Luis Quiles Carrillo

List of Publications by Year
in descending order

63	1,775	218381	315357
papers	citations	26 h-index	38 g-index

63	63	63	1392
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Effect of Varying the Amount of Short Hemp Fibers on Mechanical and Thermal Properties of Woodâ€“Plastic Composites from Biobased Polyethylene Processed by Injection Molding. Polymers, 2022, 14, 138.	2.0	13
2	Development and Characterization of High Environmentally Friendly Composites of Bio-Based Polyamide 1010 with Enhanced Fire Retardancy Properties by Expandable Graphite. Polymers, 2022, 14, 1843.	2.0	8
3	Development and Characterization of Polylactide Blends with Improved Toughness by Reactive Extrusion with Lactic Acid Oligomers. Polymers, 2022, 14, 1874.	2.0	4
4	Green Composites from Partially Bio-Based Poly(butylene succinate-co-adipate)-PBSA and Short Hemp Fibers with Itaconic Acid-Derived Compatibilizers and Plasticizers. Polymers, 2022, 14, 1968.	2.0	14
5	Development of Compatibilized Polyamide 1010/Coconut Fibers Composites by Reactive Extrusion with Modified Linseed Oil and Multi-functional Petroleum Derived Compatibilizers. Fibers and Polymers, 2021, 22, 728-744.	1.1	7
6	Improvement of Impact Strength of Polylactide Blends with a Thermoplastic Elastomer Compatibilized with Biobased Maleinized Linseed Oil for Applications in Rigid Packaging. Molecules, 2021, 26, 240.	1.7	20
7	Manufacturing and Characterization of Highly Environmentally Friendly Sandwich Composites from Polylactide Cores and Flax-Polylactide Faces. Polymers, 2021, 13, 342.	2.0	9
8	Upgrading Argan Shell Wastes in Wood Plastic Composites with Biobased Polyethylene Matrix and Different Compatibilizers. Polymers, 2021, 13, 922.	2.0	23
9	Kinetic Analysis of the Curing Process of Biobased Epoxy Resin from Epoxidized Linseed Oil by Dynamic Differential Scanning Calorimetry. Polymers, 2021, 13, 1279.	2.0	13
10	Upgrading Recycled Polypropylene from Textile Wastes in Wood Plastic Composites with Short Hemp Fiber. Polymers, 2021, 13, 1248.	2.0	30
11	Development and Characterization of Environmentally Friendly Wood Plastic Composites from Biobased Polyethylene and Short Natural Fibers Processed by Injection Moulding. Polymers, 2021, 13, 1692.	2.0	26
12	Biopolymers from Natural Resources. Polymers, 2021, 13, 2532.	2.0	23
13	Improved Toughness of Polylactide by Binary Blends with Polycarbonate with Glycidyl and Maleic Anhydrideâ€Based Compatibilizers. Macromolecular Materials and Engineering, 2021, 306, 2100480.	1.7	6
14	On the Use of Phenolic Compounds Present in Citrus Fruits and Grapes as Natural Antioxidants for Thermo-Compressed Bio-Based High-Density Polyethylene Films. Antioxidants, 2021, 10, 14.	2.2	29
15	Enhancement of the processing window and performance of polyamide 1010/bioâ€based highâ€density polyethylene blends by melt mixing with natural additives. Polymer International, 2020, 69, 61-71.	1.6	18
16	On the Use of Gallic Acid as a Potential Natural Antioxidant and Ultraviolet Light Stabilizer in Cast-Extruded Bio-Based High-Density Polyethylene Films. Polymers, 2020, 12, 31.	2.0	31
17	Injection-Molded Parts of Partially Biobased Polyamide 610 and Biobased Halloysite Nanotubes. Polymers, 2020, 12, 1503.	2.0	13
18	Microencapsulation of Copper(II) Sulfate in Ionically Cross-Linked Chitosan by Spray Drying for the Development of Irreversible Moisture Indicators in Paper Packaging. Polymers, 2020, 12, 2039.	2.0	11

