

Marta Madaghiele

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,987
citations

185998

28
h-index

182168

51
g-index

63
all docs

63
docs citations

63
times ranked

4186
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of physico-chemical and biological properties of sericin-collagen substrates for PNS regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 403-413.	1.8	9
2	Exploring the effects of the crosslink density on the physicochemical properties of collagen-based scaffolds. <i>Polymer Testing</i> , 2021, 93, 106966.	2.3	16
3	Semi-interpenetrating polymer network cryogels based on poly(ethylene glycol) diacrylate and collagen as potential off-the-shelf platforms for cancer cell research. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 1313-1326.	1.6	5
4	Mimicking the Hierarchical Organization of Natural Collagen: Toward the Development of Ideal Scaffolding Material for Tissue Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 644595.	2.0	57
5	Unique Physical Properties of an Oral Super Absorbent Hydrogel compared to Common Fiber Supplements. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2021, 121, A129.	0.4	0
6	A possible method to avoid skin effect in polymeric scaffold produced through thermally induced phase separation. <i>Results in Engineering</i> , 2021, 12, 100282.	2.2	7
7	Biomimetic cellulose-based superabsorbent hydrogels for treating obesity. <i>Scientific Reports</i> , 2021, 11, 21394.	1.6	6
8	Mechanical and Biological Properties of Magnesium- and Silicon-Substituted Hydroxyapatite Scaffolds. <i>Materials</i> , 2021, 14, 6942.	1.3	8
9	Integration of PLGA Microparticles in Collagen-Based Matrices: Tunable Scaffold Properties and Interaction Between Microparticles and Human Epithelial-Like Cells. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 137-147.	1.8	5
10	Design of Antibody-Functionalized Polymeric Membranes for the Immunoisolation of Pancreatic Islets. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6056.	1.3	1
11	Cellulose Acetate and Cardanol Based Seed Coating for Intraspecific Weeding Coupled with Natural Herbicide Spraying. <i>Journal of Polymers and the Environment</i> , 2020, 28, 2893-2904.	2.4	13
12	Sub- and Supramolecular X-Ray Characterization of Engineered Tissues from Equine Tendon, Bovine Dermis, and Fish Skin Type I Collagen. <i>Macromolecular Bioscience</i> , 2020, 20, e2000017.	2.1	34
13	An insight on type I collagen from horse tendon for the manufacture of implantable devices. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 291-306.	3.6	42
14	Biomimetic gradient scaffold of collagen-hydroxyapatite for osteochondral regeneration. <i>Journal of Tissue Engineering</i> , 2020, 11, 204173141989606.	2.3	42
15	Embryonic stem cell extracts improve wound healing in diabetic mice. <i>Acta Diabetologica</i> , 2020, 57, 883-890.	1.2	26
16	Marine collagen and its derivatives: Versatile and sustainable bio-resources for healthcare. <i>Materials Science and Engineering C</i> , 2020, 113, 110963.	3.8	102
17	Morphological and Mechanical Characterization of P-Scaffolds with Different Porosity. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 361-372.	0.3	0
18	Highly loaded hydroxyapatite microsphere/ PLA porous scaffolds obtained by fused deposition modelling. <i>Ceramics International</i> , 2019, 45, 2803-2810.	2.3	173

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19	Osteoinductive and anti-inflammatory properties of chitosan-based scaffolds for bone regeneration. <i>Materials Science and Engineering C</i> , 2019, 105, 110046.	3.8	40
20	Investigating the Structure-Related Properties of Cellulose-Based Superabsorbent Hydrogels. , 2019, , .		4
21	Investigations of Processing-Induced Structural Changes in Horse Type-I Collagen at Sub and Supramolecular Levels. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 203.	2.0	18
22	Hyaluronic acid for advanced therapies: Promises and challenges. <i>European Polymer Journal</i> , 2019, 117, 134-147.	2.6	52
23	Fast synthesis of poly(ethylene glycol) diacrylate cryogels via UV irradiation. <i>Materials Letters</i> , 2018, 218, 305-308.	1.3	19
24	Effects of processing on structural, mechanical and biological properties of collagen-based substrates for regenerative medicine. <i>Scientific Reports</i> , 2018, 8, 1429.	1.6	80
25	Potential of Electrospun Poly(3-hydroxybutyrate)/Collagen Blends for Tissue Engineering Applications. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-13.	1.1	29
26	Effect of inorganic and organic bioactive signals decoration on the biological performance of chitosan scaffolds for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 62.	1.7	8
27	A novel composite type I collagen scaffold with micropatterned porosity regulates the entrance of phagocytes in a severe model of spinal cord injury. , 2017, 105, 1040-1053.		23
28	A simple approach to synthesize folic acid decorated magnetite@SiO ₂ nanostructures for hyperthermia applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7547-7556.	2.9	16
29	Sterilization of collagen scaffolds designed for peripheral nerve regeneration: Effect on microstructure, degradation and cellular colonization. <i>Materials Science and Engineering C</i> , 2017, 71, 335-344.	3.8	42
30	Poly(lactide-co-glycolide) nanoparticles embedded in a micropatterned collagen scaffold for neuronal tissue regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 359-368.	1.8	7
31	Photo-crosslinked poly(ethylene glycol) diacrylate (PEGDA) hydrogels from low molecular weight prepolymer: Swelling and permeation studies. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	92
32	On-Demand Release of Hydrosoluble Drugs from a Paramagnetic Porous Collagen-Based Scaffold. <i>Chemistry - A European Journal</i> , 2017, 23, 1338-1345.	1.7	13
33	Study on the degradation of chitosan slurries. <i>Results in Physics</i> , 2016, 6, 728-729.	2.0	8
34	Nanostructured active chitosan-based films for food packaging applications: Effect of graphene stacks on mechanical properties. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 90, 418-423.	2.5	58
35	Assessment of collagen crosslinking and denaturation for the design of regenerative scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 186-194.	2.1	55
36	Hybrid Nanocomposites with Magnetic Activation for Advanced Bone Tissue Engineering. , 2016, , 193-224.		0

