Oscar Gil-Castell

List of Publications by Year
in descending order

30 papers	652 citations	567144 15 h-index	580701 25 g-index
30 all docs	30 docs citations	30 times ranked	801 citing authors

#	Article	IF	Citations
1	Poly (lactic acid)/Dâ€limonene/<scp>ZnO bioâ€nanocomposites</scp>with antimicrobial properties. Journal of Applied Polymer Science, 2022, 139, 51542.	1.3	11
2	Conductive polycaprolactone/gelatin/polyaniline nanofibres as functional scaffolds for cardiac tissue regeneration. Reactive and Functional Polymers, 2022, 170, 105064.	2.0	22
3	Brewerâ€™s spent grains as biofuels in combustion-based energy recovery processes: Evaluation of thermo-oxidative decomposition. Fuel, 2022, 312, 122955.	3.4	7
4	The Role of Eucalyptus Species on the Structural and Thermal Performance of Cellulose Nanocrystals (CNCs) Isolated by Acid Hydrolysis. Polymers, 2022, 14, 423.	2.0	3
5	Triblock <scp>SEBS</scp>/<scp>DVB</scp> crosslinked and sulfonated membranes: Fuel cell performance and conductivity. Journal of Applied Polymer Science, 2021, 138, 50671.	1.3	3
6	Recycling of Polylactide. , 2020, , 282-295.		1
7	Polycaprolactone/gelatin-based scaffolds with tailored performance: in vitro and in vivo validation. Materials Science and Engineering C, 2020, 107, 110296.	3.8	28
8	Influence of substrate and temperature on the biodegradation of polyester-based materials: Polylactide and poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) as model cases. Polymer Degradation and Stability, 2020, 180, 109288.	2.7	22
9	Encapsulation of Vitamins A and E as Spray-Dried Additives for the Feed Industry. Molecules, 2020, 25, 1357.	1.7	31
10	Performance of Sulfonated Poly(Vinyl Alcohol)/Graphene Oxide Polyelectrolytes for Direct Methanol Fuel Cells. Energy Technology, 2020, 8, 2000124.	1.8	5
11	Influence of the Molecular Weight on PVA/GO Composite Membranes for Fuel Cell Applications. Journal of Renewable Materials, 2020, 8, 1171-1180.	1.1	1
12	IQLABS: REVAMPING THE LABORATORY SUBJECTS OF THE CHEMICAL ENGINEERING DEGREE OF THE UNIVERSITY OF VALENCIA TO FAVOR THE LEVEL OF COMPETENCIES ACQUISITION. , 2020, , .		0
13	Crosslinked chitosan/poly(vinyl alcohol)-based polyelectrolytes for proton exchange membranes. Reactive and Functional Polymers, 2019, 142, 213-222.	2.0	26
14	Spray-Drying Performance and Thermal Stability of L-Ascorbic Acid Microencapsulated with Sodium Alginate and Gum Arabic. Molecules, 2019, 24, 2872.	1.7	16
15	Performance of Polyester-Based Electrospun Scaffolds under In Vitro Hydrolytic Conditions: From Short-Term to Long-Term Applications. Nanomaterials, 2019, 9, 786.	1.9	15
16	Effective antimicrobial materials based on low-density polyethylene (LDPE) with zinc oxide (ZnO) nanoparticles. Composites Part B: Engineering, 2019, 172, 173-178.	5.9	71
17	Crosslinked Sulfonated Poly(vinyl alcohol)/Graphene Oxide Electrospun Nanofibers as Polyelectrolytes. Nanomaterials, 2019, 9, 397.	1.9	27
18	Dielectric spectroscopy of novel thiol-ene/epoxy thermosets obtained from allyl-modified hyperbranched poly(ethyleneimine) and diglycidylether of bisphenol A. European Polymer Journal, 2019, 113, 98-106.	2.6	9

#	Article	IF	Citations
19	Functionalised Poly(Vinyl Alcohol)/Graphene Oxide as Polymer Composite Electrolyte Membranes. Journal of Renewable Materials, 2019, 7, 655-665.	1.1	4
20	MY SMART QUARTIER: PRACTICES OF CITIZEN E-PARTICIPATION AND A TOOL TO DETECT NEEDS IN DIGITAL ILLITERACY. INTED Proceedings, 2019, , .	0.0	0
21	MY SMART QUARTIER: CREATIVITY, INNOVATION AND COLLABORATION FOR THE DEVELOPMENT OF DIGITAL COMPETENCES. , 2019, , .		0
22	In vitro validation of biomedical polyester-based scaffolds: Poly(lactide-co-glycolide) as model-case. Polymer Testing, 2018, 66, 256-267.	2.3	18
23	Tailored electrospun nanofibrous polycaprolactone/gelatin scaffolds into an acid hydrolytic solvent system. European Polymer Journal, 2018, 101, 273-281.	2.6	31
24	Suitability of Blends from Virgin and Reprocessed Polylactide: Performance and Energy Valorization Kinetics. Journal of Renewable Materials, 2018, 6, 370-382.	1.1	11
25	Polylactide-based self-reinforced composites biodegradation: Individual and combined influence of temperature, water and compost. Polymer Degradation and Stability, 2018, 158, 40-51.	2.7	35
26	Effect of the dissolution time into an acid hydrolytic solvent to tailor electrospun nanofibrous polycaprolactone scaffolds. European Polymer Journal, 2017, 87, 174-187.	2.6	26
27	Long-term properties and end-of-life of polymers from renewable resources. Polymer Degradation and Stability, 2017, 137, 35-57.	2.7	82
28	Impact of hydrothermal ageing on the thermal stability, morphology and viscoelastic performance of PLA/sisal biocomposites. Polymer Degradation and Stability, 2016, 132, 87-96.	2.7	58
29	Novel silicon microparticles to improve sunlight stability of raw polypropylene. European Polymer Journal, 2015, 70, 247-261.	2.6	19
30	Hydrothermal ageing of polylactide/sisal biocomposites. Studies of water absorption behaviour and Physico-Chemical performance. Polymer Degradation and Stability, 2014, 108, 212-222.	2.7	70