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List of Publications by Year
in descending order

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68 papers	2,441 citations	257101 24 h-index	205818 48 g-index
69 all docs	69 docs citations	69 times ranked	2544 citing authors

#	Article	IF	Citations
1	Impact of Titanium Dioxide in the Mechanical Recycling of Post-Consumer Polyethylene Terephthalate Bottle Waste: Tensile and Fracture Behavior. Polymers, 2021, 13, 310.	2.0	10
2	Innovative One-Shot Paradigm to Tune Fillerâ€“Polymer Matrix Interface Properties by Plasma Polymer Coating in Osteosynthesis Applications. ACS Applied Bio Materials, 2021, 4, 3067-3078.	2.3	1
3	Influence of the Melt Extrusion Process on the Mechanical Behavior and the Thermal Properties of Ethylene Vinyl Alcohol Copolymer by Applying the Successive Self-nucleation and Annealing Thermal Fractionation. Fibers and Polymers, 2021, 22, 1822-1829.	1.1	3
4	Extruded-Calendered Sheets of Fully Recycled PP/Opaque PET Blends: Mechanical and Fracture Behaviour. Polymers, 2021, 13, 2360.	2.0	3
5	Structure and Properties of Reactively Extruded Opaque Post-Consumer Recycled PET. Polymers, 2021, 13, 3531.	2.0	17
6	Kinetics of the Thermal Degradation of Poly(lactic acid) and Polyamide Bioblends. Polymers, 2021, 13, 3996.	2.0	19
7	Hard/soft combinations based on thermoplastic elastomer and a rigid thermoplastic polymer: Study of the adhesion strength. , 2020, , 113-131.		1
8	PLA/PA Bio-Blends: Induced Morphology by Extrusion. Polymers, 2020, 12, 10.	2.0	16
9	Biphasic polylactide/polyamide 6,10 blends: Influence of composition on polyamide structure and polyester crystallization. Polymer, 2020, 202, 122676.	1.8	11
10	Modification of poly(lactic) acid by reactive extrusion and its melt blending with acrylonitrileâ€“butadieneâ€“styrene. Polymer International, 2020, 69, 794-803.	1.6	6
11	Melt-processing of cellulose nanofibril/polylactide bionanocomposites via a sustainable polyethylene glycol-based carrier system. Carbohydrate Polymers, 2019, 224, 115188.	5.1	20
12	The Effect of Titanium Dioxide Surface Modification on the Dispersion, Morphology, and Mechanical Properties of Recycled PP/PET/TiO2 PBNANOs. Polymers, 2019, 11, 1692.	2.0	10
13	Poly(lactic acid) and acrylonitrileâˆ’butadieneâˆ’styrene blends: Influence of adding ABSâˆ’gâˆ’MAH compatibilizer on the kinetics of the thermal degradation. Polymer Testing, 2018, 67, 468-476.	2.3	10
14	Effect of the viscosity ratio on the PLA/PA10.10 bioblends morphology and mechanical properties. EXPRESS Polymer Letters, 2018, 12, 569-582.	1.1	25
15	Multifunctional Enzymatically Generated Hydrogels for Chronic Wound Application. Biomacromolecules, 2017, 18, 1544-1555.	2.6	58
16	Thermal degradation of poly(lactic acid) and acrylonitrile-butadiene-styrene bioblends: Elucidation of reaction mechanisms. Thermochimica Acta, 2017, 654, 157-167.	1.2	14
17	PLA/SiO₂ composites: Influence of the filler modifications on the morphology, crystallization behavior, and mechanical properties. Journal of Applied Polymer Science, 2017, 134, 45367.	1.3	43
18	Microwaveâ€crosslinked bioâ€based starch/clay aerogels. Polymer International, 2016, 65, 899-904.	1.6	27

