

# Tamás Tóbi

## List of Publications by Year in descending order

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37  
papers

1,559  
citations

331538

21  
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377752

34  
g-index

37  
all docs

37  
docs citations

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times ranked

2018  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the efficiency of the most effective heterogeneous nucleating agents for Poly(lactic) TJ ETQq1 1 0.784314 rgBT /Overl	2.0	11
2	The influence of nucleating agents, plasticizers, and molding conditions on the properties of injection molded PLA products. Materials Today Communications, 2022, 32, 103936.	0.9	8
3	Applicability of fiber Bragg grating sensors for cure monitoring in resin transfer molding processes. Journal of Reinforced Plastics and Composites, 2021, 40, 701-713.	1.6	3
4	Improving the ductility and heat deflection temperature of injection molded Poly(lactic acid) products: A comprehensive review. Polymer Testing, 2021, 101, 107282.	2.3	58
5	Fatigue monitoring of flax fibre reinforced epoxy composites using integrated fibre-optical FBG sensors. Composites Science and Technology, 2020, 199, 108317.	3.8	31
6	Investigation of the thermoformability of various <sc>D</sc>â€Lactide content poly(lacticâ€acid) films by ball burst test. Polymer Engineering and Science, 2020, 60, 1266-1277.	1.5	19
7	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. Journal of Thermal Analysis and Calorimetry, 2019, 138, 1287-1297.	2.0	27
8	Cross Effect of Natural Rubber and Annealing on the Properties of Poly(Lactic Acid). Periodica Polytechnica, Mechanical Engineering, 2019, 63, 270-277.	0.8	14
9	Effect of Dâ€Lactide content of annealed poly(lactic acid) on its thermal, mechanical, heat deflection temperature, and creep properties. Journal of Applied Polymer Science, 2019, 136, 47103.	1.3	14
10	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.	2.6	64
11	Effects of 1D and 2D nanofillers in basalt/poly(lactic acid) composites for additive manufacturing. Composites Part B: Engineering, 2018, 153, 364-375.	5.9	23
12	Investigation of Long Cellulose Fibre Reinforced and Injection Moulded Poly(lactic acid) Biocomposites. Acta Technica Jaurinensis, 2018, 11, 150-164.	0.6	6
13	Enhanced Injection Molding Simulation of Advanced Injection Molds. Polymers, 2017, 9, 77.	2.0	33
14	Using Factorial Design Methodology to Assess PLA-g-Ma and Henequen Microfibrillated Cellulose Content on the Mechanical Properties of Poly(lactic acid) Composites. International Journal of Polymer Science, 2017, 2017, 1-14.	1.2	11
15	Effect of crystalline forms ( $\hat{1}\hat{2}$ and $\hat{1}\hat{3}$ ) of poly(lactic acid) on its mechanical, thermo-mechanical, heat deflection temperature and creep properties. European Polymer Journal, 2016, 82, 232-243.	2.6	93
16	Creep behaviour of injection-moulded basalt fibre reinforced poly(lactic acid) composites. Journal of Reinforced Plastics and Composites, 2016, 35, 1600-1610.	1.6	20
17	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.	2.0	42
18	Characterisation of natural fibre reinforced PLA foams prepared by supercritical CO2 assisted extrusion. EXPRESS Polymer Letters, 2016, 10, 771-779.	1.1	58

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19	The analysis of injection molding defects caused by gate vestiges. EXPRESS Polymer Letters, 2015, 9, 394-400.	1.1	3
20	Thermal simulations and measurements for rapid tool inserts in injection molding applications. Applied Thermal Engineering, 2015, 85, 44-51.	3.0	41
21	Investigation of injection moulded poly(lactic acid) reinforced with long basalt fibres. Composites Part A: Applied Science and Manufacturing, 2014, 64, 99-106.	3.8	54
22	Flax fibre reinforced PLA/TPS biocomposites flame retarded with multifunctional additive system. Polymer Degradation and Stability, 2014, 106, 63-73.	2.7	90
23	Thermal and mechanical analysis of injection moulded poly(lactic acid) filled with poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	32
24	Development of a novel color inhomogeneity test method for injection molded parts. Polymer Testing, 2014, 37, 112-116.	2.3	12
25	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.	1.1	69
26	Development and characterisation of injection moulded, all-polypropylene composites. EXPRESS Polymer Letters, 2013, 7, 134-145.	1.1	31
27	Comparison of injection moulded, natural fibre-reinforced composites with PP and PLA as matrices. Journal of Thermoplastic Composite Materials, 2012, 25, 927-948.	2.6	249
28	Improvement of Mechanical Properties of Injection-Molded Polylactic Acidâ€“Kenaf Fiber Biocomposite. Journal of Thermoplastic Composite Materials, 2012, 25, 153-164.	2.6	54
29	Examination of starch preprocess drying and water absorption of injectionâ€“molded starchâ€“filled poly(lactic acid) products. Polymer Engineering and Science, 2011, 51, 843-850.	1.5	24
30	Crystalline structure of annealed polylactic acid and its relation to processing. EXPRESS Polymer Letters, 2010, 4, 659-668.	1.1	256
31	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.	1.5	35
32	Investigation of Time-Dependent Behavior of Starch-Based, Injection Molded Biodegradable Polymer. Materials Science Forum, 2008, 589, 281-286.	0.3	4
33	Examination of injection moulded thermoplastic maize starch. EXPRESS Polymer Letters, 2007, 1, 804-809.	1.1	41
34	Study of the Aero-Acoustic and Aerodynamic Effects of Soft Coating upon Airfoil. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2006, 49, 648-656.	0.3	17
35	Development of Cellulose-Reinforced Poly(Lactic Acid) (PLA) for Engineering Applications. Materials Science Forum, 0, 812, 59-64.	0.3	2
36	Poly(Lactic Acid)/Natural Rubber Blends. Materials Science Forum, 0, 885, 298-302.	0.3	5

#	ARTICLE	IF	CITATIONS
37	Development of Poly(Lactic Acid) Filled with Basalt Fibres and Talc for Engineering Applications. Materials Science Forum, 0, 885, 303-308.	0.3	5