

Jorge Fernndez Hernndez

List of Publications by Year in Descending Order

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

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	Electrical percolation in extrinsically conducting, poly(ϵ -decalactone) composite neural interface materials. <i>Scientific Reports</i> , 2021 , 11, 1295	4.9	2
20	A flexible strain-responsive sensor fabricated from a biocompatible electronic ink via an additive-manufacturing process. <i>Materials and Design</i> , 2021 , 206, 109700	8.1	3
19	Plasticization of poly(lactide) with poly(ethylene glycol): Low weight plasticizer vs triblock copolymers. Effect on free volume and barrier properties. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48868	2.9	2
18	Novel biodegradable and non-fouling systems for controlled-release based on poly(ϵ -caprolactone)/Quercetin blends and biomimetic bacterial S-layer coatings.. <i>RSC Advances</i> , 2019 , 9, 24154-24163	3.7	5
17	Morphology and mechanical properties of poly(ethylene brassylate)/cellulose nanocrystal composites. <i>Carbohydrate Polymers</i> , 2019 , 221, 137-145	10.3	15
16	Electrospun Fibers of Polyester, with Both Nano- and Micron Diameters, Loaded with Antioxidant for Application as Wound Dressing or Tissue Engineered Scaffolds. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1096-1106	4.3	6
15	Analysis of a poly(ϵ -decalactone)/silver nanowire composite as an electrically conducting neural interface biomaterial. <i>BMC Biomedical Engineering</i> , 2019 , 1, 9	4.3	3
14	Release mechanisms of urinary tract antibiotics when mixed with bioabsorbable polyesters. <i>Materials Science and Engineering C</i> , 2018 , 93, 529-538	8.3	9
13	Ethylene brassylate: Searching for new comonomers that enhance the ductility and biodegradability of polylactides. <i>Polymer Degradation and Stability</i> , 2017 , 137, 23-34	4.7	11
12	Improving the barrier character of polylactide/phenoxy immiscible blend using poly(lactide-co- ϵ -caprolactone) block copolymer as a compatibilizer. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45396	2.9	10
11	Mechanical properties and fatigue analysis on poly(ϵ -caprolactone)-polydopamine-coated nanofibers and poly(ϵ -caprolactone)-carbon nanotube composite scaffolds. <i>European Polymer Journal</i> , 2017 , 94, 208-221	5.2	11
10	Synthesis and properties of ϵ -pentadecalactone-co- ϵ -hexalactone copolymers: a biodegradable thermoplastic elastomer as an alternative to poly(ϵ -caprolactone). <i>RSC Advances</i> , 2016 , 6, 3137-3149	3.7	16
9	Ethylene brassylate-co- ϵ -hexalactone biobased polymers for application in the medical field: synthesis, characterization and cell culture studies. <i>RSC Advances</i> , 2016 , 6, 22121-22136	3.7	17
8	Effect of molecular weight on the physical properties of poly(ethylene brassylate) homopolymers. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 64, 209-19	4.1	19
7	In vitro degradation studies and mechanical behavior of poly(ϵ -caprolactone-co- ϵ -valerolactone) and poly(ϵ -caprolactone-co-L-lactide) with random and semi-alternating chain microstructures. <i>European Polymer Journal</i> , 2015 , 71, 585-595	5.2	24
6	Synthesis and characterization of ϵ -pentadecalactone-co- ϵ -decalactone copolymers: Evaluation of thermal, mechanical and biodegradation properties. <i>Polymer</i> , 2015 , 81, 12-22	3.9	21
5	Design, Degradation Mechanism and Long-Term Cytotoxicity of Poly(L-lactide) and Poly(Lactide-co- ϵ -Caprolactone) Terpolymer Film and Air-Spun Nanofiber Scaffold. <i>Macromolecular Bioscience</i> , 2015 , 15, 1392-410	5.5	21

4	Crystallization and melting behavior of poly(ϵ -caprolactone-co- ϵ -valerolactone) and poly(ϵ -caprolactone-co-L-lactide) copolymers with novel chain microstructures. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	12
3	Grafting of a model protein on lactide and caprolactone based biodegradable films for biomedical applications. <i>Biomatter</i> , 2014 , 4, e27979		2
2	Synthesis, structure and properties of poly(L-lactide-co- ϵ -caprolactone) statistical copolymers. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012 , 9, 100-12	4.1	123
1	Effects of chain microstructures on mechanical behavior and aging of a poly(L-lactide-co- ϵ -caprolactone) biomedical thermoplastic-elastomer. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012 , 12, 29-38	4.1	45