Ramon Novoa-Carballal

List of Publications by Year in Descending Order

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	Unveiling an NMR-Invisible Fraction of Polymers in Solution by Saturation Transfer Difference.. *ACS Macro Letters*, **2021**, 10, 1474-1479	6.6	1
45	Antithrombotic and hemocompatible properties of nanostructured coatings assembled from block copolymers. *Journal of Colloid and Interface Science*, **2021**, 608, 1608-1618	9.3	0
44	Hyperbranched and Hyperstar Polybutadienes via Anionic Self-Condensing Vinyl Copolymerization. *Macromolecules*, **2021**, 54, 5774-5783	5.5	3
43	Hyaluronic Acid Oligomer Immobilization as an Angiogenic Trigger for the Neovascularization of TE Constructs.. *ACS Applied Bio Materials*, **2021**, 4, 6023-6035	4.1	0
42	Bactericidal nanopatterns generated by block copolymer self-assembly. *Acta Biomaterialia*, **2020**, 112, 174-181	10.8	6
41	Novel amphiphilic chitosan micelles as carriers for hydrophobic anticancer drugs. *Materials Science and Engineering C*, **2020**, 112, 110920	8.3	34
40	Minimalistic supramolecular proteoglycan mimics by co-assembly of aromatic peptide and carbohydrate amphiphiles. *Chemical Science*, **2019**, 10, 2385-2390	9.4	37
39	Optimal isolation and characterisation of chondroitin sulfate from rabbit fish (Chimaera monstrosa). *Carbohydrate Polymers*, **2019**, 210, 302-313	10.3	25
38	Structure, rheology, and copper-complexation of a hyaluronan-like exopolysaccharide from Vibrio. *Carbohydrate Polymers*, **2019**, 222, 114999	10.3	7
37	Polysaccharides meet dendrimers to fine-tune the stability and release properties of polyion complex micelles. *Polymer Chemistry*, **2019**, 10, 4709-4717	4.9	9
36	A multifunctional drug nanocarrier for efficient anticancer therapy. *Journal of Controlled Release*, **2019**, 294, 154-164	11.7	17
35	An integral and sustainable valorisation strategy of squid pen by-products. *Journal of Cleaner Production*, **2018**, 201, 207-218	10.3	20
34	Star-Like Glycosaminoglycans with Superior Bioactivity Assemble with Proteins into Microfibers. *Chemistry - A European Journal*, **2018**, 24, 14341-14345	4.8	5
33	Isolation and Chemical Characterization of Chondroitin Sulfate from Cartilage By-Products of Blackmouth Catshark (). *Marine Drugs*, **2018**, 16,	6	29
32	Redox-Responsive Micellar Nanoparticles from Glycosaminoglycans for CD44 Targeted Drug Delivery. *Biomacromolecules*, **2018**, 19, 2991-2999	6.9	20
31	The Key Role of Sulfation and Branching on Fucoidan Antitumor Activity. *Macromolecular Bioscience* , **2017**, 17, 1600340	5.5	58
30	Design of protein delivery systems by mimicking extracellular mechanisms for protection of growth factors. *Acta Biomaterialia*, **2017**, 63, 283-293	10.8	15