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19	Effect of microcellular foaming on the fracture behavior of ABS polymer. Journal of Applied Polymer Science, 2016, 133, .	1.3	15
20	Reactive extrusion: A useful process to manufacture structurally modified PLA/o-MMT composites. Composites Part A: Applied Science and Manufacturing, 2016, 88, 106-115.	3.8	22
21	The Influence of the Clay Particles on the Mechanical Properties and Fracture Behavior of PLA/oâ€MMT Composite Films. Advances in Polymer Technology, 2015, 34, .	0.8	11
22	Ductile-brittle transition behaviour of PLA/o-MMT films during the physical aging process. EXPRESS Polymer Letters, 2015, 9, 185-195.	1.1	17
23	Kinetics of the thermal degradation of poly(lactic acid) obtained by reactive extrusion: Influence of the addition of montmorillonite nanoparticles. Polymer Testing, 2015, 48, 69-81.	2.3	12
24	Using viscoelastic properties to quantitatively estimate the amount of modified poly(lactic acid) chains through reactive extrusion. Journal of Rheology, 2015, 59, 1191-1227.	1.3	26
25	Enhanced general analytical equation for the kinetics of the thermal degradation of poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2014, 101, 52-59.	2.7	22
26	Sheets of branched poly(lactic acid) obtained by one-step reactive extrusionâ€“calendering process: physical aging and fracture behavior. Journal of Materials Science, 2014, 49, 4093-4107.	1.7	30
27	Effect of the thermoforming process variables on the sheet friction coefficient. Materials & Design, 2014, 53, 1097-1103.	5.1	22
28	Effect of the Strain Rate and Drawing Temperature on the Mechanical Behavior of EVOH and EVOH Composites. Advances in Polymer Technology, 2013, 32, .	0.8	7
29	Effect of the unidirectional drawing on the thermal and mechanical properties of PLA films with different ‹scp›L‹/scp›â€isomer content. Journal of Applied Polymer Science, 2013, 127, 2661-2669.	1.3	31
30	Enhanced general analytical equation for the kinetics of the thermal degradation of poly(lactic acid) driven by random scission. Polymer Testing, 2013, 32, 937-945.	2.3	47
31	Sheets of branched poly(lactic acid) obtained by one step reactive extrusion calendering process: Melt rheology analysis. EXPRESS Polymer Letters, 2013, 7, 304-318.	1.1	66
32	Processing of poly(lactic acid)/organomontmorillonite nanocomposites: Microstructure, thermal stability and kinetics of the thermal decomposition. Chemical Engineering Journal, 2011, 178, 451-460.	6.6	69
33	Influence of crystallinity on the fracture toughness of poly(lactic acid)/montmorillonite nanocomposites prepared by twinâ€screw extrusion. Journal of Applied Polymer Science, 2011, 120, 896-905.	1.3	34
34	Fracture behavior of quenched poly(lactic acid). EXPRESS Polymer Letters, 2011, 5, 82-91.	1.1	47
35	Effect of the Recycling and Annealing on the Mechanical and Fracture Properties of Poly(Lactic Acid). Journal of Polymers and the Environment, 2010, 18, 654-660.	2.4	49
36	Essential work of fracture testing of PC-rich PET/PC blends with and without transesterification catalysts. Journal of Materials Science, 2010, 45, 2907-2915.	1.7	7

