Calogero Fiorica

List of Publications by Year
in descending order

60 papers	1,321 citations	331670 21 h-index	377865 34 g-index
61 all docs	61 docs citations	61 times ranked	1836 citing authors

#	Article	IF	Citations
1	Gellan gum-based delivery systems of therapeutic agents and cells. Carbohydrate Polymers, 2020, 229, 115430.	10.2	89
2	Development of an Ibuprofenâ€releasing biodegradable PLA/PGA electrospun scaffold for tissue regeneration. Biotechnology and Bioengineering, 2010, 105, 396-408.	3.3	84
3	In situ forming hydrogels of hyaluronic acid and inulin derivatives for cartilage regeneration. Carbohydrate Polymers, 2015, 122, 408-416.	10.2	66
4	Self-assembled amphiphilic hyaluronic acid graft copolymers for targeted release of antitumoral drug. Journal of Drug Targeting, 2010, 18, 264-276.	4.4	65
5	Medicated hydrogels of hyaluronic acid derivatives for use in orthopedic field. International Journal of Pharmaceutics, 2013, 449, 84-94.	5.2	65
6	Double-Network-Structured Graphene Oxide-Containing Nanogels as Photothermal Agents for the Treatment of Colorectal Cancer. Biomacromolecules, 2017, 18, 1010-1018.	5.4	61
7	In situ forming hydrogels of new amino hyaluronic acid/benzoyl-cysteine derivatives as potential scaffolds for cartilage regeneration. Soft Matter, 2012, 8, 4918.	2.7	41
8	A new hyaluronic acid pH sensitive derivative obtained by ATRP for potential oral administration of proteins. International Journal of Pharmaceutics, 2013, 457, 150-157.	5.2	41
9	Hyaluronic acid and beta cyclodextrins films for the release of corneal epithelial cells and dexamethasone. Carbohydrate Polymers, 2017, 166, 281-290.	10.2	39
10	A hyaluronic acid/cyclodextrin based injectable hydrogel for local doxorubicin delivery to solid tumors. International Journal of Pharmaceutics, 2020, 589, 119879.	5.2	39
11	Polymeric Nanocarriers for Magnetic Targeted Drug Delivery: Preparation, Characterization, and in Vitro and in Vivo Evaluation. Molecular Pharmaceutics, 2013, 10, 4397-4407.	4.6	38
12	New self-assembling polyaspartylhydrazide copolymer micelles for anticancer drug delivery. International Journal of Pharmaceutics, 2010, 396, 219-228.	5.2	33
13	Imatinib-Loaded Micelles of Hyaluronic Acid Derivatives for Potential Treatment of Neovascular Ocular Diseases. Molecular Pharmaceutics, 2018, 15, 5031-5045.	4.6	32
14	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
15	Hybrid Gold/Silica/Quantum-Dots supramolecular-nanostructures encapsulated in polymeric micelles as potential theranostic tool for targeted cancer therapy. European Polymer Journal, 2018, 105, 38-47.	5.4	30
16	Chemical hydrogels based on a hyaluronic acid-graft-Î±-elastin derivative as potential scaffolds for tissue engineering. Materials Science and Engineering C, 2013, 33, 2541-2549.	7.3	29
17	Injectable in situ forming hydrogels based on natural and synthetic polymers for potential application in cartilage repair. RSC Advances, 2015, 5, 19715-19723.	3.6	28
18	Synthesis and evaluation of thermo-rheological behaviour and ionotropic crosslinking of new gellan gum-alkyl derivatives. Carbohydrate Polymers, 2018, 185, 73-84.	10.2	27

