

Mara M Castillo-Ortega

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8866910/maria-m-castillo-ortega-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

782
citations

15
h-index

27
g-index

42
ext. papers

848
ext. citations

4.1
avg. IF

3.45
L-index

#	Paper	IF	Citations
42	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
41	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
40	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
39	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
38	Study of the release kinetics of (E)epicatechin: Effect of its location within the fiber or sphere. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47166	2.9	1
37	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
36	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
35	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
34	DEGRADACIÓN ACELERADA DE PELÍCULAS DE POLIETILENO CON QUITOSANO COMPATIBILIZADAS CON ANHÍDRIDO MÁLICO. <i>Revista Internacional De Contaminacion Ambiental</i> , 2017 , 33, 99-107	1.2	2
33	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
32	Selective adsorption of metallic complex using polyaniline or polypyrrole. <i>Materials Chemistry and Physics</i> , 2016 , 182, 39-48	4.4	7
31	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
30	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
29	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
28	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
27	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
26	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

25	Preparation and Characterization of Films Extruded of Polyethylene/Chitosan Modified with Poly(lactic acid). <i>Materials</i> , 2014 , 8, 137-148	3.5	17
24	Chemochromic properties of neutral polyaniline throughout cholesterol exposure. <i>Journal of Polymer Research</i> , 2013 , 20, 1	2.7	4
23	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
22	Extruded films of blended chitosan, low density polyethylene and ethylene acrylic acid. <i>Carbohydrate Polymers</i> , 2013 , 91, 666-74	10.3	54
21	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
20	A kinetic model for the adsorption of gold from I ₂ /KI solutions onto a porous polymer membrane. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1695-1706	2.9	
19	pH- and temperature-sensitive semi-interpenetrating network hydrogels composed of poly(acrylamide) and poly(β -glutamic acid) as amoxicillin controlled-release system. <i>Polymer Bulletin</i> , 2012 , 68, 197-207	2.4	10
18	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
17	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
16	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	8.3	59
15	Adsorption and desorption of a gold iodide 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
14	Antimicrobial activity of chitosan nanofibers obtained by electrospinning. <i>Polymer International</i> , 2011 , 60, 1663-1669	3.3	40
13	Compatibilization of polyethylene/polyaniline blends with polyethylene-graft-maleic anhydride. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 2895-2901	2.9	19
12	Synthesis and swelling properties of pH- and temperature-sensitive interpenetrating polymer networks composed of polyacrylamide and poly(β -glutamic acid). <i>Journal of Applied Polymer Science</i> , 2011 , 119, 3531-3537	2.9	11
11	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
10	Preparation, characterization, and adsorption properties of cellulose acetate-polyaniline membranes. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 1216-1224	2.9	26
9	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
8	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

7	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
6	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
5	Effect of Chitosan and Temperature on Spore Germination of <i>Aspergillus niger</i> . <i>Macromolecular Bioscience</i> , 2003 , 3, 582-586	5.5	113
4	Electrically conducting polyaniline-PBMA composite films obtained by extrusion. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 179-183	2.9	18
3	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
2	Synthesis and characterization of difluor-aniline polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 2130-2136	2.6	10
1	Preparation and characterization of electroconductive polypyrrole-thermoplastic composites. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 1498-1506	2.9	10