Jorge Fernndez Hernndez

List of Publications by Citations

21 papers	379 citations	11 h-index	19 g-index
22 ext. papers	465 ext. citations	4.7 avg, IF	3.65 L-index

#	Paper	IF	Citations
21	Synthesis, structure and properties of poly(L-lactide-co-Ecaprolactone) statistical copolymers. *Journal of the Mechanical Behavior of Biomedical Materials*, **2012**, 9, 100-12	4.1	123
20	Effects of chain microstructures on mechanical behavior and aging of a poly(L-lactide-co-Ecaprolactone) biomedical thermoplastic-elastomer. *Journal of the Mechanical Behavior of Biomedical Materials*, **2012**, 12, 29-38	4.1	45
19	In vitro degradation studies and mechanical behavior of poly(Ecaprolactone-co-Evalerolactone) and poly(Ecaprolactone-co-L-lactide) with random and semi-alternating chain microstructures. *European Polymer Journal*, **2015**, 71, 585-595	5.2	24
18	Synthesis and characterization of Epentadecalactone-co-Edecalactone copolymers: Evaluation of thermal, mechanical and biodegradation properties. *Polymer*, **2015**, 81, 12-22	3.9	21
17	Design, Degradation Mechanism and Long-Term Cytotoxicity of Poly(L-lactide) and Poly(Lactide-co-?-Caprolactone) Terpolymer Film and Air-Spun Nanofiber Scaffold. *Macromolecular Bioscience*, **2015**, 15, 1392-410	5.5	21
16	Effect of molecular weight on the physical properties of poly(ethylene brassylate) homopolymers. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 64, 209-19	4.1	19
15	Ethylene brassylate-co-Ehexalactone biobased polymers for application in the medical field: synthesis, characterization and cell culture studies. *RSC Advances*, **2016**, 6, 22121-22136	3.7	17
14	Synthesis and properties of Epentadecalactone-co-Ehexalactone copolymers: a biodegradable thermoplastic elastomer as an alternative to poly(Ecaprolactone). *RSC Advances*, **2016**, 6, 3137-3149	3.7	16
13	Morphology and mechanical properties of poly(ethylene brassylate)/cellulose nanocrystal composites. *Carbohydrate Polymers*, **2019**, 221, 137-145	10.3	15
12	Crystallization and melting behavior of poly(Ecaprolactone-co-Evalerolactone) and poly(Ecaprolactone-co-L-lactide) copolymers with novel chain microstructures. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	12
11	Ethylene brassylate: Searching for new comonomers that enhance the ductility and biodegradability of polylactides. *Polymer Degradation and Stability*, **2017**, 137, 23-34	4.7	11
10	Mechanical properties and fatigue analysis on poly(Ecaprolactone)-polydopamine-coated nanofibers and poly(Ecaprolactone)-carbon nanotube composite scaffolds. *European Polymer Journal*, **2017**, 94, 208-221	5.2	11
9	Improving the barrier character of polylactide/phenoxy immiscible blend using poly(lactide-co-e-caprolactone) block copolymer as a compatibilizer. *Journal of Applied Polymer Science*, **2017**, 134, 45396	2.9	10
8	Release mechanisms of urinary tract antibiotics when mixed with bioabsorbable polyesters. *Materials Science and Engineering C*, **2018**, 93, 529-538	8.3	9
7	Electrospun Fibers of Polyester, with Both Nano- and Micron Diameters, Loaded with Antioxidant for Application as Wound Dressing or Tissue Engineered Scaffolds. *ACS Applied Polymer Materials*, **2019**, 1, 1096-1106	4.3	6
6	Novel biodegradable and non-fouling systems for controlled-release based on poly(Ecaprolactone)/Quercetin blends and biomimetic bacterial S-layer coatings.. *RSC Advances*, **2019**, 9, 24154-24163	3.7	5
5	Analysis of a poly(Edecalactone)/silver nanowire composite as an electrically conducting neural interface biomaterial. *BMC Biomedical Engineering*, **2019**, 1, 9	4.3	3

4	A flexible strain-responsive sensor fabricated from a biocompatible electronic ink via an additive-manufacturing process. *Materials and Design*, **2021**, 206, 109700	8.1	3
3	Grafting of a model protein on lactide and caprolactone based biodegradable films for biomedical applications. *Biomatter*, **2014**, 4, e27979		2
2	Plasticization of poly(lactide) with poly(ethylene glycol): Low weight plasticizer vs triblock copolymers. Effect on free volume and barrier properties. *Journal of Applied Polymer Science*, **2020**, 137, 48868	2.9	2
1	Electrical percolation in extrinsically conducting, poly(□decalactone) composite neural interface materials. *Scientific Reports*, **2021**, 11, 1295	4.9	2