Waldo ArgÃ¼elles-Monal

List of Publications by Year
in descending order

59 papers	4,021 citations	159358 30 h-index	149479 56 g-index
62 all docs	62 docs citations	62 times ranked	5482 citing authors

#	Article	IF	Citations
1	Chitosan Hydrogels Based on the Dielsâ€“Alder Click Reaction: Rheological and Kinetic Study. Polymers, 2022, 14, 1202.	2.0	13
2	Phytotoxicity, cytotoxicity, and in vivo antifungal efficacy of chitosan nanobiocomposites on prokaryotic and eukaryotic cells. Environmental Science and Pollution Research, 2021, 28, 3051-3065.	2.7	5
3	Synthesis of regioselective chitosan copolymers with Î²-cyclodextrin and poly(N-isopropyl acrylamide). Journal of Polymer Research, 2020, 27, 1.	1.2	4
4	Acemannan Gels and Aerogels. Polymers, 2019, 11, 330.	2.0	7
5	Temperature stimuliâ€responsive nanoparticles from chitosanâ€graftâ€poly(Nâ€vinylcaprolactam) as a drug delivery system. Journal of Applied Polymer Science, 2019, 136, 47831.	1.3	18
6	Synthesis of chitosan biocomposites loaded with pyrrole-2-carboxylic acid and assessment of their antifungal activity against Aspergillus niger. Applied Microbiology and Biotechnology, 2019, 103, 2985-3000.	1.7	7
7	MÃ©todos de preparaciÃ³n de nanopartÃculas de quitosano: una revisiÃ³n. Biotecnia, 2019, 21, 13-25.	0.1	2
8	Production and characterization of supercritical CO2 dried chitosan nanoparticles as novel carrier device. Carbohydrate Polymers, 2018, 198, 556-562.	5.1	17
9	Chitosan Derivatives: Introducing New Functionalities with a Controlled Molecular Architecture for Innovative Materials. Polymers, 2018, 10, 342.	2.0	105
10	Mesoscopic Modeling of the Encapsulation of Capsaicin by Lecithin/Chitosan Liposomal Nanoparticles. Nanomaterials, 2018, 8, 425.	1.9	13
11	Supercritical CO₂dried chitosan nanoparticles: production and characterization. RSC Advances, 2017, 7, 30879-30885.	1.7	24
12	Aerogels from Chitosan Solutions in Ionic Liquids. Polymers, 2017, 9, 722.	2.0	27
13	Chitosan-Based Thermosensitive Materials. , 2017, , .		6
14	Enhanced Antifungal Effect of Chitosan/Pepper Tree (Schinus molle) Essential Oil Bionanocomposites on the Viability of Aspergillus parasiticus Spores. Journal of Nanomaterials, 2016, 2016, 1-10.	1.5	50
15	Preparation of chitosan nanoparticles by nanoprecipitation and their ability as a drug nanocarrier. RSC Advances, 2016, 6, 59250-59256.	1.7	72
16	Chemical Characteristics and Functional Properties of Chitosan. , 2016, , 3-31.		43
17	Conformational study on the thermal transition of chitosan-g-poly(N-vinylcaprolactam) in aqueous solution. Colloid and Polymer Science, 2016, 294, 555-563.	1.0	9
18	Furanâ€“chitosan hydrogels based on click chemistry. Iranian Polymer Journal (English Edition), 2015, 24, 349-357.	1.3	20

#	Article	IF	Citations
19	N-(furfural) chitosan hydrogels based on Dielsâ€“Alder cycloadditions and application as microspheres for controlled drug release. Carbohydrate Polymers, 2015, 128, 220-227.	5.1	71
20	Effect of the molecular architecture on the thermosensitive properties of chitosan-g-poly(N-vinylcaprolactam). Carbohydrate Polymers, 2015, 134, 92-101.	5.1	43
21	Physical properties and antibacterial activity of chitosan/acemannan mixed systems. Carbohydrate Polymers, 2015, 115, 707-714.	5.1	35
22	Characterization and Antiproliferative Activity of Nobiletin-Loaded Chitosan Nanoparticles. Journal of Nanomaterials, 2012, 2012, 1-7.	1.5	44
23	Gelation processes in the non-stoichiometric polylectrolyteâ€“surfactant complex between Î²-carrageenan and dodecyltrimethylammonium chloride in KCl. Soft Matter, 2011, 7, 2103.	1.2	12
24	A modified Boltzmann sigmoidal model for the phase transition of smart gels. Soft Matter, 2011, 7, 5847.	1.2	50
25	Thermo- and pH-responsive polyelectrolyte complex membranes from chitosan-g-N-isopropylacrylamide and pectin. Carbohydrate Polymers, 2011, 86, 1336-1343.	5.1	22
26	Development and characterization of nanocapsules comprising dodecyltrimethylammonium chloride and Î²-carrageenan. Colloids and Surfaces B: Biointerfaces, 2011, 86, 242-246.	2.5	15
27	Interpenetrated Chitosan-Poly(Acrylic Acid-Co-Acrylamide) Hydrogels. Synthesis, Characterization and Sustained Protein Release Studies. Materials Sciences and Applications, 2011, 02, 509-520.	0.3	23
28	Thermoresponsive Behavior of Chitosan-g-N-isopropylacrylamide Copolymer Solutions. Biomacromolecules, 2009, 10, 1633-1641.	2.6	76
29	Chitin and Chitosan: Major Sources, Properties and Applications. , 2008, , 517-542.		84
30	Molecularly Imprinted Chitosanâ^'Genipin Hydrogels with Recognition Capacity toward o-Xylene. Biomacromolecules, 2007, 8, 3355-3364.	2.6	64
31	Temperature and pH-sensitive chitosan hydrogels: DSC, rheological and swelling evidence of a volume phase transition. Polymer Bulletin, 2007, 58, 225-234.	1.7	41
32	Determination of Chitin and Protein Contents During the Isolation of Chitin from Shrimp Waste. Macromolecular Bioscience, 2006, 6, 340-347.	2.1	53
33	Swelling behavior of chitosan/pectin polyelectrolyte complex membranes. Effect of thermal cross-linking. Polymer Bulletin, 2005, 55, 367-375.	1.7	102
34	Kinetics of Gelation and Thermal Sensitivity of N-Isobutyryl Chitosan Hydrogelsâ€. Biomacromolecules, 2005, 6, 2408-2415.	2.6	29
35	Linseed pectin: gelling properties and performance as an encapsulation matrix for shark liver oil. Food Hydrocolloids, 2004, 18, 293-304.	5.6	38
36	Formation and stability of shark liver oil loaded chitosan/calcium alginate capsules. Food Hydrocolloids, 2004, 18, 865-871.	5.6	64

