Jorge FernÃ¡ndez HernÃ¡ndez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4690736/publications.pdf

Version: 2024-02-01

22 papers	526 citations	759233 12 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	774 citing authors

#	Article	IF	Citations
1	Crystallization Rate Minima of Poly(ethylene brassylate) at Temperatures Transitioning between Quantized Crystal Thicknesses. Macromolecules, 2022, 55, 3958-3973.	4.8	10
2	Electrical percolation in extrinsically conducting, poly(Îµ-decalactone) composite neural interface materials. Scientific Reports, 2021, 11, 1295.	3.3	11
3	A flexible strain-responsive sensor fabricated from a biocompatible electronic ink via an additive-manufacturing process. Materials and Design, 2021, 206, 109700.	7.0	11
4	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.	2.6	10
5	Novel biodegradable and non-fouling systems for controlled-release based on poly(Îµ-caprolactone)/Quercetin blends and biomimetic bacterial S-layer coatings. RSC Advances, 2019, 9, 24154-24163.	3.6	5
6	Morphology and mechanical properties of poly(ethylene brassylate)/cellulose nanocrystal composites. Carbohydrate Polymers, 2019, 221, 137-145.	10.2	22
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.	4.4	11
8	Analysis of a poly(Îµ-decalactone)/silver nanowire composite as an electrically conducting neural interface biomaterial. BMC Biomedical Engineering, 2019, 1, 9.	2.6	7
9	Release mechanisms of urinary tract antibiotics when mixed with bioabsorbable polyesters. Materials Science and Engineering C, 2018, 93, 529-538.	7.3	13
10	Ethylene brassylate: Searching for new comonomers that enhance the ductility and biodegradability of polylactides. Polymer Degradation and Stability, 2017, 137, 23-34.	5.8	17
11	Improving the barrier character of polylactide/phenoxy immiscible blend using poly(lactideâ€coâ€Ÿâ€caprolactone) block copolymer as a compatibilizer. Journal of Applied Polymer Science, 2017, 134, 45396.	2.6	10
12	Mechanical properties and fatigue analysis on poly(Îµ-caprolactone)-polydopamine-coated nanofibers and poly(Îµ-caprolactone)-carbon nanotube composite scaffolds. European Polymer Journal, 2017, 94, 208-221.	5.4	19
13	Ethylene brassylate-co-Î´-hexalactone biobased polymers for application in the medical field: synthesis, characterization and cell culture studies. RSC Advances, 2016, 6, 22121-22136.	3.6	22
14	Effect of molecular weight on the physical properties of poly(ethylene brassylate) homopolymers. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 64, 209-219.	3.1	26
15	Synthesis and properties of Ï‰-pentadecalactone-co-Î´-hexalactone copolymers: a biodegradable thermoplastic elastomer as an alternative to poly(Îµ-caprolactone). RSC Advances, 2016, 6, 3137-3149.	3.6	20
16	Design, Degradation Mechanism and Longâ€Term Cytotoxicity of Poly(<scp>l</scp>â€lactide) and Poly(Lactideâ€coâ€Îµâ€Caprolactone) Terpolymer Film and Airâ€Spun Nanofiber Scaffold. Macromolecular Bioscience, 2015, 15, 1392-1410.	4.1	25
17	Crystallization and melting behavior of poly(Îµâ€caprolactoneâ€coâ€Î´â€valerolactone) and poly(Îµâ€caprolactoneâ€coâ€Lâ€lactide) copolymers with novel chain microstructures. Journal of Applied Polymer Science, 2015, 132, .	2.6	13
18	In vitro degradation studies and mechanical behavior of poly(Îµ-caprolactone-co-Î´-valerolactone) and poly(Îµ-caprolactone-co-L-lactide) with random and semi-alternating chain microstructures. European Polymer Journal, 2015, 71, 585-595.	5.4	28

#	Article	IF	Citations
19	Synthesis and characterization of Ï‰-pentadecalactone-co-Îµ-decalactone copolymers: Evaluation of thermal, mechanical and biodegradation properties. Polymer, 2015, 81, 12-22.	3.8	27
20	Grafting of a model protein on lactide and caprolactone based biodegradable films for biomedical applications. Biomatter, 2014, 4, e27979.	2.6	6
21	Effects of chain microstructures on mechanical behavior and aging of a poly(L-lactide-co-<mml:math) Tj ETQq1 1 0.784314 rgBT /Ove lo thermoplastic-elastomer. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 12, 29-38.	3.1	51
22	Synthesis, structure and properties of poly(L-lactide-co-ε-caprolactone) statistical copolymers. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 9, 100-112.	3.1	162