Carolina MuÃ±oz-Camargo

List of Publications by Year
in descending order

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40 papers	691 citations	759055 12 h-index	642610 23 g-index
42 all docs	42 docs citations	42 times ranked	605 citing authors

#	Article	IF	Citations
1	Computational Characterization of Mechanical, Hemodynamic, and Surface Interaction Conditions: Role of Protein Adsorption on the Regenerative Response of TEVGs. International Journal of Molecular Sciences, 2022, 23, 1130.	1.8	1
2	Microfluidic Synthesis and Purification of Magnetoliposomes for Potential Applications in the Gastrointestinal Delivery of Difficult-to-Transport Drugs. Pharmaceutics, 2022, 14, 315.	2.0	9
3	Failure Analysis of TEVGâ€™s II: Late Failure and Entering the Regeneration Pathway. Cells, 2022, 11, 939.	1.8	4
4	Preparation and Characterization of an Injectable and Photo-Responsive Chitosan Methacrylate/Graphene Oxide Hydrogel: Potential Applications in Bone Tissue Adhesion and Repair. Polymers, 2022, 14, 126.	2.0	17
5	Blood-Vessel-Inspired Hierarchical Trilayer Scaffolds: PCL/Gelatin-Driven Protein Adsorption and Cellular Interaction. Polymers, 2022, 14, 2135.	2.0	4
6	Rational Discovery of Antimicrobial Peptides by Means of Artificial Intelligence. Membranes, 2022, 12, 708.	1.4	8
7	PharmaNet: Pharmaceutical discovery with deep recurrent neural networks. PLoS ONE, 2021, 16, e0241728.	1.1	6
8	Graphene Oxide-Embedded Extracellular MatrixDerived Hydrogel as a Multiresponsive Platform for 3D Bioprinting Applications. International Journal of Bioprinting, 2021, 7, 353.	1.7	33
9	Antioxidant and Neuroprotective Properties of Non-Centrifugal Cane Sugar and Other Sugarcane Derivatives in an In Vitro Induced Parkinsonâ€™s Model. Antioxidants, 2021, 10, 1040.	2.2	16
10	Understanding the Potential of Genome Editing in Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 9241.	1.8	3
11	Recent Advances on Stimuli-Responsive Hydrogels Based on Tissue-Derived ECMs and Their Components: Towards Improving Functionality for Tissue Engineering and Controlled Drug Delivery. Polymers, 2021, 13, 3263.	2.0	6
12	Bioactive Poly(lactic acid)â€“Cocoa Bean Shell Composites for Biomaterial Formulation: Preparation and Preliminary In Vitro Characterization. Polymers, 2021, 13, 3707.	2.0	9
13	Mechanical characterization of novel vascular grafts: approaching to the native vessel behavior. , 2021, , .		0
14	Novel anticancer agents based on co-immobilization of Temozolomide and Hydroxyurea on Magnetite-Buforin II nanobioconjugates: efficacy study in 3D Glioblastoma spheroids. , 2021, , .		0
15	Failure Analysis of TEVGâ€™s I: Overcoming the Initial Stages of Blood Material Interaction and Stabilization of the Immune Response. Cells, 2021, 10, 3140.	1.8	13
16	Highly Efficient Synthesis of Type B Gelatin and Low Molecular Weight Chitosan Nanoparticles: Potential Applications as Bioactive Molecule Carriers and Cell-Penetrating Agents. Polymers, 2021, 13, 4078.	2.0	9
17	Design and Manufacture of a Low-Cost Microfluidic System for the Synthesis of Giant Liposomes for the Encapsulation of Yeast Homologues: Applications in the Screening of Membrane-Active Peptide Libraries. Micromachines, 2021, 12, 1377.	1.4	1
18	Synthesis, Characterization, and Functionalization of Chitosan and Gelatin Type B Nanoparticles to Develop Novel Highly Biocompatible Cell-Penetrating Agents. Materials Proceedings, 2021, 4, 30.	0.2	2