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37	Effects of composition and transesterification catalysts on the physico-chemical and dynamic properties of PC/PET blends rich in PC. Journal of Materials Science, 2010, 45, 6623-6633.	1.7	36
38	Processing of poly(lactic acid): Characterization of chemical structure, thermal stability and mechanical properties. Polymer Degradation and Stability, 2010, 95, 116-125.	2.7	547
39	Kinetics of the thermal decomposition of processed poly(lactic acid). Polymer Degradation and Stability, 2010, 95, 2508-2514.	2.7	66
40	Fracture behaviour of de-aged poly(lactic acid) assessed by essential work of fracture and J-Integral methods. Polymer Testing, 2010, 29, 984-990.	2.3	16
41	The effect of organoâ€modifier on the structure and properties of poly[ethyleneâ€“(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5C	1.6	11
42	Influence of processing on the ethylene-vinyl alcohol (EVOH) properties: Application of the successive self-nucleation and annealing (SSA) technique. EXPRESS Polymer Letters, 2010, 4, 153-160.	1.1	40
43	Fracture behaviour of poly[ethyleneâ€“(vinyl alcohol)]/organoâ€clay composites. Polymer International, 2009, 58, 648-655.	1.6	14
44	The Essential Work of Fracture (EWF) method â€“ Analyzing the Post-Yielding Fracture Mechanics of polymers. Engineering Failure Analysis, 2009, 16, 2604-2617.	1.8	116
45	Study of the adhesion strength on overmoulded plastic materials using the essential work of interfacial fracture (EWIF) concept. Journal of Materials Science, 2008, 43, 5052-5060.	1.7	14
46	Use of extensometers on essential work of fracture (EWF) tests. Polymer Testing, 2008, 27, 491-497.	2.3	22
47	Fracture behavior at low strain rate of dynamically and statically vulcanized polypropylene/styreneâ€“butadieneâ€“styrene block copolymer blends. Polymer Testing, 2008, 27, 881-885.	2.3	7
48	Evaluation of the fracture behavior of multilayered polypropylene sheets obtained by coextrusion. Polymer Engineering and Science, 2007, 47, 1365-1372.	1.5	6
49	Influence of processing on ethylene propylene block copolymers (II): Fracture behavior. Journal of Applied Polymer Science, 2006, 101, 2714-2724.	1.3	11
50	Poly(propylene)/PET/Undecyl Ammonium Montmorillonite Nanocomposites. Synthesis and Characterization. Macromolecular Symposia, 2005, 221, 63-74.	0.4	13
51	Impact characterization of a carbon fiber-epoxy laminate using a nonconservative model. Journal of Applied Polymer Science, 2005, 97, 2256-2263.	1.3	14
52	On the application of a damped model to the falling weight impact characterization of glass beads-polystyrene composites. Journal of Applied Polymer Science, 2004, 93, 1271-1284.	1.3	16
53	Influence of processing on ethylene-propylene block copolymers: Structure and mechanical behavior. Journal of Applied Polymer Science, 2004, 93, 2866-2878.	1.3	14
54	IndentaciÃ³n por impacto de baja energÃa: modelo completo. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 324-326.	0.9	1

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55	Essential Work of Fracture of Injection Moulded Samples of Pet and PET/PC Blends. European Structural Integrity Society, 2003, 32, 77-88.	0.1	0
56	Dynamic mechanical properties of polycarbonate and acrylonitrile-butadiene-styrene copolymer blends. Journal of Applied Polymer Science, 2002, 83, 1507-1516.	1.3	21
57	Glass bead filled polystyrene composites: morphology and fracture. Polymer Bulletin, 2002, 47, 587-594.	1.7	16
58	Influence of annealing on the microstructural, tensile and fracture properties of polypropylene films. Polymer, 2001, 42, 1697-1705.	1.8	136
59	Essential work of fracture on PET films: influence of the thickness and the orientation. Polymer Testing, 2000, 19, 559-568.	2.3	49
60	On the essential work of fracture method: Energy partitioning of the fracture process in iPP films. Polymer Bulletin, 1999, 42, 101-108.	1.7	57
61	Effect of the specimen dimensions and the test speed on the fracture toughness of iPP by the essential work of fracture (EWF) method. Journal of Applied Polymer Science, 1999, 73, 177-187.	1.3	39
62	Evaluation of the fractionated crystallization of dispersed polyolefins in a polystyrene matrix. Macromolecular Chemistry and Physics, 1998, 199, 2275-2288.	1.1	138
63	Low-rate fracture behaviour of magnesium hydroxide filled polypropylene block copolymer. Polymer Bulletin, 1998, 41, 615-622.	1.7	21
64	Polycarbonate/acrylonitrile-butadiene-styrene blends: miscibility and interfacial adhesion. Polymer Bulletin, 1998, 41, 721-728.	1.7	19
65	The essential work of fracture of a thermoplastic elastomer. Polymer Bulletin, 1997, 39, 249-255.	1.7	20
66	Plane strain essential work of fracture in SENB geometry at low and high strain rates of PC/ABS blends. Polymer Bulletin, 1997, 39, 511-518.	1.7	18
67	Homogeneous nucleation of the dispersed crystallisable component of immiscible polymer blends. Polymer Bulletin, 1994, 32, 471-477.	1.7	112
68	Fracture Behavior of Polypropylene /Elastomer Blends. Advanced Materials Research, 0, 47-50, 278-281.	0.3	2