

# Jorge Romero-Garcia

## List of Publications by Citations

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39  
papers

985  
citations

17  
h-index

31  
g-index

40  
ext. papers

1,066  
ext. citations

4.3  
avg, IF

3.75  
L-index

#	Paper	IF	Citations
39	Dissociation of cephamycin and clavulanic acid biosynthesis in <i>Streptomyces clavuligerus</i> . <i>Applied Microbiology and Biotechnology</i> , <b>1984</b> , 20, 318-325	5.7	93
38	Template-free enzymatic synthesis of electrically conducting polyaniline using soybean peroxidase. <i>European Polymer Journal</i> , <b>2005</b> , 41, 1129-1135	5.2	76
37	Encapsulation and immobilization of papain in electrospun nanofibrous membranes of PVA cross-linked with glutaraldehyde vapor. <i>Materials Science and Engineering C</i> , <b>2015</b> , 52, 306-14	8.3	75
36	Preparation, characterization and release of amoxicillin from cellulose acetate and poly(vinyl pyrrolidone) coaxial electrospun fibrous membranes. <i>Materials Science and Engineering C</i> , <b>2011</b> , 31, 1772-1778	8.3	59
35	Novel antibacterial electrospun mats based on poly(d,l-lactide) nanofibers and zinc oxide nanoparticles. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 8373-8385	4.3	58
34	γ-Polyglutamic acid/chitosan nanoparticles for the plant growth regulator gibberellic acid: Characterization and evaluation of biological activity. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 1862-1873	10.3	57
33	Biomimetic polymerization of aniline using hematin supported on halloysite nanotubes. <i>Applied Catalysis A: General</i> , <b>2010</b> , 381, 267-273	5.1	52
32	pH- and thermosensitive polyaniline colloidal particles prepared by enzymatic polymerization. <i>Langmuir</i> , <b>2007</b> , 23, 8-12	4	52
31	Control release of lactate dehydrogenase encapsulated in poly (vinyl alcohol) nanofibers via electrospinning. <i>European Polymer Journal</i> , <b>2011</b> , 47, 1264-1272	5.2	47
30	Enzymatic synthesis of colloidal polyaniline particles. <i>Polymer</i> , <b>2006</b> , 47, 1563-1568	3.9	47
29	Electrospinning and electrospraying techniques for designing novel antibacterial poly(3-hydroxybutyrate)/zinc oxide nanofibrous composites. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 8593-8609	4.3	44
28	Morphology, phase continuity and mechanical behaviour of polyamide 6/chitosan blends. <i>Polymer</i> , <b>1999</b> , 40, 1657-1666	3.9	42
27	Study of cross-linking of gelatin by ethylene glycol diglycidyl ether. <i>Materials Letters</i> , <b>2008</b> , 62, 3656-3658	3.3	40
26	Preparation and characterization of Polyethylene/Clay/Silver nanocomposites using functionalized polyethylenes as an adhesion promoter. <i>Journal of Adhesion Science and Technology</i> , <b>2015</b> , 29, 1911-1923	3	28
25	Synthesis and swelling characteristics of semi-interpenetrating polymer network hydrogels composed of poly(acrylamide) and poly(γ-glutamic acid). <i>Materials Letters</i> , <b>2006</b> , 60, 1390-1393	3.3	28
24	Enzymatic synthesis of pH-responsive polyaniline colloids by using chitosan as steric stabilizer. <i>European Polymer Journal</i> , <b>2007</b> , 43, 3471-3479	5.2	18
23	Isolation and biochemical characterization of <i>Streptomyces clavuligerus</i> mutants in the biosynthesis of clavulanic acid and cephamycin C. <i>Applied Microbiology and Biotechnology</i> , <b>1988</b> , 27, 510-516	5.7	18