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19	Potential Bone Fillers Based on Composites of Cocoa Bean Shells and Poly(Lactic Acid): Compression Molding Manufacturing. , 2021, , .		1
20	Bio-molecular interactions: blood components, cells and biomaterials in the regeneration of acellular vascular grafts. , 2021, , .		0
21	Magnetiteâ€“OmpA Nanobioconjugates as Cell-Penetrating Vehicles with Endosomal Escape Abilities. ACS Biomaterials Science and Engineering, 2020, 6, 415-424.	2.6	28
22	Design and Characterization of a Fluidic Device for the Evaluation of SIS-Based Vascular Grafts. Processes, 2020, 8, 1198.	1.3	2
23	Synthesis of Nanoscale Liposomes via Low-Cost Microfluidic Systems. Micromachines, 2020, 11, 1050.	1.4	14
24	An image J plugin for the high throughput image analysis of in vitro scratch wound healing assays. PLoS ONE, 2020, 15, e0232565.	1.1	232
25	Tailoring Iron Oxide Nanoparticles for Efficient Cellular Internalization and Endosomal Escape. Nanomaterials, 2020, 10, 1816.	1.9	38
26	Design, Screening, and Testing of Non-Rational Peptide Libraries with Antimicrobial Activity: In Silico and Experimental Approaches. Antibiotics, 2020, 9, 854.	1.5	20
27	PH-Responsive, Cell-Penetrating, Core/Shell Magnetite/Silver Nanoparticles for the Delivery of Plasmids: Preparation, Characterization, and Preliminary In Vitro Evaluation. Pharmaceutics, 2020, 12, 561.	2.0	29
28	Magnetite Nanoparticles Functionalized with RNases against Intracellular Infection of Pseudomonas aeruginosa. Pharmaceutics, 2020, 12, 631.	2.0	6
29	Cytotoxic and antiproliferative activities of amphibian (anuran) skin extracts on human acute monocytic leukemia cells. Toxicon, 2020, 177, 25-34.	0.8	4
30	A Chemo-Mechanical Model of the Spreading of Endothelial Cells on the Lumen of Functionalized TEVGs. Materials Proceedings, 2020, 4, .	0.2	0
31	Synthesis and Characterisation of Dimeric Bolaamphiphilic Dehydrodipeptides for Biomedical Applications. Materials Proceedings, 2020, 4, .	0.2	0
32	Delivery of Linear Gene-Editing Systems by Cell-Penetrating Magnetite Vehicles: Synthesis, Characterization and Preliminary In Vitro Testing. Materials Proceedings, 2020, 4, .	0.2	0
33	Cell-Penetrating And Antibacterial BUF-II Nanobioconjugates: Enhanced Potency Via Immobilization On Polyetheramine-Modified Magnetite Nanoparticles . International Journal of Nanomedicine, 2019, Volume 14, 8483-8497.	3.3	26
34	Tridimensional alginate disks of tunable topologies for mammalian cell encapsulation. Analytical Biochemistry, 2019, 574, 31-33.	1.1	5
35	Formulation and Characterization of a SIS-Based Photocrosslinkable Bioink. Polymers, 2019, 11, 569.	2.0	24
36	Novel BUF2-magnetite nanobioconjugates with cell-penetrating abilities. International Journal of Nanomedicine, 2018, Volume 13, 8087-8094.	3.3	28

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37	Unveiling the Multifaceted Mechanisms of Antibacterial Activity of Buforin II and Frenatin 2.3S Peptides from Skin Micro-Organs of the Orinoco Lime Treefrog (Sphaenorhynchus lacteus). International Journal of Molecular Sciences, 2018, 19, 2170.	1.8	29
38	Frog skin cultures secrete anti-yellow fever compounds. Journal of Antibiotics, 2016, 69, 783-790.	1.0	10
39	Skin micro-organs from several frog species secrete a repertoire of powerful antimicrobials in culture. Journal of Antibiotics, 2012, 65, 461-467.	1.0	9
40	Evaluating the Impact of Thermal Processing on the Anti-Inflammatory Activity of Non-Centrifugal Cane Sugar: Implications on Cytokine Secretion and TLR4 Signaling. Frontiers in Pharmacology, 0, 13, .	1.6	2