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37	Microencapsulation of astaxanthin in a chitosan matrix. Carbohydrate Polymers, 2004, 56, 41-45.	5.1	142
38	Study of the interpolyelectrolyte reaction between chitosan and alginate: influence of alginate composition and chitosan molecular weight. International Journal of Biological Macromolecules, 2004, 34, 127-133.	3.6	66
39	Effect of Chemical Crosslinking on the Swelling and Shrinking Properties of Thermal and pH-Responsive Chitosan Hydrogels. Macromolecular Bioscience, 2003, 3, 612-619.	2.1	59
40	Chitosan: An Attractive Biocompatible Polymer for Microencapsulation. Macromolecular Bioscience, 2003, 3, 511-520.	2.1	223
41	Diffusion Through Membranes of the Polyelectrolyte Complex of Chitosan and Alginate. Macromolecular Bioscience, 2003, 3, 535-539.	2.1	35
42	Chitin and Chitosan in Gel Network Systems. ACS Symposium Series, 2002, , 102-121.	0.5	7
43	Chitosan based polyelectrolyte complexes. Macromolecular Symposia, 2001, 168, 103-116.	0.4	48
44	SUPERCRITICAL CO2/ETHANOL EXTRACTION OF ASTAXANTHIN FROM BLUE CRAB (CALLINECTES SAPIDUS) SHELL WASTE. Journal of Food Process Engineering, 2001, 24, 101-112.	1.5	42
45	An infrared investigation in relation with chitin and chitosan characterization. Polymer, 2001, 42, 3569-3580.	1.8	1,132
46	Conductimetric study of the interpolyelectrolyte reaction between chitosan and polygalacturonic acid. Polymer, 2000, 41, 2373-2378.	1.8	64
47	Chitin and chitosan. Developments in Food Science, 2000, 41, 265-308.	0.0	21
48	Effect of chitosan on the gelation of Î²-carrageenan under various salt conditions. , 2000, , 211-216.		3
49	Self-curing membranes of chitosan/PAA IPNs obtained by radical polymerization: preparation, characterization and interpolymer complexation. Biomaterials, 1999, 20, 1869-1878.	5.7	261
50	Rheological study of the chitosan/glutaraldehyde chemical gel system. Polymer Gels and Networks, 1998, 6, 429-440.	0.6	86
51	Thermodynamics of complex formation of polyacrylic acid with poly(N-vinyl-2-pyrrolidone) and chitosan. Polymer Bulletin, 1996, 37, 127-134.	1.7	24
52	Sorption and desorption of water vapour by membranes of the polyelectrolyte complex of chitosan and carboxymethyl cellulose. Polymer International, 1995, 38, 45-52.	1.6	26
53	Title is missing!. Angewandte Makromolekulare Chemie, 1993, 207, 1-8.	0.3	20
54	Preparation of a novel polyampholyte from chitosan and citric acid. Die Makromolekulare Chemie Rapid Communications, 1993, 14, 735-740.	1.1	12

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55	A kinetic study of the thermal degradation of chitosan and a mercaptan derivative of chitosan. Polymer Degradation and Stability, 1993, 39, 21-28.	2.7	152
56	Swelling of membranes from the polyelectrolyte complex between chitosan and carboxymethyl cellulose. Polymer Bulletin, 1993, 31, 471-478.	1.7	24
57	The adsorption of mercuric ions by chitosan. Journal of Applied Polymer Science, 1992, 46, 1147-1150.	1.3	153
58	Study of the stoichiometric polyelectrolyte complex between chitosan and carboxymethyl cellulose. Polymer Bulletin, 1990, 23, 307-313.	1.7	41
59	Study of the interpolyelectrolyte reaction between chitosan and carboxymethyl cellulose. Die Makromolekulare Chemie Rapid Communications, 1988, 9, 693-697.	1.1	58