

Mara M Castillo-Ortega

List of Publications by Citations

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42
papers

782
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h-index

27
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42
ext. papers

848
ext. citations

4.1
avg, IF

3.45
L-index

#	Paper	IF	Citations
42	Effect of Chitosan and Temperature on Spore Germination of <i>Aspergillus niger</i> . <i>Macromolecular Bioscience</i> , 2003 , 3, 582-586	5.5	113
41	Conductometric uric acid and urea biosensor prepared from electroconductive polyaniline/poly(n-butyl methacrylate) composites. <i>Sensors and Actuators B: Chemical</i> , 2002 , 85, 19-25	8.5	102
40	Preparation, characterization and release of amoxicillin from cellulose acetate and poly(vinyl pyrrolidone) coaxial electrospun fibrous membranes. <i>Materials Science and Engineering C</i> , 2011 , 31, 1772-1778	8.2	59
39	Extruded films of blended chitosan, low density polyethylene and ethylene acrylic acid. <i>Carbohydrate Polymers</i> , 2013 , 91, 666-74	10.3	54
38	Antimicrobial activity of chitosan nanofibers obtained by electrospinning. <i>Polymer International</i> , 2011 , 60, 1663-1669	3.3	40
37	Electrical, mechanical and piezo-resistive behavior of a polyaniline/poly(n-butyl methacrylate) composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 1573-1579	8.4	35
36	Synthesis and characterization of composites of DBSA-doped polyaniline and polystyrene-based ionomers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007 , 38, 639-645	8.4	31
35	Preparation, characterization, and adsorption properties of cellulose acetate-polyaniline membranes. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 1216-1224	2.9	26
34	Amoxicillin embedded in cellulose acetate-poly (vinyl pyrrolidone) fibers prepared by coaxial electrospinning: Preparation and characterization. <i>Materials Letters</i> , 2012 , 76, 250-254	3.3	25
33	Piezo-resistance effect in composite based on cross-linked polydimethylsiloxane and polyaniline: potential pressure sensor application. <i>Journal of Materials Science</i> , 2012 , 47, 1794-1802	4.3	20
32	Compatibilization of polyethylene/polyaniline blends with polyethylene-graft-maleic anhydride. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 2895-2901	2.9	19
31	Preparation by coaxial electrospinning and characterization of membranes releasing (-) epicatechin as scaffold for tissue engineering. <i>Materials Science and Engineering C</i> , 2015 , 46, 184-9	8.3	18
30	Adsorption and desorption of a gold chloride complex onto cellulose acetate membrane coated with polyaniline or polypyrrole: a comparative study. <i>Journal of Materials Science</i> , 2011 , 46, 7466-7474	4.3	18
29	Electrically conducting polyaniline-PBMA composite films obtained by extrusion. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 179-183	2.9	18
28	Preparation and Characterization of Films Extruded of Polyethylene/Chitosan Modified with Poly(lactic acid). <i>Materials</i> , 2014 , 8, 137-148	3.5	17
27	Grafting collagen on poly (lactic acid) by a simple route to produce electrospun scaffolds, and their cell adhesion evaluation. <i>Tissue Engineering and Regenerative Medicine</i> , 2016 , 13, 375-387	4.5	15
26	Preparation and Characterization of Extruded Composites Based on Polypropylene and Chitosan Compatibilized with Polypropylene-Graft-Maleic Anhydride. <i>Materials</i> , 2017 , 10,	3.5	14

