

Tamã;s Tã;bi

List of Publications by Year in descending order

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37
papers

1,559
citations

331670

21
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

2018
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystalline structure of annealed polylactic acid and its relation to processing. EXPRESS Polymer Letters, 2010, 4, 659-668.	2.1	256
2	Comparison of injection moulded, natural fibre-reinforced composites with PP and PLA as matrices. Journal of Thermoplastic Composite Materials, 2012, 25, 927-948.	4.2	249
3	Effect of crystalline forms ($\hat{\pm}\hat{\epsilon}^2$ and $\hat{\pm}$) of poly(lactic acid) on its mechanical, thermo-mechanical, heat deflection temperature and creep properties. European Polymer Journal, 2016, 82, 232-243.	5.4	93
4	Flax fibre reinforced PLA/TPS biocomposites flame retarded with multifunctional additive system. Polymer Degradation and Stability, 2014, 106, 63-73.	5.8	90
5	Chopped basalt fibres: A new perspective in reinforcing poly(lactic acid) to produce injection moulded engineering composites from renewable and natural resources. EXPRESS Polymer Letters, 2013, 7, 107-119.	2.1	69
6	Compressive characteristics and low frequency damping of aluminium matrix syntactic foams. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 739, 140-148.	5.6	64
7	Improving the ductility and heat deflection temperature of injection molded Poly(lactic acid) products: A comprehensive review. Polymer Testing, 2021, 101, 107282.	4.8	58
8	Characterisation of natural fibre reinforced PLA foams prepared by supercritical CO ₂ assisted extrusion. EXPRESS Polymer Letters, 2016, 10, 771-779.	2.1	58
9	Improvement of Mechanical Properties of Injection-Molded Polylactic Acid-Kenaf Fiber Biocomposite. Journal of Thermoplastic Composite Materials, 2012, 25, 153-164.	4.2	54
10	Investigation of injection moulded poly(lactic acid) reinforced with long basalt fibres. Composites Part A: Applied Science and Manufacturing, 2014, 64, 99-106.	7.6	54
11	Comparison of thermal, mechanical and thermomechanical properties of poly(lactic acid) injection-molded into epoxy-based Rapid Prototyped (PolyJet) and conventional steel mold. Journal of Thermal Analysis and Calorimetry, 2016, 123, 349-361.	3.6	42
12	Thermal simulations and measurements for rapid tool inserts in injection molding applications. Applied Thermal Engineering, 2015, 85, 44-51.	6.0	41
13	Examination of injection moulded thermoplastic maize starch. EXPRESS Polymer Letters, 2007, 1, 804-809.	2.1	41
14	The effect of EVA content on the processing parameters and the mechanical properties of LDPE/ground tire rubber blends. Polymer Engineering and Science, 2008, 48, 868-874.	3.1	35
15	Enhanced Injection Molding Simulation of Advanced Injection Molds. Polymers, 2017, 9, 77.	4.5	33
16	Thermal and mechanical analysis of injection moulded poly(lactic acid) filled with poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	3.6	32
17	Development and characterisation of injection moulded, all-polypropylene composites. EXPRESS Polymer Letters, 2013, 7, 134-145.	2.1	31
18	Fatigue monitoring of flax fibre reinforced epoxy composites using integrated fibre-optical FBG sensors. Composites Science and Technology, 2020, 199, 108317.	7.8	31

#	ARTICLE	IF	CITATIONS
19	The application of the synergistic effect between the crystal structure of poly(lactic acid) (PLA) and the presence of ethylene vinyl acetate copolymer (EVA) to produce highly ductile PLA/EVA blends. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 1287-1297.	3.6	27
20	Examination of starch preprocess drying and water absorption of injection-molded starch-filled poly(lactic acid) products. <i>Polymer Engineering and Science</i> , 2011, 51, 843-850.	3.1	24
21	Effects of 1D and 2D nanofillers in basalt/poly(lactic acid) composites for additive manufacturing. <i>Composites Part B: Engineering</i> , 2018, 153, 364-375.	12.0	23
22	Creep behaviour of injection-moulded basalt fibre reinforced poly(lactic acid) composites. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 1600-1610.	3.1	20
23	Investigation of the thermoformability of various D-lactide content poly(lactic acid) films by ball burst test. <i>Polymer Engineering and Science</i> , 2020, 60, 1266-1277.	3.1	19
24	Study of the Aero-Acoustic and Aerodynamic Effects of Soft Coating upon Airfoil. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2006, 49, 648-656.	0.3	17
25	Cross Effect of Natural Rubber and Annealing on the Properties of Poly(Lactic Acid). <i>Periodica Polytechnica, Mechanical Engineering</i> , 2019, 63, 270-277.	1.4	14
26	Effect of D-lactide content of annealed poly(lactic acid) on its thermal, mechanical, heat deflection temperature, and creep properties. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47103.	2.6	14
27	Development of a novel color inhomogeneity test method for injection molded parts. <i>Polymer Testing</i> , 2014, 37, 112-116.	4.8	12
28	Using Factorial Design Methodology to Assess PLA-g-Ma and Henequen Microfibrillated Cellulose Content on the Mechanical Properties of Poly(lactic acid) Composites. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-14.	2.7	11
29	Comparison of the efficiency of the most effective heterogeneous nucleating agents for Poly(lactic acid) composites. <i>Journal of Applied Polymer Science</i> , 2017, 136, 47103.	3.6	11
30	The influence of nucleating agents, plasticizers, and molding conditions on the properties of injection molded PLA products. <i>Materials Today Communications</i> , 2022, 32, 103936.	1.9	8
31	Investigation of Long Cellulose Fibre Reinforced and Injection Moulded Poly(lactic acid) Biocomposites. <i>Acta Technica Jaurinensis</i> , 2018, 11, 150-164.	1.1	6
32	Poly(Lactic Acid)/Natural Rubber Blends. <i>Materials Science Forum</i> , 0, 885, 298-302.	0.3	5
33	Development of Poly(Lactic Acid) Filled with Basalt Fibres and Talc for Engineering Applications. <i>Materials Science Forum</i> , 0, 885, 303-308.	0.3	5
34	Investigation of Time-Dependent Behavior of Starch-Based, Injection Molded Biodegradable Polymer. <i>Materials Science Forum</i> , 2008, 589, 281-286.	0.3	4
35	The analysis of injection molding defects caused by gate vestiges. <i>EXPRESS Polymer Letters</i> , 2015, 9, 394-400.	2.1	3
36	Applicability of fiber Bragg grating sensors for cure monitoring in resin transfer molding processes. <i>Journal of Reinforced Plastics and Composites</i> , 2021, 40, 701-713.	3.1	3

#	ARTICLE	IF	CITATIONS
37	Development of Cellulose-Reinforced Poly(Lactic Acid) (PLA) for Engineering Applications. Materials Science Forum, 0, 812, 59-64.	0.3	2