Dalia Isabel Snchez-Machado

List of Publications by Citations

45 papers	866 citations	16 h-index	28 g-index
48 ext. papers	1,053 ext. citations	3.6 avg, IF	4.28 L-index

#	Paper	IF	Citations
45	Nutritional Quality of Edible Parts of Moringa oleifera. *Food Analytical Methods*, **2010**, 3, 175-180	3.4	121
44	Aloe vera : Ancient knowledge with new frontiers. *Trends in Food Science and Technology*, **2017**, 61, 94-102	15.3	94
43	Chitosan/Hydrophilic Plasticizer-Based Films: Preparation, Physicochemical and Antimicrobial Properties. *Journal of Polymers and the Environment*, **2014**, 22, 41-51	4.5	78
42	Study of a fixed-bed column in the adsorption of an azo dye from an aqueous medium using a chitosan–glutaraldehyde biosorbent. *Adsorption Science and Technology*, **2018**, 36, 215-232	3.6	43
41	Hypotensive effects of genistein: From chemistry to medicine. *Chemico-Biological Interactions*, **2017**, 268, 37-46	5	42
40	Effect of the refining process on Moringa oleifera seed oil quality. *Food Chemistry*, **2015**, 187, 53-7	8.5	41
39	Microencapsulation of sulforaphane from broccoli seed extracts by gelatin/gum arabic and gelatin/pectin complexes. *Food Chemistry*, **2016**, 201, 94-100	8.5	39
38	Mechanical, structural and physical aspects of chitosan-based films as antimicrobial dressings. *International Journal of Biological Macromolecules*, **2018**, 116, 472-481	7.9	36
37	Biochemical composition and physicochemical properties of broccoli flours. *International Journal of Food Sciences and Nutrition*, **2009**, 60 Suppl 4, 163-73	3.7	35
36	Antimicrobial activity of chitosan-based films against Salmonella typhimurium and Staphylococcus aureus. *International Journal of Food Science and Technology*, **2012**, 47, 2127-2133	3.8	28
35	Hydrogel wound dressings based on chitosan and xyloglucan: Development and characterization. *Journal of Applied Polymer Science*, **2018**, 136, 47342	2.9	25
34	Adsorption of allura red dye by cross-linked chitosan from shrimp waste. *Water Science and Technology*, **2012**, 65, 618-23	2.2	23
33	Antioxidant and chelating capacity of Maillard reaction products in amino acid-sugar model systems: applications for food processing. *Journal of the Science of Food and Agriculture*, **2017**, 97, 3522-3529	4.3	22
32	Preparation and Properties of Chitosan–PVA Fibers Produced by Wet Spinning. *Journal of Polymers and the Environment*, **2018**, 26, 946-958	4.5	17
31	Effect of solvents and methods of stirring in extraction of lycopene, oleoresin and fatty acids from over-ripe tomato. *International Journal of Food Sciences and Nutrition*, **2014**, 65, 187-93	3.7	17
30	Fe(II) and Fe(III) adsorption by chitosan-tripolyphosphate beads: kinetic and equilibrium studies **2012**, 61, 331-341		16
29	Functional properties and proximate composition of cactus pear cladodes flours. *Food Science and Technology*, **2011**, 31, 654-659	2	16