29	Glycosaminoglycans from marine sources as therapeutic agents. *Biotechnology Advances*, **2017**, 35, 711-725	12.8	87
28	Optimization of high purity chitin and chitosan production from Illex argentinus pens by a combination of enzymatic and chemical processes. *Carbohydrate Polymers*, **2017**, 174, 262-272	10.3	26
27	By-products of Scyliorhinus canicula, Prionace glauca and Raja clavata: A valuable source of predominantly 6S sulfated chondroitin sulfate. *Carbohydrate Polymers*, **2017**, 157, 31-37	10.3	28
26	Neovascularization Induced by the Hyaluronic Acid-Based Spongy-Like Hydrogels Degradation Products. *ACS Applied Materials & Interfaces*, **2016**, 8, 33464-33474	9.5	47
25	The influence of concentration and pH on the structure and rheology of cationic surfactant/hydrotrope structured fluids. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 489, 311-321	5.1	23
24	Following the enzymatic digestion of chondroitin sulfate by a simple GPC analysis. *Analytica Chimica Acta*, **2015**, 885, 207-13	6.6	18
23	Controlling cancer cell fate using localized biocatalytic self-assembly of an aromatic carbohydrate amphiphile. *Journal of the American Chemical Society*, **2015**, 137, 576-9	16.4	213
22	Systemically administered brain-targeted nanoparticles transport peptides across the blood-brain barrier and provide neuroprotection. *Journal of Cerebral Blood Flow and Metabolism*, **2015**, 35, 469-75	7.3	76
21	Tunable nano-carriers from clicked glycosaminoglycan block copolymers. *Journal of Materials Chemistry B*, **2014**, 2, 4177-4184	7.3	22
20	GATG dendrimers and PEGylated block copolymers: from synthesis to bioapplications. *AAPS Journal* , **2014**, 16, 948-61	3.7	21
19	Disclosing an NMR-invisible fraction in chitosan and PEGylated copolymers and its role on the determination of degrees of substitution. *Molecular Pharmaceutics*, **2013**, 10, 3225-31	5.6	18
18	Interpolyelectrolyte complexes with a polysaccharide corona from dextran-block-PDMAEMA diblock copolymers. *Polymer Chemistry*, **2013**, 4, 2278	4.9	16
17	Anti-tumor efficacy of chitosan-g-poly(ethylene glycol) nanocapsules containing docetaxel: anti-TMEFF-2 functionalized nanocapsules vs. non-functionalized nanocapsules. *European Journal of Pharmaceutics and Biopharmaceutics*, **2013**, 83, 330-7	5.7	37
16	Chitosan hydrophobic domains are favoured at low degree of acetylation and molecular weight. *Polymer*, **2013**, 54, 2081-2087	3.9	20
15	Structural analysis of fructans produced by acetic acid bacteria reveals a relation to hydrocolloid function. *Carbohydrate Polymers*, **2013**, 92, 1234-42	10.3	78
14	Interpolyelectrolyte complexes based on hyaluronic acid-block-poly(ethylene glycol) and poly-L-lysine. *Soft Matter*, **2013**, 9, 4297	3.6	22
13	Synthesis of polysaccharide-b-PEG block copolymers by oxime click. *Chemical Communications*, **2012** , 48, 3781-3	5.8	56
12	Chitosan Copolymers for Biopharmaceuticals **2012**, 333-380		2

11	NMR methods for unravelling the spectra of complex mixtures. *Natural Product Reports*, **2011**, 28, 78-98	15.1	90
10	Dynamics of chitosan by (1)h NMR relaxation. *Biomacromolecules*, **2010**, 11, 2079-86	6.9	30
9	The dynamics of GATG glycodendrimers by NMR diffusion and quantitative (13)C relaxation. *Physical Chemistry Chemical Physics*, **2010**, 12, 6587-9	3.6	21
8	Hyaluronic acid/chitosan-g-poly(ethylene glycol) nanoparticles for gene therapy: an application for pDNA and siRNA delivery. *Pharmaceutical Research*, **2010**, 27, 2544-55	4.5	74
7	A nanomedicine transports a peptide caspase-3 inhibitor across the blood-brain barrier and provides neuroprotection. *Journal of Neuroscience*, **2009**, 29, 13761-9	6.6	139
6	Ionically crosslinked chitosan nanoparticles as gene delivery systems: effect of PEGylation degree on in vitro and in vivo gene transfer. *Journal of Biomedical Nanotechnology*, **2009**, 5, 162-71	4	51
5	Paramagnetic NMR relaxation in polymeric matrixes: sensitivity enhancement and selective suppression of embedded species (1H and 13C PSR filter). *Journal of the American Chemical Society*, **2007**, 129, 15164-73	16.4	13
4	Conjugation of bioactive ligands to PEG-grafted chitosan at the distal end of PEG. *Biomacromolecules*, **2007**, 8, 833-42	6.9	57
3	Chitosan-PEG nanocapsules as new carriers for oral peptide delivery. Effect of chitosan pegylation degree. *Journal of Controlled Release*, **2006**, 111, 299-308	11.7	266
2	Development and brain delivery of chitosan-PEG nanoparticles functionalized with the monoclonal antibody OX26. *Bioconjugate Chemistry*, **2005**, 16, 1503-11	6.3	247
1	Optimal routine conditions for the determination of the degree of acetylation of chitosan by 1H-NMR. *Carbohydrate Polymers*, **2005**, 61, 155-161	10.3	95