

# Waldo Argelles-Monal

## List of Publications by Year in Descending Order

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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.

57  
papers

3,333  
citations

30  
h-index

57  
g-index

62  
ext. papers

3,612  
ext. citations

5  
avg, IF

4.8  
L-index

#	Paper	IF	Citations
57	Phytotoxicity, cytotoxicity, and in vivo antifungal efficacy of chitosan nanobiocomposites on prokaryotic and eukaryotic cells. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 3051-3065	5.1	1
56	Synthesis of regioselective chitosan copolymers with $\beta$ -cyclodextrin and poly(N-isopropyl acrylamide). <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	2
55	Acemannan Gels and Aerogels. <i>Polymers</i> , <b>2019</b> , 11,	4.5	2
54	Temperature stimuli-responsive nanoparticles from chitosan-graft-poly(N-vinylcaprolactam) as a drug delivery system. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47831	2.9	13
53	Synthesis of chitosan biocomposites loaded with pyrrole-2-carboxylic acid and assessment of their antifungal activity against <i>Aspergillus niger</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 2985-3000	5.7	5
52	Production and characterization of supercritical CO <sub>2</sub> dried chitosan nanoparticles as novel carrier device. <i>Carbohydrate Polymers</i> , <b>2018</b> , 198, 556-562	10.3	10
51	Chitosan Derivatives: Introducing New Functionalities with a Controlled Molecular Architecture for Innovative Materials. <i>Polymers</i> , <b>2018</b> , 10,	4.5	60
50	Mesoscopic Modeling of the Encapsulation of Capsaicin by Lecithin/Chitosan Liposomal Nanoparticles. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	9
49	Supercritical CO <sub>2</sub> dried chitosan nanoparticles: production and characterization. <i>RSC Advances</i> , <b>2017</b> , 7, 30879-30885	3.7	18
48	Aerogels from Chitosan Solutions in Ionic Liquids. <i>Polymers</i> , <b>2017</b> , 9,	4.5	21
47	Chitosan-Based Thermosensitive Materials <b>2017</b> ,		4
46	Preparation of chitosan nanoparticles by nanoprecipitation and their ability as a drug nanocarrier. <i>RSC Advances</i> , <b>2016</b> , 6, 59250-59256	3.7	45
45	Chemical Characteristics and Functional Properties of Chitosan <b>2016</b> , 3-31		22
44	Conformational study on the thermal transition of chitosan-g-poly(N-vinylcaprolactam) in aqueous solution. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 555-563	2.4	9
43	Enhanced Antifungal Effect of Chitosan/Pepper Tree ( <i>Schinus molle</i> ) Essential Oil Bionanocomposites on the Viability of <i>Aspergillus parasiticus</i> Spores. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-10	3.2	38
42	Furan-chitosan hydrogels based on click chemistry. <i>Iranian Polymer Journal (English Edition)</i> , <b>2015</b> , 24, 349-357	2.3	14
41	N-(furfural) chitosan hydrogels based on Diels-Alder cycloadditions and application as microspheres for controlled drug release. <i>Carbohydrate Polymers</i> , <b>2015</b> , 128, 220-7	10.3	54

40	Effect of the molecular architecture on the thermosensitive properties of chitosan-g-poly(N-vinylcaprolactam). <i>Carbohydrate Polymers</i> , <b>2015</b> , 134, 92-101	10.3	34
39	Physical properties and antibacterial activity of chitosan/acemannan mixed systems. <i>Carbohydrate Polymers</i> , <b>2015</b> , 115, 707-14	10.3	26
38	Characterization and Antiproliferative Activity of Nobiletin-Loaded Chitosan Nanoparticles. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-7	3.2	32
37	A modified Boltzmann sigmoidal model for the phase transition of smart gels. <i>Soft Matter</i> , <b>2011</b> , 7, 5847-6	3.6	35
36	Thermo- and pH-responsive polyelectrolyte complex membranes from chitosan-g-N-isopropylacrylamide and pectin. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 1336-1343	10.3	19
35	Gelation processes in the non-stoichiometric polyelectrolyte-surfactant complex between Carrageenan and dodecyltrimethylammonium chloride in KCl. <i>Soft Matter</i> , <b>2011</b> , 7, 2103	3.6	10
34	Development and characterization of nanocapsules comprising dodecyltrimethylammonium chloride and Carrageenan. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 86, 242-6	6	14
33	Interpenetrated Chitosan-Poly(Acrylic Acid-Co-Acrylamide) Hydrogels. Synthesis, Characterization and Sustained Protein Release Studies. <i>Materials Sciences and Applications</i> , <b>2011</b> , 02, 509-520	0.3	15
32	Thermoresponsive behavior of chitosan-g-N-isopropylacrylamide copolymer solutions. <i>Biomacromolecules</i> , <b>2009</b> , 10, 1633-41	6.9	66
31	Chitin and Chitosan: Major Sources, Properties and Applications <b>2008</b> , 517-542		62
30	Molecularly imprinted chitosan-genipin hydrogels with recognition capacity toward o-xylene. <i>Biomacromolecules</i> , <b>2007</b> , 8, 3355-64	6.9	54
29	Temperature and pH-sensitive chitosan hydrogels: DSC, rheological and swelling evidence of a volume phase transition. <i>Polymer Bulletin</i> , <b>2007</b> , 58, 225-234	2.4	35
28	Determination of chitin and protein contents during the isolation of chitin from shrimp waste. <i>Macromolecular Bioscience</i> , <b>2006</b> , 6, 340-7	5.5	39
27	Kinetics of gelation and thermal sensitivity of N-isobutyryl chitosan hydrogels. <i>Biomacromolecules</i> , <b>2005</b> , 6, 2408-15	6.9	28
26	Swelling behavior of chitosan/pectin polyelectrolyte complex membranes. Effect of thermal cross-linking. <i>Polymer Bulletin</i> , <b>2005</b> , 55, 367-375	2.4	90
25	Linseed pectin: gelling properties and performance as an encapsulation matrix for shark liver oil. <i>Food Hydrocolloids</i> , <b>2004</b> , 18, 293-304	10.6	34
24	Formation and stability of shark liver oil loaded chitosan/calcium alginate capsules. <i>Food Hydrocolloids</i> , <b>2004</b> , 18, 865-871	10.6	58
23	Microencapsulation of astaxanthin in a chitosan matrix. <i>Carbohydrate Polymers</i> , <b>2004</b> , 56, 41-45	10.3	122

