Carmen RemuÃ±Ã¡n-LÃ³pez

List of Publications by Year
in descending order

48 papers	4,292 citations	201385 27 h-index	205818 48 g-index
50 all docs	50 docs citations	50 times ranked	4992 citing authors

#	Article	IF	Citations
1	Chitosan and chitosan/ethylene oxide-propylene oxide block copolymer nanoparticles as novel carriers for proteins and vaccines. Pharmaceutical Research, 1997, 14, 1431-1436.	1.7	648
2	Enhancement of nasal absorption of insulin using chitosan nanoparticles. Pharmaceutical Research, 1999, 16, 1576-1581.	1.7	514
3	Microencapsulated chitosan nanoparticles for lung protein delivery. European Journal of Pharmaceutical Sciences, 2005, 25, 427-437.	1.9	413
4	Mechanical, water uptake and permeability properties of crosslinked chitosan glutamate and alginate films. Journal of Controlled Release, 1997, 44, 215-225.	4.8	246
5	Chitosan-Alginate Blended Nanoparticles as Carriers for the Transmucosal Delivery of Macromolecules. Biomacromolecules, 2009, 10, 1736-1743.	2.6	210
6	Chitosan nanoparticles are compatible with respiratory epithelial cells in vitro. European Journal of Pharmaceutical Sciences, 2007, 31, 73-84.	1.9	200
7	Design and evaluation of chitosan/ethylcellulose mucoadhesive bilayered devices for buccal drug delivery. Journal of Controlled Release, 1998, 55, 143-152.	4.8	183
8	Ionotropic cross-linked chitosan microspheres for controlled release of ampicillin. International Journal of Pharmaceutics, 2006, 312, 166-173.	2.6	166
9	Microspheres containing lipid/chitosan nanoparticles complexes for pulmonary delivery of therapeutic proteins. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 83-93.	2.0	156
10	New Generation of Hybrid Poly/Oligosaccharide Nanoparticles as Carriers for the Nasal Delivery of Macromolecules. Biomacromolecules, 2009, 10, 243-249.	2.6	129
11	Development of chitosan sponges for buccal administration of insulin. Carbohydrate Polymers, 2007, 68, 617-625.	5.1	109
12	Rifabutin-loaded solid lipid nanoparticles for inhaled antitubercular therapy: Physicochemical and in vitro studies. International Journal of Pharmaceutics, 2016, 497, 199-209.	2.6	106
13	Chitosan/cyclodextrin nanoparticles can efficiently transfect the airway epithelium in vitro. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 71, 257-263.	2.0	102
14	Chitosan Nanoparticle-Loaded Mannitol Microspheres:Â Structure and Surface Characterization. Biomacromolecules, 2007, 8, 2072-2079.	2.6	87
15	Formation of New Glucomannanâˆ'Chitosan Nanoparticles and Study of Their Ability To Associate and Deliver Proteins. Macromolecules, 2006, 39, 4152-4158.	2.2	86
16	Chitosanâ€“hyaluronic acid nanoparticles for gene silencing: The role of hyaluronic acid on the nanoparticlesâ€™ formation and activity. Colloids and Surfaces B: Biointerfaces, 2013, 103, 615-623.	2.5	76
17	Mesenchymal Stem Cells in Homeostasis and Systemic Diseases: Hypothesis, Evidences, and Therapeutic Opportunities. International Journal of Molecular Sciences, 2019, 20, 3738.	1.8	69
18	The potential of chitosan in enhancing peptide and protein absorption across the TR146 cell culture model-an in vitro model of the buccal epithelium. Pharmaceutical Research, 2002, 19, 169-174.	1.7	67