22	Morphology, thermal, and mechanical properties of polypropylene/polyaniline coated short glass fiber composites. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 2387-2395	2.9	16
21	Pectinesterase extraction from Mexican lime ( <i>Citrus aurantifolia</i> Swingle) and prickly pear ( <i>Opuntia ficus indica</i> L.) peels. <i>Food Chemistry</i> , <b>1999</b> , 65, 153-156	8.5	15
20	Immobilization of the enzyme $\beta$ -lactamase by self-assembly on thin films of a poly(phenyleneethynylene) sequenced with flexible segments containing sulfur atoms. <i>Materials Science and Engineering C</i> , <b>2007</b> , 27, 787-793	8.3	12
19	Nanostructured Pure and Substituted Cobalt Ferrites: Fabrication by Electrospinning and Study of Their Magnetic Properties. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 653, 290-297	5.7	11
18	Layer-by-layer assembled films of a rigid poly(phenyl-ethynylene) and alternate poly(phenyl-ethynylene)/poly(aniline). <i>Synthetic Metals</i> , <b>2003</b> , 139, 155-161	3.6	11
17	Supramolecular Recognition of <i>Escherichia coli</i> Bacteria by Fluorescent Oligo(Phenyleneethynylene)s with Mannopyranoside Termini Groups. <i>Sensors</i> , <b>2017</b> , 17,	3.8	9
16	Fluorescent core-sheath fibers by electrospinning of a phenyleneethynylene/poly(styrene-co-maleimide) blend. <i>Polymer</i> , <b>2011</b> , 52, 5326-5334	3.9	9
15	Partial purification, characterization and nitrogen regulation of the lysine epsilon-aminotransferase of <i>Streptomyces clavuligerus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>1997</b> , 18, 241-6	4.2	9
14	Dodecanoxy-phenylethynylene oligomers for light emitting diodes. <i>Synthetic Metals</i> , <b>2004</b> , 147, 267-270	3.6	9
13	Nucleation activity of polyaniline coated short glass fiber towards isotactic polypropylene. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 5107-5109	4.3	9
12	Synthesis and photophysical and supramolecular study of $\beta$ -conjugated (diethylene glycol methyl ether) benzoateethynylene oligomers and polymers. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 1639-1648	4.9	7
11	Development of stained polymeric nanocapsules loaded with model drugs: Use of a fluorescent poly(phenyleneethynylene). <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 147, 442-449	6	7
10	Preparation of Electrospun Barium Titanate/Polyvinylidene Fluoride Piezoelectric Membranes. <i>Materials Science Forum</i> , <b>2010</b> , 644, 33-37	0.4	7
9	Layer-by-layer films of enzymatically synthesized poly(aniline)/bacterial poly( $\beta$ -glutamic acid) for the construction of nanocapacitors. <i>European Polymer Journal</i> , <b>2007</b> , 43, 1672-1680	5.2	7
8	Candelilla Wax as Natural Slow-Release Matrix for Fertilizers Encapsulated by Spray Chilling. <i>Journal of Renewable Materials</i> , <b>2017</b> ,	2.4	5
7	In Situ Production of Polymer-Capped Silver Nanoparticles for Optical Biosensing. <i>Macromolecular Symposia</i> , <b>2009</b> , 283-284, 167-173	0.8	4
6	Radical addition polymerization: Enzymatic template-free synthesis of conjugated polymers and their nanostructure fabrication. <i>Methods in Enzymology</i> , <b>2019</b> , 627, 321-337	1.7	1
5	Polyamide-6/Chitosan Blends. Preliminary Results. <i>Journal of Polymer Engineering</i> , <b>1997</b> , 17,	1.4	1

4	Optical and morphological properties of self assembled thin films of poly[1,6-di(N-carbazolyl)2,4-hexadiyne]. <i>Synthetic Metals</i> , <b>2003</b> , 139, 561-564	3.6	1
3	Extrusion of polypropylene/chitosan/poly(lactic-acid) films: Chemical, mechanical, and thermal properties. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 49850	2.9	1
2	Solid state films of two urethane polycarbazoldiacetylenes with methylene spacers between the urethane moiety and the diacetylene backbone. <i>Polymer Bulletin</i> , <b>2005</b> , 53, 269-275	2.4	
1	Collagen Scaffold Derived from Tilapia ( <i>Oreochromis niloticus</i> ) Skin: Obtention, Structural and Physico-chemical Properties. <i>Journal of Aquatic Food Product Technology</i> , <b>2022</b> , 31, 374-387	1.6	