25	Electrical, mechanical, and piezoresistive properties of carbon nanotube/polyaniline hybrid filled polydimethylsiloxane composites. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	12
24	Enzyme mediated synthesis of polypyrrole in the presence of chondroitin sulfate and redox mediators of natural origin. <i>Materials Science and Engineering C</i> , 2016 , 63, 650-6	8.3	12
23	Selective adsorption of gold and silver in bromine solutions by acetate cellulose composite membranes coated with polyaniline or polypyrrole. <i>Polymer Bulletin</i> , 2018 , 75, 3241-3265	2.4	11
22	Preparation of polyaniline submicro/nanostructures using l-glutamic acid: Loading and releasing studies of amoxicillin. <i>Synthetic Metals</i> , 2013 , 184, 41-47	3.6	11
21	Synthesis and swelling properties of pH- and temperature-sensitive interpenetrating polymer networks composed of polyacrylamide and poly(L-glutamic acid). <i>Journal of Applied Polymer Science</i> , 2011 , 119, 3531-3537	2.9	11
20	Adsorption of a gold-iodide complex (AuI ₂) onto cellulose acetate-polyaniline membranes: Equilibrium experiments. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 2670-2674	2.9	11
19	Chemical polymerization of pyrrole in the presence of l-serine or l-glutamic acid: Electrically controlled amoxicillin release from composite hydrogel. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	10
18	pH- and temperature-sensitive semi-interpenetrating network hydrogels composed of poly(acrylamide) and poly(L-glutamic acid) as amoxicillin controlled-release system. <i>Polymer Bulletin</i> , 2012 , 68, 197-207	2.4	10
17	Urea sensing film prepared by extrusion from DBSA-doped polyaniline-poly(styrene-co-potassium acrylate) in a poly(n-butyl methacrylate) matrix. <i>Sensors and Actuators B: Chemical</i> , 2007 , 125, 538-543	8.5	10
16	Synthesis and characterization of difluor-aniline polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 2130-2136	2.6	10
15	Preparation and characterization of electroconductive polypyrrole/thermoplastic composites. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 1498-1506	2.9	10
14	An inexpensive, rapid, safe, and recycling-favoring method for the fabrication of core/shell PVP/CdS composite fibers from a gas/solid reaction between H ₂ S vapor and electrospun PVP/CdCl ₂ . <i>Materials Science in Semiconductor Processing</i> , 2015 , 38, 257-265	4.3	7
13	Selective adsorption of metallic complex using polyaniline or polypyrrole. <i>Materials Chemistry and Physics</i> , 2016 , 182, 39-48	4.4	7
12	Electrospun tubes based on PLA, gelatin and genipin in different arrangements for blood vessel tissue engineering. <i>Polymer Bulletin</i> , 2020 , 77, 5985-6003	2.4	6
11	Chemochromic properties of neutral polyaniline throughout cholesterol exposure. <i>Journal of Polymer Research</i> , 2013 , 20, 1	2.7	4
10	Photocatalytic properties of PMMA-TiO ₂ class I and class II hybrid nanofibers obtained by electrospinning. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	3
9	Preparation and Characterization of Coaxial Electrospun Fibers Containing Triclosan for Comparative Study of Release Properties with Amoxicillin and Epicatechin. <i>Current Drug Delivery</i> , 2016 , 13, 49-56	3.2	3
8	Synthesis by Emulsion Polymerization of Poly(butyl acrylate-co-silver acrylate) Ionomers and Evaluation of their Possible Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012 , 49, 876-884	2.2	2

7	Fibrous membranes of cellulose acetate and poly(vinyl pyrrolidone) by electrospinning method: Preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA	2.9	2
6	DEGRADACIÓN ACELERADA DE PELÍCULAS DE POLIETILENO CON QUITOSANO COMPATIBILIZADAS CON ANHIDRIDO MÁLICO. <i>Revista Internacional De Contaminacion Ambiental</i> , 2017 , 33, 99-107	1.2	2
5	Electrospun cellulose acetate fibers for the photodecolorization of methylene blue solutions under natural sunlight. <i>Polymer Bulletin</i> , 2021 , 78, 4419-4438	2.4	2
4	Study of the release kinetics of Epicatechin: Effect of its location within the fiber or sphere. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47166	2.9	1
3	Extrusion of polypropylene/chitosan/poly(lactic-acid) films: Chemical, mechanical, and thermal properties. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49850	2.9	1
2	Polyurethane electrospun membranes with hydroxyapatite-vancomycin for potential application in bone tissue engineering and drug delivery. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 51893	2.9	0
1	A kinetic model for the adsorption of gold from I ₂ /I ₃ ⁻ solutions onto a porous polymer membrane. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1695-1706	2.9	