Sayantani Basu

List of Publications by Year
in descending order

12	480	1040056 9	1199594 12
papers	citations	h-index	g-index

12	12	12	782
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strategies to develop endogenous stem cell-recruiting bioactive materials for tissue repair and regeneration. Advanced Drug Delivery Reviews, 2017, 120, 50-70.	13.7	119
2	Harnessing the Noncovalent Interactions of DNA Backbone with 2D Silicate Nanodisks To Fabricate Injectable Therapeutic Hydrogels. ACS Nano, 2018, 12, 9866-9880.	14.6	96
3	Self-healing DNA-based injectable hydrogels with reversible covalent linkages for controlled drug delivery. Acta Biomaterialia, 2020, 105, 159-169.	8.3	85
4	Controlling Adult Stem Cell Behavior Using Nanodiamond-Reinforced Hydrogel: Implication in Bone Regeneration Therapy. Scientific Reports, 2017, 7, 6577.	3.3	73
5	Nucleic Acid-Based Dual Cross-Linked Hydrogels for in Situ Tissue Repair via Directional Stem Cell Migration. ACS Applied Materials & Interfaces, 2019, 11, 34621-34633.	8.0	27
6	Design of a Cytocompatible Hydrogel Coating to Modulate Properties of Ceramic-Based Scaffolds for Bone Repair. Cellular and Molecular Bioengineering, 2018, 11, 211-217.	2.1	20
7	Fabricating Tough Interpenetrating Network Cryogels with DNA as the Primary Network for Biomedical Applications. ACS Macro Letters, 2020, 9, 1230-1236.	4.8	20
8	Integrated process for preparing porous, surface functionalized polyetherimide microparticles. Polymers for Advanced Technologies, 2015, 26, 1447-1455.	3.2	11
9	Adoption of nanodiamonds as biomedical materials for bone repair. Nanomedicine, 2017, 12, 2709-2713.	3.3	10
10	Effect of extracts of poly(ether imide) microparticles on cytotoxicity, ROS generation and proinflammatory effects on human monocytic (THP-1) cells. Clinical Hemorheology and Microcirculation, 2016, 61, 667-680.	1.7	9
11	Investigation of a 2D WS₂ nanosheet-reinforced tough DNA hydrogel as a biomedical scaffold: preparation and in vitro characterization. Materials Advances, 2022, 3, 946-952.	5.4	8
12	Influence of nanoporous poly(ether imide) particle extracts on human aortic endothelial cells (HAECs). Clinical Hemorheology and Microcirculation, 2017, 64, 931-940.	1.7	2