MarÃ-a M Castillo-Ortega

List of Publications by Year
in descending order

42 papers	951 citations	471061 17 h-index	454577 30 g-index
42 all docs	42 docs citations	42 times ranked	1444 citing authors

#	Article	IF	Citations
1	Effect of Chitosan and Temperature on Spore Germination ofAspergillus niger. Macromolecular Bioscience, 2003, 3, 582-586.	2.1	133
2	Conductometric uric acid and urea biosensor prepared from electroconductive polyanilineâ€“poly(n-butyl methacrylate) composites. Sensors and Actuators B: Chemical, 2002, 85, 19-25.	4.0	113
3	Extruded films of blended chitosan, low density polyethylene and ethylene acrylic acid. Carbohydrate Polymers, 2013, 91, 666-674.	5.1	70
4	Preparation, characterization and release of amoxicillin from cellulose acetate and poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 T 1772-1778.	3.8	65
5	Antimicrobial activity of chitosan nanofibers obtained by electrospinning. Polymer International, 2011, 60, 1663-1669.	1.6	51
6	Electrical, mechanical and piezo-resistive behavior of a polyaniline/poly(n-butyl methacrylate) composite. Composites Part A: Applied Science and Manufacturing, 2009, 40, 1573-1579.	3.8	37
7	Synthesis and characterization of composites of DBSA-doped polyaniline and polystyrene-based ionomers. Composites Part A: Applied Science and Manufacturing, 2007, 38, 639-645.	3.8	36
8	Amoxicillin embedded in cellulose acetate-poly (vinyl pyrrolidone) fibers prepared by coaxial electrospinning: Preparation and characterization. Materials Letters, 2012, 76, 250-254.	1.3	34
9	Preparation, characterization, and adsorption properties of cellulose acetateâ€polyaniline membranes. Journal of Applied Polymer Science, 2009, 111, 1216-1224.	1.3	28
10	Compatibilization of polyethylene/polyaniline blends with polyethyleneâ€graftâ€maleic anhydride. Journal of Applied Polymer Science, 2011, 119, 2895-2901.	1.3	23
11	Preparation and Characterization of Films Extruded of Polyethylene/Chitosan Modified with Poly(lactic acid). Materials, 2015, 8, 137-148.	1.3	22
12	Preparation by coaxial electrospinning and characterization of membranes releasing (â^') epicatechin as scaffold for tissue engineering. Materials Science and Engineering C, 2015, 46, 184-189.	3.8	22
13	Piezo-resistance effect in composite based on cross-linked polydimethylsiloxane and polyaniline: potential pressure sensor application. Journal of Materials Science, 2012, 47, 1794-1802.	1.7	21
14	Adsorption and desorption of a goldâ€“iodide complex onto cellulose acetate membrane coated with polyaniline or polypyrrole: a comparative study. Journal of Materials Science, 2011, 46, 7466-7474.	1.7	20
15	Electrically conducting polyaniline-PBMA composite films obtained by extrusion. Journal of Applied Polymer Science, 2003, 89, 179-183.	1.3	19
16	Grafting collagen on poly (lactic acid) by a simple route to produce electrospun scaffolds, and their cell adhesion evaluation. Tissue Engineering and Regenerative Medicine, 2016, 13, 375-387.	1.6	19
17	Electrical, mechanical, and piezoresistive properties of carbon nanotubeâ€“polyaniline hybrid filled polydimethylsiloxane composites. Journal of Applied Polymer Science, 2017, 134, .	1.3	19
18	Preparation and Characterization of Extruded Composites Based on Polypropylene and Chitosan Compatibilized with Polypropylene-Graft-Maleic Anhydride. Materials, 2017, 10, 105.	1.3	17

