

Fabio Salvatore Palumbo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Composite Hydrogels of Alkyl Functionalized Gellan Gum Derivative and Hydroxyapatite/Tricalcium Phosphate Nanoparticles as Injectable Scaffolds for bone Regeneration. <i>Macromolecular Bioscience</i> , 2022, 22, e2100290.	4.1	5
2	Bioactive Scaffolds Based on Amine-Functionalized Gellan Gum for the Osteogenic Differentiation of Gingival Mesenchymal Stem Cells. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1805-1815.	4.4	1
3	Correlating Rheological Properties of a Gellan Gum-Based Bioink: A Study of the Impact of Cell Density. <i>Polymers</i> , 2022, 14, 1844.	4.5	6
4	Photothermal nanofibrillar membrane based on hyaluronic acid and graphene oxide to treat <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> infected wounds. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 470-479.	7.5	15
5	Fabrication of silver nanoparticles by a diethylene triamine-hyaluronic acid derivative and use as antibacterial coating. <i>Carbohydrate Polymers</i> , 2022, 295, 119861.	10.2	10
6	Hyaluronan alkyl derivatives-based electrospun membranes for potential guided bone regeneration: Fabrication, characterization and in vitro osteoinductive properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111438.	5.0	14
7	An asymmetric electrospun membrane for the controlled release of ciprofloxacin and FGF-2: Evaluation of antimicrobial and chemoattractant properties. <i>Materials Science and Engineering C</i> , 2021, 123, 112001.	7.3	18
8	Physicochemical and Rheological Characterization of Different Low Molecular Weight Gellan Gum Products and Derived Iontropic Crosslinked Hydrogels. <i>Gels</i> , 2021, 7, 62.	4.5	20
9	Ciprofloxacin releasing gellan gum/polydopamine based hydrogels with near infrared activated photothermal properties. <i>International Journal of Pharmaceutics</i> , 2021, 610, 121231.	5.2	14
10	Gellan gum-based delivery systems of therapeutic agents and cells. <i>Carbohydrate Polymers</i> , 2020, 229, 115430.	10.2	89
11	Hyaluronic acid based nanohydrogels fabricated by microfluidics for the potential targeted release of Imatinib: Characterization and preliminary evaluation of the antiangiogenic effect. <i>International Journal of Pharmaceutics</i> , 2020, 573, 118851.	5.2	8
12	New gellan gum-graft-poly(d,l-lactide-co-glycolide) copolymers as promising bioinks: Synthesis and characterization. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1653-1667.	7.5	13
13	Production and physicochemical characterization of a new amine derivative of gellan gum and rheological study of derived hydrogels. <i>Carbohydrate Polymers</i> , 2020, 236, 116033.	10.2	24
14	Blend scaffolds with polyaspartamide/polyester structure fabricated via TIPS and their RGDC functionalization to promote osteoblast adhesion and proliferation. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2726-2735.	4.0	2
15	Mucoadhesive PEGylated inulin-based self-assembling nanoparticles: In vitro and ex vivo transcorneal permeation enhancement of corticosteroids. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 49, 195-208.	3.0	25
16	Synthesis and evaluation of thermo-rheological behaviour and ionotropic crosslinking of new gellan gum-alkyl derivatives. <i>Carbohydrate Polymers</i> , 2018, 185, 73-84.	10.2	27
17	Multifibrillar bundles of a self-assembling hyaluronic acid derivative obtained through a microfluidic technique for aortic smooth muscle cell orientation and differentiation. <i>Biomaterials Science</i> , 2018, 6, 2518-2526.	5.4	9
18	Hyaluronic acid and β -elastin based hydrogel for three dimensional culture of vascular endothelial cells. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 46, 28-33.	3.0	16