#	Article	IF	Citations
19	Pullulan-based nanoparticles as carriers for transmucosal protein delivery. European Journal of Pharmaceutical Sciences, 2013, 50, 102-113.	1.9	67
20	Microencapsulated Solid Lipid Nanoparticles as a Hybrid Platform for Pulmonary Antibiotic Delivery. Molecular Pharmaceutics, 2017, 14, 2977-2990.	2.3	55
21	Freeze-dried cylinders carrying chitosan nanoparticles for vaginal peptide delivery. Carbohydrate Polymers, 2017, 170, 43-51.	5.1	52
22	Microspheres loaded with polysaccharide nanoparticles for pulmonary delivery: Preparation, structure and surface analysis. Carbohydrate Polymers, 2011, 86, 25-34.	5.1	51
23	Mechanical and Water Vapor Transmission Properties of Polysaccharide Films. Drug Development and Industrial Pharmacy, 1996, 22, 1201-1209.	0.9	44
24	Investigation of a pMDI system containing chitosan microspheres and P134a. International Journal of Pharmaceutics, 1998, 174, 209-222.	2.6	41
25	Development of PLGA-Mannosamine Nanoparticles as Oral Protein Carriers. Biomacromolecules, 2013, 14, 4046-4052.	2.6	38
26	Hybrid nanosystems based on natural polymers as protein carriers for respiratory delivery: Stability and toxicological evaluation. Carbohydrate Polymers, 2015, 123, 369-380.	5.1	37
27	Microencapsulated SLN: An innovative strategy for pulmonary protein delivery. International Journal of Pharmaceutics, 2017, 516, 231-246.	2.6	36
28	Chapter 15 Mucosal Delivery of Liposomeâ€"Chitosan Nanoparticle Complexes. Methods in Enzymology, 2009, 465, 289-312.	0.4	27
29	New tools to design smart thermosensitive hydrogels for protein rectal delivery in IBD. Materials Science and Engineering C, 2020, 106, 110252.	3.8	26
30	The role of hyaluronic acid inclusion on the energetics of encapsulation and release of a protein molecule from chitosan-based nanoparticles. Colloids and Surfaces B: Biointerfaces, 2016, 141, 223-232.	2.5	25
31	Delimiting the knowledge space and the design space of nanostructured lipid carriers through Artificial Intelligence tools. International Journal of Pharmaceutics, 2018, 553, 522-530.	2.6	25
32	Physical Properties and Stability of Soft Gelled Chitosanâ€Based Nanoparticles. Macromolecular Bioscience, 2016, 16, 1873-1882.	2.1	21
33	Current Stage of Marine Ceramic Grafts for 3D Bone Tissue Regeneration. Marine Drugs, 2019, 17, 471.	2.2	21
34	Metalâ€"Organic Framework Microsphere Formulation for Pulmonary Administration. ACS Applied Materials & Interfaces, 2020, 12, 25676-25682.	4.0	20
35	Targeting joint inflammation for osteoarthritis management through stimulus-sensitive hyaluronic acid based intra-articular hydrogels. Materials Science and Engineering C, 2021, 128, 112254.	3.8	20
36	Tailored Hydrogels as Delivery Platforms for Conditioned Medium from Mesenchymal Stem Cells in a Model of Acute Colitis in Mice. Pharmaceutics, 2021, 13, 1127.	2.0	14

#	Article	IF	Citations
37	Transfection of pulmonary cells by stable <i>pDNA</i>-polycationic hybrid nanostructured particles. Nanomedicine, 2019, 14, 407-429.	1.7	12
38	Micro/nanostructured inhalable formulation based on polysaccharides: Effect of a thermoprotectant on powder properties and protein integrity. International Journal of Pharmaceutics, 2018, 551, 23-33.	2.6	11
39	Design of novel orotransmucosal vaccine-delivery platforms using artificial intelligence. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 159, 36-43.	2.0	11
40	Rifabutin-Loaded Nanostructured Lipid Carriers as a Tool in Oral Anti-Mycobacterial Treatment of Crohnâ€™s Disease. Nanomaterials, 2020, 10, 2138.	1.9	10
41	Tailor-made oligonucleotide-loaded lipid-polymer nanosystems designed for bone gene therapy. Drug Delivery and Translational Research, 2021, 11, 598-607.	3.0	9
42	Microencapsulated Isoniazid-Loaded Metalâ€"Organic Frameworks for Pulmonary Administration of Antituberculosis Drugs. Molecules, 2021, 26, 6408.	1.7	9
43	Microencapsulated Chitosan-Based Nanocapsules: A New Platform for Pulmonary Gene Delivery. Pharmaceutics, 2021, 13, 1377.	2.0	7
44	A micro- and nano-structured drug carrier based on biocompatible, hybrid polymeric nanoparticles for potential application in dry powder inhalation therapy. Polymer, 2014, 55, 4012-4021.	1.8	6
45	A Traffic Light System to Maximize Carbohydrate Cryoprotectantsâ€™ Effectivity in Nanostructured Lipid Carriersâ€™ Lyophilization. Pharmaceutics, 2021, 13, 1330.	2.0	6
46	Dry powders containing chitosan-based nanocapsules for pulmonary administration: Adjustment of spray-drying process and in vitro evaluation in A549 cells. Powder Technology, 2022, 399, 117149.	2.1	6
47	Recent advances in solid lipid nanoparticles formulation and clinical applications. , 2020, , 213-247.		3
48	The Bone Regeneration Capacity of BMP-2 + MMP-10 Loaded Scaffolds Depends on the Tissue Status. Pharmaceutics, 2021, 13, 979.	2.0	3