

Rui R Costa

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,500
citations

448610

19
h-index

488211

31
g-index

35
all docs

35
docs citations

35
times ranked

2702
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycosaminoglycans as polyelectrolytes: implications in bioactivity and assembly of biomedical devices. <i>International Materials Reviews</i> , 2022, 67, 765-795.	9.4	5
2	Liposomes embedded in layer by layer constructs as simplistic extracellular vesicles transfer model. <i>Materials Science and Engineering C</i> , 2021, 121, 111813.	3.8	7
3	Oxidized Cashew Gum Scaffolds for Tissue Engineering. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800574.	1.7	23
4	Mineralization of Layer-by-Layer Ultrathin Films Containing Microfluidic-Produced Hydroxyapatite Nanorods. <i>Crystal Growth and Design</i> , 2019, 19, 6351-6359.	1.4	6
5	Bioinspired baroplastic glycosaminoglycan sealants for soft tissues. <i>Acta Biomaterialia</i> , 2019, 87, 108-117.	4.1	16
6	Development of Inhalable Superparamagnetic Iron Oxide Nanoparticles (SPIONs) in Microparticulate System for Antituberculosis Drug Delivery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800124.	3.9	34
7	Tuning the Stiffness of Surfaces by Assembling Genetically Engineered Polypeptides with Tailored Amino Acid Sequence. <i>Biomacromolecules</i> , 2018, 19, 3401-3411.	2.6	6
8	Natural based eumelanin nanoparticles functionalization and preliminary evaluation as carrier for gentamicin. <i>Reactive and Functional Polymers</i> , 2017, 114, 38-48.	2.0	16
9	The potential of cashew gum functionalization as building blocks for layer-by-layer films. <i>Carbohydrate Polymers</i> , 2017, 174, 849-857.	5.1	19
10	Multilayered Films Produced by Layer-by-Layer Assembly of Chitosan and Alginate as a Potential Platform for the Formation of Human Adipose-Derived Stem Cell aggregates. <i>Polymers</i> , 2017, 9, 440.	2.0	19
11	Marine Origin Polysaccharides in Drug Delivery Systems. <i>Marine Drugs</i> , 2016, 14, 34.	2.2	205
12	Chitosan/Chondroitin Sulfate Membranes Produced by Polyelectrolyte Complexation for Cartilage Engineering. <i>Biomacromolecules</i> , 2016, 17, 2178-2188.	2.6	62
13	Enzymatic Degradation of Polysaccharide-Based Layer-by-Layer Structures. <i>Biomacromolecules</i> , 2016, 17, 1347-1357.	2.6	60
14	Drug nano-reservoirs synthesized using layer-by-layer technologies. <i>Biotechnology Advances</i> , 2015, 33, 1310-1326.	6.0	67
15	pH Responsiveness of Multilayered Films and Membranes Made of Polysaccharides. <i>Langmuir</i> , 2015, 31, 11318-11328.	1.6	58
16	Compact Saloplastic Membranes of Natural Polysaccharides for Soft Tissue Engineering. <i>Chemistry of Materials</i> , 2015, 27, 7490-7502.	3.2	53
17	Compartmentalized bioencapsulated liquefied 3D macro-construct by perfusion-based layer-by-layer technique. <i>RSC Advances</i> , 2015, 5, 2511-2516.	1.7	13
18	Polyelectrolyte multilayered assemblies in biomedical technologies. <i>Chemical Society Reviews</i> , 2014, 43, 3453.	18.7	262

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19	Cellular uptake of multilayered capsules produced with natural and genetically engineered biomimetic macromolecules. <i>Acta Biomaterialia</i> , 2014, 10, 2653-2662.	4.1	29
20	Layer-by-layer self-assembly techniques for nanostructured devices in tissue engineering. , 2013, , 88-118.		5
21	Nanostructured and thermoresponsive recombinant biopolymer-based microcapsules for the delivery of active molecules. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 895-902.	1.7	37
22	Adhesive nanostructured multilayer films using a bacterial exopolysaccharide for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2367.	2.9	69
23	Layer-by-Layer Film Growth Using Polysaccharides and Recombinant Polypeptides: A Combinatorial Approach. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6839-6848.	1.2	31
24	Multifunctional Compartmentalized Capsules with a Hierarchical Organization from the Nano to the Macro Scales. <i>Biomacromolecules</i> , 2013, 14, 2403-2410.	2.6	55
25	Nanostructured 3D Constructs Based on Chitosan and Chondroitin Sulphate Multilayers for Cartilage Tissue Engineering. <i>PLoS ONE</i> , 2013, 8, e55451.	1.1	105
26	Nanostructured Thin Coatings from Chitosan and an Elastin-Like Recombinamer with Acute Stimuli-Responsive Behavior. <i>Materials Science Forum</i> , 2012, 730-732, 32-37.	0.3	1
27	Layer-by-Layer Assembly of Chitosan and Recombinant Biopolymers into Biomimetic Coatings with Multiple Stimuli-Responsive Properties. <i>Small</i> , 2011, 7, 2640-2649.	5.2	97
28	Stimuli-Responsive Thin Coatings Using Elastin-Like Polymers for Biomedical Applications. <i>Advanced Functional Materials</i> , 2009, 19, 3210-3218.	7.8	83
29	Multi-Layered Films Containing a Biomimetic Stimuli-Responsive Recombinant Protein. <i>Nanoscale Research Letters</i> , 2009, 4, 1247-1253.	3.1	31
30	TERMIS EU 2008 Porto Meeting June 22-26, 2008 Porto Congress Center-Alfândega Portugal. <i>Tissue Engineering - Part A</i> , 2008, 14, 691-943.	1.6	6