

Marek Szostak

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

577
citations

687363
13
h-index

677142
22
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41
all docs

41
docs citations

41
times ranked

490
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of hybrid poly(lactic acid)/flax composites by the insert overmolding process: Evaluation of mechanical performance and thermomechanical properties. Journal of Applied Polymer Science, 2021, 138, 49646.	2.6	10
2	Spray-formed polyurea composites filled with basalt powder as inorganic waste filler. Plastics, Rubber and Composites, 2021, 50, 276-284.	2.0	7
3	The accelerated aging impact on polyurea spray-coated composites filled with basalt fibers, basalt powder, and halloysite nanoclay. Composites Part B: Engineering, 2021, 225, 109286.	12.0	9
4	Rotational molding of biocomposites with addition of buckwheat husk filler. Structure-property correlation assessment for materials based on polyethylene (PE) and poly(lactic acid) PLA. Composites Part B: Engineering, 2020, 202, 108410.	12.0	33
5	The effect of two-step surface treatment by hydrogen peroxide and silanization of flax/cotton fabrics on epoxy-based laminates thermomechanical properties and structure. Journal of Materials Research and Technology, 2020, 9, 13813-13824.	5.8	26
6	The Influence of the Hybridization Process on the Mechanical and Thermal Properties of Polyoxymethylene (POM) Composites with the Use of a Novel Sustainable Reinforcing System Based on Biocarbon and Basalt Fiber (BC/BF). Materials, 2020, 13, 3496.	2.9	14
7	Rotational Molding of Linear Low-Density Polyethylene Composites Filled with Wheat Bran. Polymers, 2020, 12, 1004.	4.5	44
8	Poly(lactic acid)/Lignocellulosic residue composites compatibilized through a starch coating. Polymer Composites, 2020, 41, 3250-3259.	4.6	15
9	Thermo-mechanical and mechanical behavior of hybrid isotactic polypropylene glass fiber reinforced composites (<scp>GFR</scp>) modified with calcium carbonate (<scp>CaCO₃</scp>). Polymer Engineering and Science, 2020, 60, 1588-1603.	3.1	11
10	Milled basalt fibers as reinforcement for polyurea composite spray coatings with improved thermomechanical stability and mechanical performance. Polimery, 2020, 65, 184-195.	0.7	8
11	Mechanical and Thermal Properties of Rotational Molded PE/Flax and PE/Hemp Composites. Lecture Notes in Mechanical Engineering, 2019, , 495-506.	0.4	11
12	Preparation and Characterization of the Injection Molded Polymer Composites Based on Natural/Synthetic Fiber Reinforcement. Lecture Notes in Mechanical Engineering, 2019, , 473-484.	0.4	1
13	Mechanical Properties and Structure of Reactive Rotationally Molded Polyurethane - Basalt Powder Composites. Lecture Notes in Mechanical Engineering, 2019, , 601-609.	0.4	1
14	Injection Molding of Highly Filled Polypropylene-based Biocomposites. Buckwheat Husk and Wood Flour Filler: A Comparison of Agricultural and Wood Industry Waste Utilization. Polymers, 2019, 11, 1881.	4.5	32
15	Cork-wood hybrid filler system for polypropylene and poly(lactic acid) based injection molded composites. Structure evaluation and mechanical performance. Composites Part B: Engineering, 2019, 163, 655-668.	12.0	55
16	Influence of Fill Imbalance on Pressure Drop in Injection Molding. Lecture Notes in Mechanical Engineering, 2019, , 548-556.	0.4	2
17	The structure of isotactic polypropylene in composites filled with lignocellulosic material. Journal of Natural Fibers, 2019, 16, 471-483.	3.1	10
18	Development and characterization of poly(ethylene terephthalate) based injection molded self-reinforced composites. Direct reinforcement by overmolding the composite inserts. Materials and Design, 2018, 153, 273-286.	7.0	41

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19	Polyethylene green composites modified with post agricultural waste filler: thermo-mechanical and damping properties. Composite Interfaces, 2018, 25, 287-299.	2.3	32
20	Effect of wood flour addition and modification of its surface on the properties of rotationally molded polypropylene composites. Polimery, 2018, 63, 772-784.	0.7	21
21	The use of photogrammetry in improving quality of workpieces after an injection molding process. Polimery, 2018, 63, 134-144.	0.7	4
22	MuCell and InduMold technologies in production of high quality automotive parts from polymer materials. Polimery, 2018, 63, 145-152.	0.7	10
23	Influence of process parameters and runner geometry on shear heating effect. , 2018, , 36-38.	0.1	1
24	Influence of coolant type and flow parameters on efficiency of injection mold cooling. Polimery, 2018, 63, 224-233.	0.7	0
25	Melt fracture and rheology of linear low density polyethylene - calcium carbonate composites. Polymer Engineering and Science, 2017, 57, 998-1004.	3.1	25
26	Influence of scale deposition on maintenance of injection molds. Eksploatacja I Niezawodnosc, 2017, 20, 39-45.	2.0	1
27	Polypropylene composites obtained from self-reinforced hybrid fiber system. Journal of Applied Polymer Science, 2016, 133, .	2.6	23
28	The influence of processing conditions on the mechanical properties and structure of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1194-1209.	4.2	12
29	Recycling of lignocellulosics filled polypropylene composites. I. Analysis of thermal properties, morphology, and amount of free radicals. Journal of Applied Polymer Science, 2015, 132, .	2.6	2
30	Development and Characterization of the Injection-Molded Polymer Composites Made from Bicomponent Fibers. Polymer-Plastics Technology and Engineering, 2015, 54, 33-46.	1.9	7
31	Characterization of poly(ethylene 2,6-naphthalate)/polycarbonate blends by DSC, NMR off-resonance and DMTA methods. European Polymer Journal, 2015, 64, 62-69.	5.4	9
32	Fabrication of the self-reinforced composites using co-extrusion technique. Journal of Applied Polymer Science, 2014, 131, .	2.6	13
33	Two-dimensional EPR imaging with the rapid scan and rotated magnetic field gradient. Journal of Magnetic Resonance, 2014, 248, 126-130.	2.1	10
34	Two-dimensional spectral-spatial EPR imaging with the rapid scan and modulated magnetic field gradient. Journal of Magnetic Resonance, 2014, 243, 1-7.	2.1	12
35	Research on External and Internal Induction Heating Effectiveness of Injection Molds by Means of Thermovision Measurements. , 2014, , .		1
36	Mechanical properties of polypropylene copolymers composites filled with rapeseed straw. Polimery, 2014, 59, 165-169.	0.7	13

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37	Polypropylene (PP) Composites Reinforced with Stinging Nettle (<i>Urtica dioica</i> L.) Fiber. Journal of Natural Fibers, 2013, 10, 147-158.	3.1	20
38	The magnet system for rapid scan electron paramagnetic resonance imaging and spectroscopy. Concepts in Magnetic Resonance Part B, 2013, 43B, 22-31.	0.7	3
39	Molecular dynamics of poly(ethylene 2,6-naphthalate)-polycarbonate composite by nuclear magnetic resonance. Applied Magnetic Resonance, 2005, 29, 221-229.	1.2	5
40	Mechanical and Thermal Properties of PET/PBT Blends. Molecular Crystals and Liquid Crystals, 2004, 416, 209-215.	0.9	23