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19	The Effect of Halloysite Nanotubes on the Fire Retardancy Properties of Partially Biobased Polyamide 610. Polymers, 2020, 12, 3050.	2.0	12
20	Manufacturing and Properties of Binary Blend from Bacterial Polyester Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) and Poly(caprolactone) with Improved Toughness. Polymers, 2020, 12, 1118.	2.0	25
21	Development and Characterization of Environmentally Friendly Insulation Materials for the Building Industry from Olive Pomace Waste. Fibers and Polymers, 2020, 21, 1142-1151.	1.1	2
22	Valorization of Cotton Industry Byproducts in Green Composites with Polylactide. Journal of Polymers and the Environment, 2020, 28, 2039-2053.	2.4	13
23	Tailoring the Properties of Thermo-Compressed Polylactide Films for Food Packaging Applications by Individual and Combined Additions of Lactic Acid Oligomer and Halloysite Nanotubes. Molecules, 2020, 25, 1976.	1.7	32
24	Development and Characterization of Sustainable Composites from Bacterial Polyester Poly(3-Hydroxybutyrate-co-3-hydroxyhexanoate) and Almond Shell Flour by Reactive Extrusion with Oligomers of Lactic Acid. Polymers, 2020, 12, 1097.	2.0	19
25	Manufacturing and Characterization of Green Composites with Partially Biobased Epoxy Resin and Flaxseed Flour Wastes. Applied Sciences (Switzerland), 2020, 10, 3688.	1.3	11
26	Assessment of the Mechanical and Thermal Properties of Injection-Molded Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/Hydroxyapatite Nanoparticles Parts for Use in Bone Tissue Engineering. Polymers, 2020, 12, 1389.	2.0	17
27	Mechanical Recycling of Partially Bio-Based and Recycled Polyethylene Terephthalate Blends by Reactive Extrusion with Poly(styrene-co-glycidyl methacrylate). Polymers, 2020, 12, 174.	2.0	25
28	A comparative study on the reactive compatibilization of melt-processed polyamide 1010/polylactide blends by multi-functionalized additives derived from linseed oil and petroleum. EXPRESS Polymer Letters, 2020, 14, 583-604.	1.1	8
29	Manufacturing of composite materials with high environmental efficiency using epoxy resin of renewable origin and permeable light cores for vacuum-assisted infusion molding. Ingenius: Revista De Ciencia Y TecnologÃa, 2020, , 62-73.	0.1	3
30	EFFECT OF INFILL PARAMETERS ON MECHANICAL PROPERTIES IN ADDITIVE MANUFACTURING. Dyna (Spain), 2020, 95, 412-417.	0.1	13
31	High toughness poly(lactic acid) (PLA) formulations obtained by ternary blends with poly(3-hydroxybutyrate) (PHB) and flexible polyesters from succinic acid. Polymer Bulletin, 2019, 76, 1839-1859.	1.7	21
32	Injection-molded parts of fully bio-based polyamide 1010 strengthened with waste derived slate fibers pretreated with glycidyl- and amino-silane coupling agents. Polymer Testing, 2019, 77, 105875.	2.3	27
33	Optimization of Microwave-Assisted Extraction of Phenolic Compounds with Antioxidant Activity from Carob Pods. Food Analytical Methods, 2019, 12, 2480-2490.	1.3	37
34	Bioactive Multilayer Polylactide Films with Controlled Release Capacity of Gallic Acid Accomplished by Incorporating Electrospun Nanostructured Coatings and Interlayers. Applied Sciences (Switzerland), 2019, 9, 533.	1.3	52
35	Functionalization of Partially Bio-Based Poly(Ethylene Terephthalate) by Blending with Fully Bio-Based Poly(Amide) 10,10 and a Glycidyl Methacrylate-Based Compatibilizer. Polymers, 2019, 11, 1331.	2.0	9
36	Optimization of the Curing and Post-Curing Conditions for the Manufacturing of Partially Bio-Based Epoxy Resins with Improved Toughness. Polymers, 2019, 11, 1354.	2.0	38