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19	Heparin functionalized polyaspartamide/polyester scaffold for potential blood vessel regeneration. Journal of Biomedical Materials Research - Part A, 2014, 102, 1334-1341.	4.0	26
20	Production and physicochemical characterization of a new amine derivative of gellan gum and rheological study of derived hydrogels. Carbohydrate Polymers, 2020, 236, 116033.	10.2	24
21	New hyaluronic acid based brush copolymers synthesized by atom transfer radical polymerization. Carbohydrate Polymers, 2013, 92, 1054-1063.	10.2	21
22	Using Polymeric Scaffolds for Vascular Tissue Engineering. International Journal of Polymer Science, 2014, 2014, 1-9.	2.7	20
23	Hyaluronic Acid Derivative with Improved Versatility for Processing and Biological Functionalization. Macromolecular Bioscience, 2016, 16, 1485-1496.	4.1	20
24	Physicochemical and Rheological Characterization of Different Low Molecular Weight Gellan Gum Products and Derived Ionotropic Crosslinked Hydrogels. Gels, 2021, 7, 62.	4.5	20
25	An asymmetric electrospun membrane for the controlled release of ciprofloxacin and FGF-2: Evaluation of antimicrobial and chemoattractant properties. Materials Science and Engineering C, 2021, 123, 112001.	7.3	18
26	Interaction between Drug Loaded Polyaspartamide-Polylactide-Polysorbate Based Micelles and Cell Membrane Models: A Calorimetric Study. Molecular Pharmaceutics, 2011, 8, 642-650.	4.6	17
27	Polyaspartamide<i>â€graftâ€</i>Polymethacrylate Nanoparticles for Doxorubicin Delivery. Macromolecular Bioscience, 2011, 11, 445-454.	4.1	17
28	An allergen-polymeric nanoaggregate as a new tool for allergy vaccination. International Journal of Pharmaceutics, 2014, 465, 275-283.	5.2	17
29	Inulinâ€Based Hydrogel for Oral Delivery of Flutamide: Preparation, Characterization, and in vivo Release Studies. Macromolecular Bioscience, 2012, 12, 770-778.	4.1	16
30	Hyaluronic acid and Î±-elastin based hydrogel for three dimensional culture of vascular endothelial cells. Journal of Drug Delivery Science and Technology, 2018, 46, 28-33.	3.0	16
31	Matrices of a hydrophobically functionalized hyaluronic acid derivative for the locoregional tumour treatment. Acta Biomaterialia, 2015, 25, 205-215.	8.3	15
32	Photothermal nanofibrillar membrane based on hyaluronic acid and graphene oxide to treat Staphylococcus aureus and Pseudomonas aeruginosa infected wounds. International Journal of Biological Macromolecules, 2022, 214, 470-479.	7.5	15
33	Construction and evaluation of sponge scaffolds from hyaluronic acid derivatives for potential cartilage regeneration. Journal of Materials Chemistry B, 2014, 2, 3243.	5.8	14
34	Hyaluronan alkyl derivatives-based electrospun membranes for potential guided bone regeneration: Fabrication, characterization and in vitro osteoinductive properties. Colloids and Surfaces B: Biointerfaces, 2021, 197, 111438.	5.0	14
35	Ciprofloxacin releasing gellan gum/polydopamine based hydrogels with near infrared activated photothermal properties. International Journal of Pharmaceutics, 2021, 610, 121231.	5.2	14
36	Injectable in situ forming microgels of hyaluronic acid-g-polylactic acid for methylprednisolone release. European Polymer Journal, 2013, 49, 718-725.	5.4	13