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37	Synthesis of Chitosan-Based Sub-Micrometric Particles by Simple Coacervation. IEEE Nanotechnology Magazine, 2016, 15, 884-889.	1.1	2
38	Graphene reinforced Chitosan-Cinnamaldehyde derivatives films: antifungal activity and mechanical properties. , 2015, , .		1
39	Preliminary assessment of chitosan nanoparticles for growth factor delivery. , 2015, , .		2
40	Biocompatible Collagen Paramagnetic Scaffold for Controlled Drug Release. Biomacromolecules, 2015, 16, 2599-2608.	2.6	52
41	Experimental Assessment of the Use of a Novel Superabsorbent polymer (SAP) for the Optimization of Water Consumption in Agricultural Irrigation Process. Water (Switzerland), 2014, 6, 2056-2069.	1.2	87
42	Tailoring the pore structure of foam scaffolds for nerve regeneration. , 2014, , 101-128.		6
43	Preparation and characterization of cellulose-based foams via microwave curing. Interface Focus, 2014, 4, 20130053.	1.5	41
44	Crosslinking of micropatterned collagen-based nerve guides to modulate the expected half-life. Journal of Biomedical Materials Research - Part A, 2014, 102, n/a-n/a.	2.1	20
45	Development of Semi- and Grafted Interpenetrating Polymer Networks Based on Poly(Ethylene Glycol) Diacrylate and Collagen. Journal of Applied Biomaterials and Functional Materials, 2014, 12, 183-192.	0.7	13
46	Peripheral nerve morphogenesis induced by scaffold micropatterning. Biomaterials, 2014, 35, 4035-4045.	5.7	39
47	Polymeric hydrogels for burn wound care: Advanced skin wound dressings and regenerative templates. Burns and Trauma, 2014, 2, 153.	0.7	235
48	Potential of Cellulose-Based Superabsorbent Hydrogels as Water Reservoir in Agriculture. International Journal of Polymer Science, 2013, 2013, 1-6.	1.2	178
49	Nerve Tissue Engineering. , 2011, , 435-453.		2
50	Development and characterization of cellulose-based hydrogels for use as dietary bulking agents. Journal of Applied Polymer Science, 2010, 115, 1438-1444.	1.3	39
51	Modeling the fabrication process of micropatterned macromolecular scaffolds for peripheral nerve regeneration. Journal of Applied Polymer Science, 2010, 116, 1879-1888.	1.3	4
52	Biocompatibility and other properties of hydrogels in regenerative medicine. , 2009, , 114-135.		4
53	Biodegradable Cellulose-based Hydrogels: Design and Applications. Materials, 2009, 2, 353-373.	1.3	660
54	Collagen- and gelatine-based films sealing vascular prostheses: evaluation of the degree of crosslinking for optimal blood impermeability. Journal of Materials Science: Materials in Medicine, 2009, 20, 1979-1989.	1.7	37

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55	Tuning the Porosity of Collagen-based Scaffolds for Use as Nerve Regenerative Templates. Journal of Cellular Plastics, 2009, 45, 137-155.	1.2	10
56	Biocompatibility and other properties of hydrogels in regenerative medicine. , 2009, , .		0
57	Collagen-based matrices with axially oriented pores. Journal of Biomedical Materials Research - Part A, 2008, 85A, 757-767.	2.1	114
58	A cellulose-based hydrogel as a potential bulking agent for hypocaloric diets: An in vitro biocompatibility study on rat intestine. Journal of Applied Polymer Science, 2006, 102, 1524-1530.	1.3	51
59	Synthesis and characterization of macroporous poly(ethylene glycol)-based hydrogels for tissue engineering application. Journal of Biomedical Materials Research - Part A, 2006, 79A, 229-236.	2.1	41
60	Crosslinking of cellulose derivatives and hyaluronic acid with water-soluble carbodiimide. Polymer, 2005, 46, 11206-11212.	1.8	128
61	Cellulose Derivative-Hyaluronic Acid-Based Microporous Hydrogels Cross-Linked through Divinyl Sulfone (DVS) To Modulate Equilibrium Sorption Capacity and Network Stability. Biomacromolecules, 2004, 5, 92-96.	2.6	106