#	Article	IF	Citations
19	Electrospun cellulose acetate fibers for the photodecolorization of methylene blue solutions under natural sunlight. Polymer Bulletin, 2021, 78, 4419-4438.	1.7	16
20	Adsorption of a goldâ€iodide complex (AuI₂^{â^'}) onto cellulose acetateâ€polyaniline membranes: Equilibrium experiments. Journal of Applied Polymer Science, 2009, 113, 2670-2674.	1.3	14
21	Enzyme mediated synthesis of polypyrrole in the presence of chondroitin sulfate and redox mediators of natural origin. Materials Science and Engineering C, 2016, 63, 650-656.	3.8	14
22	Synthesis and swelling properties of pHâ€and temperatureâ€sensitive interpenetrating polymer networks composed of polyacrylamide and poly(Î³â€glutamic acid). Journal of Applied Polymer Science, 2011, 119, 3531-3537.	1.3	13
23	Selective adsorption of gold and silver in bromine solutions by acetate cellulose composite membranes coated with polyaniline or polypyrrole. Polymer Bulletin, 2018, 75, 3241-3265.	1.7	13
24	Urea sensing film prepared by extrusion from DBSA-doped polyaniline-poly(styrene-co-potassium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.0	12
25	pH- and temperature-sensitive semi-interpenetrating network hydrogels composed of poly(acrylamide) and poly(Î³-glutamic acid) as amoxicillin controlled-release system. Polymer Bulletin, 2012, 68, 197-207.	1.7	12
26	Electrospun tubes based on PLA, gelatin and genipin in different arrangements for blood vessel tissue engineering. Polymer Bulletin, 2020, 77, 5985-6003.	1.7	12
27	Fibrous membranes of cellulose acetate and poly(vinyl pyrrolidone) by electrospinning method: Preparation and characterization. Journal of Applied Polymer Science, 2010, 116, 1873-1878.	1.3	11
28	Preparation of polyaniline submicro/nanostructures using l-glutamic acid: Loading and releasing studies of amoxicillin. Synthetic Metals, 2013, 184, 41-47.	2.1	11
29	Chemical polymerization of pyrrole in the presence of <scp>l</scp>â€serine or <scp>l</scp>â€glutamic acid: Electrically controlled amoxicillin release from composite hydrogel. Journal of Applied Polymer Science, 2015, 132, .	1.3	11
30	Preparation and characterization of electroconductive polypyrrole-thermoplastic composites. Journal of Applied Polymer Science, 2001, 81, 1498-1506.	1.3	10
31	Synthesis and characterization of difluor-aniline polymers. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2130-2136.	2.4	10
32	An inexpensive, rapid, safe, and recycling-favoring method for the fabrication of core/shell PVP/CdS composite fibers from a gasâ€“solid reaction between H2S vapor and electrospun PVP/CdCl2. Materials Science in Semiconductor Processing, 2015, 38, 257-265.	1.9	10
33	Selective adsorption of metallic complex using polyaniline or polypyrrole. Materials Chemistry and Physics, 2016, 182, 39-48.	2.0	9
34	Chemochromic properties of neutral polyaniline throughout cholesterol exposure. Journal of Polymer Research, 2013, 20, 1.	1.2	4
35	Photocatalytic properties of PMMAâ€TiO₂ class I and class II hybrid nanofibers obtained by electrospinning. Journal of Applied Polymer Science, 2016, 133, .	1.3	4
36	Extrusion of polypropylene/chitosan/poly(lacticâ€acid) films: Chemical, mechanical, and thermal properties. Journal of Applied Polymer Science, 2021, 138, 49850.	1.3	4

#	Article	IF	Citations
37	Preparation and Characterization of Coaxial Electrospun Fibers Containing Triclosan for Comparative Study of Release Properties with Amoxicillin and Epicatechin. Current Drug Delivery, 2016, 13, 49-56.	0.8	3
38	DEGRADACIÃ“N ACELERADA DE PELÃCULAS DE POLIETILENO CON QUITOSANO COMPATIBILIZADAS CON ANHÃDRIDO MALÃ‰ICO. Revista Internacional De Contaminacion Ambiental, 2017, 33, 99-107.	0.1	3
39	Polyurethane electrospun membranes with <scp>hydroxyapatiteâ€vancomycin</scp> for potential application in bone tissue engineering and drug delivery. Journal of Applied Polymer Science, 2022, 139, 51893.	1.3	3
40	Synthesis by Emulsion Polymerization of Poly(butyl acrylate-co-silver acrylate) Ionomers and Evaluation of their Possible Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 876-884.	1.2	2
41	Study of the release kinetics of (â˜) epicatechin: Effect of its location within the fiber or sphere. Journal of Applied Polymer Science, 2019, 136, 47166.	1.3	1
42	A kinetic model for the adsorption of gold from I₂/I^{â˜} solutions onto a porous polymer membrane. Journal of Applied Polymer Science, 2012, 124, 1695-1706.	1.3	0