22	Study of the interpolyelectrolyte reaction between chitosan and alginate: influence of alginate composition and chitosan molecular weight. <i>International Journal of Biological Macromolecules</i> , <b>2004</b> , 34, 127-33	7.9	56
21	Effect of Chemical Crosslinking on the Swelling and Shrinking Properties of Thermal and pH-Responsive Chitosan Hydrogels. <i>Macromolecular Bioscience</i> , <b>2003</b> , 3, 612-619	5.5	53
20	Chitosan: An Attractive Biocompatible Polymer for Microencapsulation. <i>Macromolecular Bioscience</i> , <b>2003</b> , 3, 511-520	5.5	199
19	Diffusion Through Membranes of the Polyelectrolyte Complex of Chitosan and Alginate. <i>Macromolecular Bioscience</i> , <b>2003</b> , 3, 535-539	5.5	30
18	Chitin and Chitosan in Gel Network Systems. <i>ACS Symposium Series</i> , <b>2002</b> , 102-121	0.4	7
17	SUPERCRITICAL CO <sub>2</sub> /ETHANOL EXTRACTION OF ASTAXANTHIN FROM BLUE CRAB (CALLINECTES SAPIDUS) SHELL WASTE. <i>Journal of Food Process Engineering</i> , <b>2001</b> , 24, 101-112	2.4	40
16	An infrared investigation in relation with chitin and chitosan characterization. <i>Polymer</i> , <b>2001</b> , 42, 3569-3580	3.9	950
15	Chitosan based polyelectrolyte complexes. <i>Macromolecular Symposia</i> , <b>2001</b> , 168, 103-116	0.8	46
14	Conductimetric study of the interpolyelectrolyte reaction between chitosan and polygalacturonic acid. <i>Polymer</i> , <b>2000</b> , 41, 2373-2378	3.9	61
13	Chitin and chitosan. <i>Developments in Food Science</i> , <b>2000</b> , 41, 265-308		16
12	Effect of chitosan on the gelation of E-carrageenan under various salt conditions <b>2000</b> , 211-216		2
11	Self-curing membranes of chitosan/PAA IPNs obtained by radical polymerization: preparation, characterization and interpolymer complexation. <i>Biomaterials</i> , <b>1999</b> , 20, 1869-78	15.6	242
10	Rheological study of the chitosan/glutaraldehyde chemical gel system. <i>Polymer Gels and Networks</i> , <b>1998</b> , 6, 429-440		77
9	Thermodynamics of complex formation of polyacrylic acid with poly(N-vinyl-2-pyrrolidone) and chitosan. <i>Polymer Bulletin</i> , <b>1996</b> , 37, 127-134	2.4	22
8	Sorption and desorption of water vapour by membranes of the polyelectrolyte complex of chitosan and carboxymethyl cellulose. <i>Polymer International</i> , <b>1995</b> , 38, 45-52	3.3	22
7	Preparation and characterization of a mercaptan derivative of chitosan for the removal of mercury from brines. <i>Angewandte Makromolekulare Chemie</i> , <b>1993</b> , 207, 1-8		19
6	Preparation of a novel polyampholyte from chitosan and citric acid. <i>Die Makromolekulare Chemie Rapid Communications</i> , <b>1993</b> , 14, 735-740		11
5	A kinetic study of the thermal degradation of chitosan and a mercaptan derivative of chitosan. <i>Polymer Degradation and Stability</i> , <b>1993</b> , 39, 21-28	4.7	132

4	Swelling of membranes from the polyelectrolyte complex between chitosan and carboxymethyl cellulose. <i>Polymer Bulletin</i> , <b>1993</b> , 31, 471-478	2.4	20
3	The adsorption of mercuric ions by chitosan. <i>Journal of Applied Polymer Science</i> , <b>1992</b> , 46, 1147-1150	2.9	129
2	Study of the stoichiometric polyelectrolyte complex between chitosan and carboxymethyl cellulose. <i>Polymer Bulletin</i> , <b>1990</b> , 23, 307-313	2.4	35
1	Study of the interpolyelectrolyte reaction between chitosan and carboxymethyl cellulose. <i>Die Makromolekulare Chemie Rapid Communications</i> , <b>1988</b> , 9, 693-697		55