

# Shreya Mehrotra

## List of Publications by Year in descending order

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docs citations

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times ranked

756  
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#	ARTICLE	IF	CITATIONS
1	Nanoparticle-Based Hybrid Scaffolds for Deciphering the Role of Multimodal Cues in Cardiac Tissue Engineering. ACS Nano, 2019, 13, 12525-12539.	7.3	101
2	3D Printed Cartilage-Like Tissue Constructs with Spatially Controlled Mechanical Properties. Advanced Functional Materials, 2019, 29, 1906330.	7.8	66
3	A Heart-Breast Cancer-on-a-Chip Platform for Disease Modeling and Monitoring of Cardiotoxicity Induced by Cancer Chemotherapy. Small, 2021, 17, e2004258.	5.2	57
4	3D Printing/Bioprinting Based Tailoring of <i>in Vitro</i> Tissue Models: Recent Advances and Challenges. ACS Applied Bio Materials, 2019, 2, 1385-1405.	2.3	52
5	Comprehensive Review on Silk at Nanoscale for Regenerative Medicine and Allied Applications. ACS Biomaterials Science and Engineering, 2019, 5, 2054-2078.	2.6	51
6	Nonmulberry Silk Based Ink for Fabricating Mechanically Robust Cardiac Patches and Endothelialized Myocardium-on-a-Chip Application. Advanced Functional Materials, 2020, 30, 1907436.	7.8	42
7	Engineering Microsphere-Loaded Non-mulberry Silk-Based 3D Bioprinted Vascularized Cardiac Patches with Oxygen-Releasing and Immunomodulatory Potential. ACS Applied Materials & Interfaces, 2021, 13, 50744-50759.	4.0	39
8	Stacked silk-cell monolayers as a biomimetic three dimensional construct for cardiac tissue reconstruction. Journal of Materials Chemistry B, 2017, 5, 6325-6338.	2.9	31
9	Magnetic Actuator Device Assisted Modulation of Cellular Behavior and Tuning of Drug Release on Silk Platform. ACS Biomaterials Science and Engineering, 2019, 5, 92-105.	2.6	27
10	Mimicking Native Heart Tissue Physiology and Pathology in Silk Fibroin Constructs through a Perfusion-Based Dynamic Mechanical Stimulation Microdevice. Advanced Healthcare Materials, 2022, 11, e2101678.	3.9	6
11	3D Printed Tissues: 3D Printed Cartilage-Like Tissue Constructs with Spatially Controlled Mechanical Properties (Adv. Funct. Mater. 51/2019). Advanced Functional Materials, 2019, 29, 1970350.	7.8	3
12	Myocardial Tissue Engineering: Nonmulberry Silk Based Ink for Fabricating Mechanically Robust Cardiac Patches and Endothelialized Myocardium-on-a-Chip Application (Adv. Funct. Mater. 12/2020). Advanced Functional Materials, 2020, 30, 2070079.	7.8	2
13	Organ-on-a-Chip: A Heart-Breast Cancer-on-a-Chip Platform for Disease Modeling and Monitoring of Cardiotoxicity Induced by Cancer Chemotherapy (Small 15/2021). Small, 2021, 17, 2170070.	5.2	0