

# Ramon Novoa-Carballal

## List of Publications by Citations

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46  
papers

2,183  
citations

23  
h-index

46  
g-index

49  
ext. papers

2,446  
ext. citations

7.8  
avg, IF

4.75  
L-index

#	Paper	IF	Citations
46	Chitosan-PEG nanocapsules as new carriers for oral peptide delivery. Effect of chitosan pegylation degree. <i>Journal of Controlled Release</i> , <b>2006</b> , 111, 299-308	11.7	266
45	Development and brain delivery of chitosan-PEG nanoparticles functionalized with the monoclonal antibody OX26. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 1503-11	6.3	247
44	Controlling cancer cell fate using localized biocatalytic self-assembly of an aromatic carbohydrate amphiphile. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 576-9	16.4	213
43	A nanomedicine transports a peptide caspase-3 inhibitor across the blood-brain barrier and provides neuroprotection. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 13761-9	6.6	139
42	Optimal routine conditions for the determination of the degree of acetylation of chitosan by <sup>1</sup> H-NMR. <i>Carbohydrate Polymers</i> , <b>2005</b> , 61, 155-161	10.3	95
41	NMR methods for unravelling the spectra of complex mixtures. <i>Natural Product Reports</i> , <b>2011</b> , 28, 78-98	15.1	90
40	Glycosaminoglycans from marine sources as therapeutic agents. <i>Biotechnology Advances</i> , <b>2017</b> , 35, 711-725	12.58	87
39	Structural analysis of fructans produced by acetic acid bacteria reveals a relation to hydrocolloid function. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 1234-42	10.3	78
38	Systemically administered brain-targeted nanoparticles transport peptides across the blood-brain barrier and provide neuroprotection. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2015</b> , 35, 469-75	7.3	76
37	Hyaluronic acid/chitosan-g-poly(ethylene glycol) nanoparticles for gene therapy: an application for pDNA and siRNA delivery. <i>Pharmaceutical Research</i> , <b>2010</b> , 27, 2544-55	4.5	74
36	The Key Role of Sulfation and Branching on Fucoïdan Antitumor Activity. <i>Macromolecular Bioscience</i> , <b>2017</b> , 17, 1600340	5.5	58
35	Conjugation of bioactive ligands to PEG-grafted chitosan at the distal end of PEG. <i>Biomacromolecules</i> , <b>2007</b> , 8, 833-42	6.9	57
34	Synthesis of polysaccharide-b-PEG block copolymers by oxime click. <i>Chemical Communications</i> , <b>2012</b> , 48, 3781-3	5.8	56
33	Ionically crosslinked chitosan nanoparticles as gene delivery systems: effect of PEGylation degree on in vitro and in vivo gene transfer. <i>Journal of Biomedical Nanotechnology</i> , <b>2009</b> , 5, 162-71	4	51
32	Neovascularization Induced by the Hyaluronic Acid-Based Spongy-Like Hydrogels Degradation Products. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33464-33474	9.5	47
31	Minimalistic supramolecular proteoglycan mimics by co-assembly of aromatic peptide and carbohydrate amphiphiles. <i>Chemical Science</i> , <b>2019</b> , 10, 2385-2390	9.4	37
30	Anti-tumor efficacy of chitosan-g-poly(ethylene glycol) nanocapsules containing docetaxel: anti-TMEFF-2 functionalized nanocapsules vs. non-functionalized nanocapsules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2013</b> , 83, 330-7	5.7	37