28	Antifungal activity in vitro of Baccharis glutinosa and Ambrosia confertiflora extracts on Aspergillus flavus, Aspergillus parasiticus and Fusarium verticillioides. *World Journal of Microbiology and Biotechnology*, **2009**, 25, 2257-2261	4.4	15
27	Chitosan treatment for skin ulcers associated with diabetes. *Saudi Journal of Biological Sciences*, **2018**, 25, 130-135	4	14
26	Antimycobacterial activity of medicinal plants used by the Mayo people of Sonora, Mexico. *Journal of Ethnopharmacology*, **2016**, 190, 106-15	5	14
25	Antioxidant capacity, proximate composition, and lipid constituents of Aloe vera flowers. *Journal of Applied Research on Medicinal and Aromatic Plants*, **2018**, 10, 93-98	2.6	12
24	An HPLC Procedure for the Quantification of Aloin in Latex and Gel from Aloe barbadensis Leaves. *Journal of Chromatographic Science*, **2017**, 55, 251-257	1.4	11
23	Evaluation of Physicochemical and Antifungal Properties of Polylactic Acid□Thermoplastic Starch□Chitosan Biocomposites. *Polymer-Plastics Technology and Engineering*, **2017**, 56, 44-54		11
22	Ultra-high pressure LC determination of glucosamine in shrimp by-products and migration tests of chitosan films. *Journal of Separation Science*, **2012**, 35, 633-40	3.4	11
21	The effect of Baccharis glutinosa extract on the growth of mycotoxigenic fungi and fumonisin B1 and aflatoxin B1 production. *World Journal of Microbiology and Biotechnology*, **2011**, 27, 1025-1033	4.4	10
20	Biochemical composition of broccoli seeds and sprouts at different stages of seedling development. *International Journal of Food Science and Technology*, **2013**, 48, n/a-n/a	3.8	9
19	Astaxanthin and Its Esters in Pigmented Oil from Fermented Shrimp By-Products. *Journal of Aquatic Food Product Technology*, **2016**, 25, 334-343	1.6	8
18	Characterization data of chitosan-based films: Antimicrobial activity, thermal analysis, elementary composition, tensile strength and degree crystallinity. *Data in Brief*, **2018**, 21, 473-479	1.2	8
17	Chitosan **2019**, 485-493		7
16	Synthesis and application of modified chitosan beads for iron removal: kinetic and isotherm models. *Asia-Pacific Journal of Chemical Engineering*, **2014**, 9, 895-904	1.3	6
15	S□NTESIS DE HIDROGELES DE QUITOSANO A PARTIR DE C□SCARA DE CAMAR□N PARA ENSAYOS DE ADSORCI□N DE COBRE. *Revista Internacional De Contaminacion Ambiental*, **2017**, 33, 93-98	1.2	5
14	Removal of copper improves the lipid content in Nannochloropsis oculata culture. *Environmental Science and Pollution Research*, **2020**, 27, 44195-44204	5.1	5
13	Separation and purification of sulforaphane (1-isothiocyanato-4-(methylsulfinyl) butane) from broccoli seeds by consecutive steps of adsorption-desorption-bleaching. *Journal of Food Engineering*, **2018**, 237, 162-170	6	5
12	Antibacterial, mechanical and physical properties of collagen - chitosan sponges from aquatic source. *Sustainable Chemistry and Pharmacy*, **2020**, 15, 100218	3.9	4
11	The use of chitosan as a skin-regeneration agent in burns injuries: A review. *E-Polymers*, **2022**, 22, 75-86	2.7	3

10	Modeling of breakthrough curves for aqueous iron (III) adsorption on chitosan-sodium tripolyphosphate. *Water Science and Technology*, **2016**, 74, 2297-2304	2.2	3
9	Characterization and efficacy of chitosan membranes in the treatment of skin ulcers. *Egyptian Journal of Basic and Applied Sciences*, **2019**, 6, 195-205	1.3	3
8	Impact of the molecular weight on the size of chitosan nanoparticles: characterization and its solid-state application. *Polymer Bulletin*, **2021**, 78, 813-832	2.4	3
7	Therapeutic effects of chitosan in veterinary dermatology: A systematic review of the literature. *Preventive Veterinary Medicine*, **2021**, 190, 105325	3.1	2
6	Astaxanthin, Lutein, and Zeaxanthin **2019**, 19-25		2
5	Changes in growth kinetics and motility characteristics of Escherichia coli in the presence of sulphoraphane isolated from broccoli seed meal. *International Journal of Food Science and Technology*, **2020**, 55, 851-860	3.8	1
4	Chitosan and Xyloglucan-Based Hydrogels: An Overview of Synthetic and Functional Utility **2018**,		1
3	Hydroxyapatite recovery from fish byproducts for biomedical applications. *Sustainable Chemistry and Pharmacy*, **2022**, 28, 100726	3.9	0
2	Emitters of Antimicrobials. *Food Bioactive Ingredients*, **2022**, 15-33	0.2	
1	Influence of different reactor types on Nannochloropsis oculata microalgae culture for lipids and fatty acid production. *JAOCS, Journal of the American Oil Chemistst Society*, **2021**, 98, 993	1.8	