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19	Spray dried hyaluronic acid microparticles for adhesion controlled aggregation and potential stimulation of stem cells. <i>International Journal of Pharmaceutics</i> , 2017, 519, 332-342.	5.2	12
20	Hyaluronic acid and beta cyclodextrins films for the release of corneal epithelial cells and dexamethasone. <i>Carbohydrate Polymers</i> , 2017, 166, 281-290.	10.2	39
21	Synthesis, mechanical and thermal rheological properties of new gellan gum derivatives. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 646-653.	7.5	40
22	Double-Network-Structured Graphene Oxide-Containing Nanogels as Photothermal Agents for the Treatment of Colorectal Cancer. <i>Biomacromolecules</i> , 2017, 18, 1010-1018.	5.4	61
23	Microfluidic Fabrication of Physically Assembled Nanogels and Micrometric Fibers by Using a Hyaluronic Acid Derivative. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700265.	3.6	10
24	Hyaluronic Acid-Based Micelles as Ocular Platform to Modulate the Loading, Release, and Corneal Permeation of Corticosteroids. <i>Macromolecular Bioscience</i> , 2017, 17, 1700261.	4.1	35
25	Microfluidic production of hyaluronic acid derivative microfibers to control drug release. <i>Materials Letters</i> , 2016, 182, 309-313.	2.6	19
26	Hyaluronic Acid Derivative with Improved Versatility for Processing and Biological Functionalization. <i>Macromolecular Bioscience</i> , 2016, 16, 1485-1496.	4.1	20
27	Modulation of physical and biological properties of a composite PLLA and polyaspartamide derivative obtained via thermally induced phase separation (TIPS) technique. <i>Materials Science and Engineering C</i> , 2016, 67, 561-569.	7.3	16
28	Uptake of silica covered Quantum Dots into living cells: Long term vitality and morphology study on hyaluronic acid biomaterials. <i>Materials Science and Engineering C</i> , 2016, 67, 231-236.	7.3	8
29	Injectable in situ forming hydrogels based on natural and synthetic polymers for potential application in cartilage repair. <i>RSC Advances</i> , 2015, 5, 19715-19723.	3.6	28
30	Matrices of a hydrophobically functionalized hyaluronic acid derivative for the locoregional tumour treatment. <i>Acta Biomaterialia</i> , 2015, 25, 205-215.	8.3	15
31	In situ forming hydrogels of hyaluronic acid and inulin derivatives for cartilage regeneration. <i>Carbohydrate Polymers</i> , 2015, 122, 408-416.	10.2	66
32	A polycarboxylic/amino functionalized hyaluronic acid derivative for the production of pH sensible hydrogels in the prevention of bacterial adhesion on biomedical surfaces. <i>International Journal of Pharmaceutics</i> , 2015, 478, 70-77.	5.2	30
33	Synthesis, characterization and foaming of PHEA-g-PLLA, a new graft copolymer for biomedical engineering. <i>Materials Science and Engineering C</i> , 2014, 41, 301-308.	7.3	18
34	Medicated hydrogels of hyaluronic acid derivatives for use in orthopedic field. <i>International Journal of Pharmaceutics</i> , 2013, 449, 84-94.	5.2	65
35	Chemical hydrogels based on a hyaluronic acid-graft-elastin derivative as potential scaffolds for tissue engineering. <i>Materials Science and Engineering C</i> , 2013, 33, 2541-2549.	7.3	29
36	A new hyaluronic acid pH sensitive derivative obtained by ATRP for potential oral administration of proteins. <i>International Journal of Pharmaceutics</i> , 2013, 457, 150-157.	5.2	41

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37	New hyaluronic acid based brush copolymers synthesized by atom transfer radical polymerization. Carbohydrate Polymers, 2013, 92, 1054-1063.	10.2	21
38	Biocompatible hydrogels based on hyaluronic acid cross-linked with a polyaspartamide derivative as delivery systems for epithelial limbal cells. International Journal of Pharmaceutics, 2011, 414, 104-111.	5.2	30
39	In situ gel forming graft copolymers of a polyaspartamide and polylactic acid: Preparation and characterization. European Polymer Journal, 2008, 44, 3764-3775.	5.4	17
40	Inulin-iron complexes: A potential treatment of iron deficiency anaemia. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 267-276.	4.3	66
41	Effect of alkyl derivatization of gellan gum during the fabrication of electrospun membranes. Journal of Industrial Textiles, 0, , 152808372110075.	2.4	3