29	Novel amphiphilic chitosan micelles as carriers for hydrophobic anticancer drugs. <i>Materials Science and Engineering C</i> , <b>2020</b> , 112, 110920	8.3	34
28	Dynamics of chitosan by (1)h NMR relaxation. <i>Biomacromolecules</i> , <b>2010</b> , 11, 2079-86	6.9	30
27	Isolation and Chemical Characterization of Chondroitin Sulfate from Cartilage By-Products of Blackmouth Catshark (). <i>Marine Drugs</i> , <b>2018</b> , 16,	6	29
26	By-products of <i>Scyliorhinus canicula</i> , <i>Prionace glauca</i> and <i>Raja clavata</i> : A valuable source of predominantly 6S sulfated chondroitin sulfate. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 31-37	10.3	28
25	Optimization of high purity chitin and chitosan production from <i>Illex argentinus pens</i> by a combination of enzymatic and chemical processes. <i>Carbohydrate Polymers</i> , <b>2017</b> , 174, 262-272	10.3	26
24	Optimal isolation and characterisation of chondroitin sulfate from rabbit fish ( <i>Chimaera monstrosa</i> ). <i>Carbohydrate Polymers</i> , <b>2019</b> , 210, 302-313	10.3	25
23	The influence of concentration and pH on the structure and rheology of cationic surfactant/hydrotrope structured fluids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 489, 311-321	5.1	23
22	Tunable nano-carriers from clicked glycosaminoglycan block copolymers. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 4177-4184	7.3	22
21	Interpolyelectrolyte complexes based on hyaluronic acid-block-poly(ethylene glycol) and poly-L-lysine. <i>Soft Matter</i> , <b>2013</b> , 9, 4297	3.6	22
20	GATG dendrimers and PEGylated block copolymers: from synthesis to bioapplications. <i>AAPS Journal</i> , <b>2014</b> , 16, 948-61	3.7	21
19	The dynamics of GATG glycodendrimers by NMR diffusion and quantitative (13)C relaxation. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 6587-9	3.6	21
18	An integral and sustainable valorisation strategy of squid pen by-products. <i>Journal of Cleaner Production</i> , <b>2018</b> , 201, 207-218	10.3	20
17	Chitosan hydrophobic domains are favoured at low degree of acetylation and molecular weight. <i>Polymer</i> , <b>2013</b> , 54, 2081-2087	3.9	20
16	Redox-Responsive Micellar Nanoparticles from Glycosaminoglycans for CD44 Targeted Drug Delivery. <i>Biomacromolecules</i> , <b>2018</b> , 19, 2991-2999	6.9	20
15	Following the enzymatic digestion of chondroitin sulfate by a simple GPC analysis. <i>Analytica Chimica Acta</i> , <b>2015</b> , 885, 207-13	6.6	18
14	Disclosing an NMR-invisible fraction in chitosan and PEGylated copolymers and its role on the determination of degrees of substitution. <i>Molecular Pharmaceutics</i> , <b>2013</b> , 10, 3225-31	5.6	18
13	A multifunctional drug nanocarrier for efficient anticancer therapy. <i>Journal of Controlled Release</i> , <b>2019</b> , 294, 154-164	11.7	17
12	Interpolyelectrolyte complexes with a polysaccharide corona from dextran-block-PDMAEMA diblock copolymers. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 2278	4.9	16

11	Design of protein delivery systems by mimicking extracellular mechanisms for protection of growth factors. <i>Acta Biomaterialia</i> , <b>2017</b> , 63, 283-293	10.8	15
10	Paramagnetic NMR relaxation in polymeric matrixes: sensitivity enhancement and selective suppression of embedded species (1H and 13C PSR filter). <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 15164-73	16.4	13
9	Polysaccharides meet dendrimers to fine-tune the stability and release properties of polyion complex micelles. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 4709-4717	4.9	9
8	Structure, rheology, and copper-complexation of a hyaluronan-like exopolysaccharide from <i>Vibrio</i> . <i>Carbohydrate Polymers</i> , <b>2019</b> , 222, 114999	10.3	7
7	Bactericidal nanopatterns generated by block copolymer self-assembly. <i>Acta Biomaterialia</i> , <b>2020</b> , 112, 174-181	10.8	6
6	Star-Like Glycosaminoglycans with Superior Bioactivity Assemble with Proteins into Microfibers. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 14341-14345	4.8	5
5	Hyperbranched and Hyperstar Polybutadienes via Anionic Self-Condensing Vinyl Copolymerization. <i>Macromolecules</i> , <b>2021</b> , 54, 5774-5783	5.5	3
4	Chitosan Copolymers for Biopharmaceuticals <b>2012</b> , 333-380		2
3	Unveiling an NMR-Invisible Fraction of Polymers in Solution by Saturation Transfer Difference.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 1474-1479	6.6	1
2	Antithrombotic and hemocompatible properties of nanostructured coatings assembled from block copolymers. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 608, 1608-1618	9.3	0
1	Hyaluronic Acid Oligomer Immobilization as an Angiogenic Trigger for the Neovascularization of TE Constructs.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 6023-6035	4.1	0