. 2023 , e00274	0
4	Modeling a Dynamic Printability Window on Polysaccharide Blend Inks for Extrusion Bioprinting. 2023 , 9, 1320-1331	0
3	Preparation and characterization of PVA/Chitosan cross-linked 3D scaffolds for liver tissue engineering. 2023 ,	0
2	Research Progress in Enzymatically Cross-Linked Hydrogels as Injectable Systems for Bioprinting and Tissue Engineering. 2023 , 9, 230	0
1	Characterization of Biocompatibility of Functional Bioinks for 3D Bioprinting. 2023 , 10, 457	0