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37	Optimization of the Loading of an Environmentally Friendly Compatibilizer Derived from Linseed Oil in Poly(Lactic Acid)/Diatomaceous Earth Composites. Materials, 2019, 12, 1627.	1.3	20
38	Cover Image, Volume 68, Issue 5. Polymer International, 2019, 68, i-i.	1.6	0
39	Enhanced Interfacial Adhesion of Polylactide/Poly(Îµ-caprolactone)/Walnut Shell Flour Composites by Reactive Extrusion with Maleinized Linseed Oil. Polymers, 2019, 11, 758.	2.0	28
40	Kinetic Analysis of the Curing of a Partially Biobased Epoxy Resin Using Dynamic Differential Scanning Calorimetry. Polymers, 2019, 11, 391.	2.0	33
41	Effect of different compatibilizers on environmentally friendly composites from poly(lactic acid) and diatomaceous earth. Polymer International, 2019, 68, 893-903.	1.6	21
42	Toughened Poly(Lactic Acid)â€"PLA Formulations by Binary Blends with Poly(Butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (Su	1.3	51
43	Development of Sustainable and Cost-Competitive Injection-Molded Pieces of Partially Bio-Based Polyethylene Terephthalate through the Valorization of Cotton Textile Waste. International Journal of Molecular Sciences, 2019, 20, 1378.	1.8	33
44	Effects of Lignocellulosic Fillers from Waste Thyme on Melt Flow Behavior and Processability of Wood Plastic Composites (WPC) with Biobased Poly(ethylene) by Injection Molding. Journal of Polymers and the Environment, 2019, 27, 747-756.	2.4	12
45	Optimization of Maleinized Linseed Oil Loading as a Biobased Compatibilizer in Poly(Butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.3	20
46	Kinetic Analysis of the Thermal Degradation of Recycled Acrylonitrile-Butadiene-Styrene by non-Isothermal Thermogravimetry. Polymers, 2019, 11, 281.	2.0	26
47	Development of Injection-Molded Polylactide Pieces with High Toughness by the Addition of Lactic Acid Oligomer and Characterization of Their Shape Memory Behavior. Polymers, 2019, 11, 2099.	2.0	17
48	Study of the Influence of the Reprocessing Cycles on the Final Properties of Polylactide Pieces Obtained by Injection Molding. Polymers, 2019, 11, 1908.	2.0	74
49	A comparative study on the effect of different reactive compatibilizers on injectionâ€molded pieces of bioâ€based highâ€density polyethylene/polylactide blends. Journal of Applied Polymer Science, 2019, 136, 47396.	1.3	30
50	In Situ Compatibilization of Biopolymer Ternary Blends by Reactive Extrusion with Low-Functionality Epoxy-Based Styreneâ€"Acrylic Oligomer. Journal of Polymers and the Environment, 2019, 27, 84-96.	2.4	42
51	Development and characterization of environmentally friendly composites from poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Engineering, 2018, 144, 153-162.	5.9	94
52	Effect of different compatibilizers on injection-molded green composite pieces based on polylactide filled with almond shell flour. Composites Part B: Engineering, 2018, 147, 76-85.	5.9	71
53	On the use of acrylated epoxidized soybean oil as a reactive compatibilizer in injectionâ€molded compostable pieces consisting of polylactide filled with orange peel flour. Polymer International, 2018, 67, 1341-1351.	1.6	32
54	Reactive toughening of injection-molded polylactide pieces using maleinized hemp seed oil. European Polymer Journal, 2018, 98, 402-410.	2.6	56

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55	Enhancement of the mechanical and thermal properties of injection-molded polylactide parts by the addition of acrylated epoxidized soybean oil. Materials and Design, 2018, 140, 54-63.	3.3	71
56	Compatibilization of highly sustainable polylactide/almond shell flour composites by reactive extrusion with maleinized linseed oil. Industrial Crops and Products, 2018, 111, 878-888.	2.5	106
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