

Niuris Acosta

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

1,961
citations

21
h-index

41
g-index

41
ext. papers

2,295
ext. citations

4.9
avg. IF

4.67
L-index

#	Paper	IF	Citations
37	Chitosan derivatives-based films as pH-sensitive drug delivery systems with enhanced antioxidant and antibacterial properties. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 730-742	7.9	12
36	Chitosan: An Overview of Its Properties and Applications. <i>Polymers</i> , 2021 , 13,	4.5	55
35	Unraveling the Structural Landscape of Chitosan-Based Heparan Sulfate Mimics Binding to Growth Factors: Deciphering Structural Determinants for Optimal Activity. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25534-25545	9.5	4
34	Controlled size green synthesis of bioactive silver nanoparticles assisted by chitosan and its derivatives and their application in biofilm preparation. <i>Carbohydrate Polymers</i> , 2020 , 236, 116063	10.3	31
33	Enzymatic production of low-Mw chitosan-derivatives: Characterization and biological activities evaluation. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 279-288	7.9	15
32	Efficient reduction of Toluidine Blue O dye using silver nanoparticles synthesized by low molecular weight chitosans. <i>International Journal of Biological Macromolecules</i> , 2019 , 131, 682-690	7.9	15
31	Preparation of a crude chitosanase from blue crab viscera as well as its application in the production of biologically active chito-oligosaccharides from shrimp shells chitosan. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 558-569	7.9	13
30	Dextran Aldehyde in Biocatalysis: More Than a Mere Immobilization System. <i>Catalysts</i> , 2019 , 9, 622	4	22
29	Synthesis, physicochemical characterization and biological evaluation of chitosan sulfate as heparan sulfate mimics. <i>Carbohydrate Polymers</i> , 2018 , 191, 225-233	10.3	25
28	Enzymatic production of fully deacetylated chitooligosaccharides and their neuroprotective and anti-inflammatory properties. <i>Biocatalysis and Biotransformation</i> , 2018 , 36, 57-67	2.5	36
27	Enzymatic d-p-hydrophenyl glycine synthesis using chitin and chitosan as supports for biocatalyst immobilization. <i>Biocatalysis and Biotransformation</i> , 2018 , 36, 89-101	2.5	6
26	Cosmetics and Cosmeceutical Applications of Chitin, Chitosan and Their Derivatives. <i>Polymers</i> , 2018 , 10,	4.5	167
25	Influence of Preparation Methods of Chitooligosaccharides on Their Physicochemical Properties and Their Anti-Inflammatory Effects in Mice and in RAW264.7 Macrophages. <i>Marine Drugs</i> , 2018 , 16,	6	18
24	On the Ability of Low Molecular Weight Chitosan Enzymatically Depolymerized to Produce and Stabilize Silver Nanoparticles. <i>Biomimetics</i> , 2018 , 3,	3.7	6
23	The effect of preparation processes on the physicochemical characteristics and antibacterial activity of chitooligosaccharides. <i>Carbohydrate Polymers</i> , 2017 , 157, 251-257	10.3	68
22	Chitosan Spray-Dried Microparticles for Controlled Delivery of Venlafaxine Hydrochloride. <i>Molecules</i> , 2017 , 22,	4.8	22
21	InFiQuS: Making the Best of Leftovers 2016 , 341-370		

20	Chitosan based films as supports for dual antimicrobial release. <i>Carbohydrate Polymers</i> , 2016 , 146, 402-110.3	0.3	36
19	Optimization of d-amino acid production catalyzed by immobilized multi-enzyme system in polyelectrolyte complex gel capsules. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015 , 121, 45-52		8
18	Physical Stability Studies of Semi-Solid Formulations from Natural Compounds Loaded with Chitosan Microspheres. <i>Marine Drugs</i> , 2015 , 13, 5901-19	6	27
17	Synthesis and characterization of novel pH-sensitive chitosan-poly(acrylamide-co-itaconic acid) hydrogels. <i>Polymer International</i> , 2014 , 63, 1715-1723	3.3	15
16	Role of Physicochemical Properties of Chitin and Chitosan on their Functionality. <i>Current Chemical Biology</i> , 2014 , 8, 27-42	0.4	21
15	Functional Characterization of Chitin and Chitosan. <i>Current Chemical Biology</i> , 2009 , 3, 203-230	0.4	147
14	Encapsulation of an Agrobacterium radiobacter extract containing d-hydantoinase and d-carbamoylase activities into alginate-chitosan polyelectrolyte complexes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 58, 54-64		21
13	Functional Characterization of Chitin and Chitosan. <i>Current Chemical Biology</i> , 2009 , 3, 203-230	0.4	564
12	New drug delivery systems based on chitosan. <i>Current Drug Discovery Technologies</i> , 2008 , 5, 333-41	1.5	103
11	Molecularly imprinted chitosan-genipin hydrogels with recognition capacity toward o-xylene. <i>Biomacromolecules</i> , 2007 , 8, 3355-64	6.9	54
10	Synthesis of p-hydroxyphenylglycine by cell extract from Agrobacterium radiobacter encapsulated in alginate capsules. <i>Enzyme and Microbial Technology</i> , 2006 , 39, 215-221	3.8	9
9	Preparation and characterization of superparamagnetic chitosan microspheres: Application as a support for the immobilization of tyrosinase. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 651-657	2.9	56
8	Enzymic, spectroscopic and calorimetric studies of a recombinant dextranase expressed in <i>Pichia pastoris</i> . <i>Biotechnology and Applied Biochemistry</i> , 2003 , 38, 211-21	2.8	5
7	Tramadol Release from a Delivery System Based on Alginate-Chitosan Microcapsules. <i>Macromolecular Bioscience</i> , 2003 , 3, 546-551	5.5	31
6	Chitosan: An Attractive Biocompatible Polymer for Microencapsulation. <i>Macromolecular Bioscience</i> , 2003 , 3, 511-520	5.5	199
5	Characterization of <i>Mucor pusillus</i> rennin expressed in <i>Pichia pastoris</i> : enzymic, spectroscopic and calorimetric studies. <i>Biotechnology and Applied Biochemistry</i> , 2000 , 31, 77-84	2.8	10
4	Characterization of recombinant invertase expressed in methylotrophic yeasts. <i>Biotechnology and Applied Biochemistry</i> , 2000 , 32, 179-87	2.8	10
3	Structural model for family 32 of glycosyl-hydrolase enzymes. <i>Proteins: Structure, Function and Bioinformatics</i> , 1998 , 33, 383-95	4.2	51

2	Chymotrypsin Immobilized on Chitin. Relationships Between the Enzyme Kinetic Constant and Support Structure. <i>Biocatalysis</i> , 1994 , 11, 305-313		6
1	Extraction and characterization of chitin from crustaceans. <i>Biomass and Bioenergy</i> , 1993 , 5, 145-153	53	73