

Engineering and Functionalization of Gelatin Biomaterials Applications

Tissue Engineering - Part B: Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Recent trends in protein and peptide-based biomaterials for advanced drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2020, 156, 133-187.	6.6	173
2	Innovative Human Three-Dimensional Tissue-Engineered Models as an Alternative to Animal Testing. <i>Bioengineering</i> , 2020, 7, 115.	1.6	72
3	Anatase Incorporation to Bioactive Scaffolds Based on Salmon Gelatin and Its Effects on Muscle Cell Growth. <i>Polymers</i> , 2020, 12, 1943.	2.0	3
4	Advancement of Nanobiomaterials to Deliver Natural Compounds for Tissue Engineering Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6752.	1.8	15
5	Engineered Collagen Matrices. <i>Bioengineering</i> , 2020, 7, 163.	1.6	33
6	Regeneration of skeletal system with genipin crosslinked biomaterials. <i>Journal of Tissue Engineering</i> , 2020, 11, 204173142097486.	2.3	47
7	A facile design of EGF conjugated PLA/gelatin electrospun nanofibers for nursing care of in vivo wound healing applications. <i>Journal of Industrial Textiles</i> , 2020, , 152808372097634.	1.1	14
8	Recent Advances in Marine-Based Nutraceuticals and Their Health Benefits. <i>Marine Drugs</i> , 2020, 18, 627.	2.2	72
9	Chemically Modified Biopolymers for the Formation of Biomedical Hydrogels. <i>Chemical Reviews</i> , 2021, 121, 10908-10949.	23.0	216
10	A Facile Fabrication of Biodegradable and Biocompatible Cross-Linked Gelatin as Screen Printing Substrates. <i>Polymers</i> , 2020, 12, 1186.	2.0	7
11	Blending Gelatin and Cellulose Nanofibrils: Biocomposites with Tunable Degradability and Mechanical Behavior. <i>Nanomaterials</i> , 2020, 10, 1219.	1.9	14
12	Proteins and Peptides as Important Modifiers of the Polymer Scaffolds for Tissue Engineering Applications—A Review. <i>Polymers</i> , 2020, 12, 844.	2.0	116
13	Trb3 controls mesenchymal stem cell lineage fate and enhances bone regeneration by scaffold-mediated local gene delivery. <i>Biomaterials</i> , 2021, 264, 120445.	5.7	24
14	FLASH: Fluorescently Labeled Sensitive Hydrogel to monitor bioscaffolds degradation during neocartilage generation. <i>Biomaterials</i> , 2021, 264, 120383.	5.7	32
15	Measurement methods for the mechanical testing and biocompatibility assessment of polymer-ceramic connective tissue replacements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 171, 108733.	2.5	11
16	3D printed gelatin/hydroxyapatite scaffolds for stem cell chondrogenic differentiation and articular cartilage repair. <i>Biomaterials Science</i> , 2021, 9, 2620-2630.	2.6	73
17	A 3D cell printing-fabricated HepG2 liver spheroid model for high-content <i>in situ</i> quantification of drug-induced liver toxicity. <i>Biomaterials Science</i> , 2021, 9, 5939-5950.	2.6	24
18	Biomaterial-based cell delivery strategies to promote liver regeneration. <i>Biomaterials Research</i> , 2021, 25, 5.	3.2	22

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19	Probing Osteocyte Functions in Gelatin Hydrogels with Tunable Viscoelasticity. <i>Biomacromolecules</i> , 2021, 22, 1115-1126.	2.6	12
20	Cytocompatibility and Suitability of Protein-Based Biomaterials as Potential Candidates for Corneal Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3648.	1.8	9
21	Direct and Label-Free Cell Status Monitoring of Spheroids and Microcarriers Using Microfluidic Impedance Cytometry. <i>Small</i> , 2021, 17, e2007500.	5.2	28
22	Stem cells based in vitro models: trends and prospects in biomaterials cytotoxicity studies. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 042003.	1.7	19
24	Influence of Materials Properties on Bio-Physical Features and Effectiveness of 3D-Scaffolds for Periodontal Regeneration. <i>Molecules</i> , 2021, 26, 1643.	1.7	22
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31	Caveolin-1 mediates soft scaffold-enhanced adipogenesis of human mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2021, 12, 347.	2.4	11
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51	Encapsulation of murine hematopoietic stem and progenitor cells in a thiol-crosslinked maleimide-functionalized gelatin hydrogel. <i>Acta Biomaterialia</i> , 2021, 131, 138-148.	4.1	20
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