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37	A facile way to build up branched high functional polyaminoacids with tunable physicochemical and biological properties. European Polymer Journal, 2016, 77, 124-138.	5.4	13
38	New gellan gum-graft-poly(d,l-lactide-co-glycolide) copolymers as promising bioinks: Synthesis and characterization. International Journal of Biological Macromolecules, 2020, 162, 1653-1667.	7.5	13
39	Spray dried hyaluronic acid microparticles for adhesion controlled aggregation and potential stimulation of stem cells. International Journal of Pharmaceutics, 2017, 519, 332-342.	5.2	12
40	Polyaspartamide based hydrogel with cell recruitment properties for the local administration of hydrophobic anticancer drugs. Reactive and Functional Polymers, 2019, 138, 9-17.	4.1	11
41	Dexamethasone Dipropionate Loaded Nanoparticles of Î±-Elastin-g-PLGA for Potential Treatment of Restenosis. Molecular Pharmaceutics, 2013, 10, 4603-4610.	4.6	10
42	Microfluidic Fabrication of Physically Assembled Nanogels and Micrometric Fibers by Using a Hyaluronic Acid Derivative. Macromolecular Materials and Engineering, 2017, 302, 1700265.	3.6	10
43	A self-sterilizing fluorescent nanocomposite as versatile material with broad-spectrum antibiofilm features. Materials Science and Engineering C, 2020, 117, 111308.	7.3	10
44	Fabrication of silver nanoparticles by a diethylene triamine-hyaluronic acid derivative and use as antibacterial coating. Carbohydrate Polymers, 2022, 295, 119861.	10.2	10
45	Multifibrillar bundles of a self-assembling hyaluronic acid derivative obtained through a microfluidic technique for aortic smooth muscle cell orientation and differentiation. Biomaterials Science, 2018, 6, 2518-2526.	5.4	9
46	In-situ forming gel-like depot of a polyaspartamide-polylactide copolymer for once a week administration of sulpiride. Journal of Pharmacy and Pharmacology, 2014, 67, 78-86.	2.4	8
47	Uptake of silica covered Quantum Dots into living cells: Long term vitality and morphology study on hyaluronic acid biomaterials. Materials Science and Engineering C, 2016, 67, 231-236.	7.3	8
48	Photocrosslinkable polyaspartamide/polylactide copolymer and its porous scaffolds for chondrocytes. Materials Science and Engineering C, 2017, 76, 794-801.	7.3	8
49	Hyaluronic acid based nanohydrogels fabricated by microfluidics for the potential targeted release of Imatinib: Characterization and preliminary evaluation of the antiangiogenic effect. International Journal of Pharmaceutics, 2020, 573, 118851.	5.2	8
50	New copolymers graft of Î±,Î²-poly(N-2-hydroxyethyl)-d,l-aspartamide obtained from atom transfer radical polymerization as vector for gene delivery. Reactive and Functional Polymers, 2012, 72, 268-278.	4.1	6
51	Production of a Double-Layer Scaffold for the â€œOn-Demandâ€•Release of Fibroblast-like Limbal Stem Cells. ACS Applied Materials & Interfaces, 2019, 11, 22206-22217.	8.0	6
52	Correlating Rheological Properties of a Gellan Gum-Based Bioink: A Study of the Impact of Cell Density. Polymers, 2022, 14, 1844.	4.5	6
53	Composite Hydrogels of Alkyl Functionalized Gellan Gum Derivative and Hydroxyapatite/Tricalcium Phosphate Nanoparticles as Injectable Scaffolds for bone Regeneration. Macromolecular Bioscience, 2022, 22, e2100290.	4.1	5
54	Correction to â€œDexamethasone Dipropionate Loaded Nanoparticles of Î±-Elastin-g-PLGA for Potential Treatment of Restenosisâ€• Molecular Pharmaceutics, 2014, 11, 651-651.	4.6	3

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55	Effect of alkyl derivatization of gellan gum during the fabrication of electrospun membranes. Journal of Industrial Textiles, 0, , 152808372110075.	2.4	3
56	A methacrylic hyaluronic acid derivative for potential application in oral treatment of celiac disease. Drug Development and Industrial Pharmacy, 2017, 43, 1480-1488.	2.0	2
57	Mechanical characterization of polysaccharide/polyaminoacid hydrogels as potential scaffolds for tissue regeneration. Macromolecular Research, 2011, 19, 1264-1271.	2.4	1
58	Hyaluronic Acid-g-Copolymers: Synthesis, Properties, and Applications. , 2013, , 291-323.		1
59	Chemical stiffening of constructs between polymeric microparticles based on a hyaluronic acid derivative and mesenchymal stem cells: rheological and <i>in vitro</i> viability studies. Polymer International, 2019, 68, 394-399.	3.1	1
60	Bioactive Scaffolds Based on Amine-Functionalized Gellan Gum for the Osteogenic Differentiation of Gingival Mesenchymal Stem Cells. ACS Applied Polymer Materials, 2022, 4, 1805-1815.	4.4	1