Tomasz SterzyÅ„ski

List of Publications by Year
in descending order

69 papers	1,082 citations	430874 18 h-index	454955 30 g-index
70 all docs	70 docs citations	70 times ranked	981 citing authors

#	Article	IF	Citations
1	Experimental and numerical investigation of metal-polymer riveted joints. Materials Research Express, 2022, 9, 015303.	1.6	0
2	Thermal Stability of Nanosilica-Modified Poly(vinyl chloride). Polymers, 2021, 13, 2057.	4.5	12
3	Review of Recent Developments of Glass Transition in PVC Nanocomposites. Polymers, 2021, 13, 4336.	4.5	29
4	The Friction of Structurally Modified Isotactic Polypropylene. Materials, 2021, 14, 7462.	2.9	4
5	Poly(l-Lactic Acid)/Pine Wood Bio-Based Composites. Materials, 2020, 13, 3776.	2.9	12
6	Effect of MWCNTs on Wear Behavior of Epoxy Resin for Aircraft Applications. Materials, 2020, 13, 2696.	2.9	27
7	Deformation Mechanism in Mechanically Coupled Polymerâ€“Metal Hybrid Joints. Materials, 2020, 13, 2512.	2.9	14
8	The effect of the heat treatment on the crosslinking of epoxy resin for aviation applications. Polimery, 2020, 65, 776-783.	0.7	3
9	Visualization of particles arrangement during filling stage of polyamide 6 â€“ metal insert injection molding. Polymer Engineering and Science, 2019, 59, E271.	3.1	8
10	Frictional Properties of Î±-Nucleated Polypropylene-Based Composites Filled with Wood Flour. Lecture Notes in Mechanical Engineering, 2019, , 461-472.	0.4	1
11	Effect of Polyhedral Oligomeric Silsesquioxanes Nanoparticles on Thermal and Mechanical Properties of Poly(vinyl chloride) Composite Materials. Journal of Vinyl and Additive Technology, 2019, 25, E48.	3.4	9
12	Visualization and flow velocity determination of molten polymers. Polimery, 2019, 64, 569-576.	0.7	2
13	Influence of the conductive network creation on electrical, rheological, and mechanical properties of composites based on <scp>LDPE</scp> and <scp>EVA</scp> matrices. Advances in Polymer Technology, 2018, 37, 3542-3551.	1.7	13
14	Effect of Polyhedral Oligomeric Silsesquioxane on the Melting, Structure, and Mechanical Behavior of Polyoxymethylene. Polymers, 2018, 10, 203.	4.5	20
15	Multilayer hybrid polypropylene composite with single and wood-polymer composites. Polimery, 2018, 63, 755-761.	0.7	1
16	Influence of Water on Tribological Properties of Wood-Polymer Composites. Archives of Mechanical Technology and Materials, 2017, 37, 79-84.	0.3	12
17	Electrical conductivity and mechanical properties of carbon black modified polyolefinic blends influenced by phase inversion. Journal of Applied Polymer Science, 2017, 134, 45512.	2.6	9
18	Physicochemical Characterization of Functional Ligninâ€“Silica Hybrid Fillers for Potential Application in Abrasive Tools. Materials, 2016, 9, 517.	2.9	44

#	Article	IF	Citations
19	Polypropyleneâ€based composites containing sorbitolâ€based nucleating agent and siloxaneâ€silsesquioxane resin. Journal of Applied Polymer Science, 2016, 133, .	2.6	17
20	Isotactic polypropylene modified with sorbitol-based derivative and siloxane-silsesquioxane resin. European Polymer Journal, 2016, 85, 62-71.	5.4	28
21	Calorimetric Investigations of Oriented Polypropylene Tapes and Selfâ€Reinforced Composites. Macromolecular Symposia, 2016, 365, 151-156.	0.7	1
22	Polyhedral oligomeric silsesquioxanes as modifiers of polyoxymethylene structure. AIP Conference Proceedings, 2015, , .	0.4	4
23	Morphology and thermomechanical properties of epoxy composites highly filled with waste bulk molding compounds (BMC). Journal of Polymer Engineering, 2015, 35, 805-811.	1.4	12
24	Evaluation of glass transition temperature of PVC/POSS nanocomposites. Composites Science and Technology, 2015, 117, 398-403.	7.8	36
25	Synthesis and Influence of Sodium Benzoate Silsesquioxane Based Nucleating Agent on Thermal and Mechanical Properties of Isotactic Polypropylene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 907-913.	2.2	11
26	Thermal Stability and Flammability of Polypropylene-Silsesquioxane Nanocomposites. International Journal of Polymer Analysis and Characterization, 2014, 19, 500-509.	1.9	19
27	Influence of different fillers on phenolic resin abrasive composites. Comparison of inverse gas chromatographic and dynamic mechanicalâ€“thermal analysis characteristics. International Journal of Adhesion and Adhesives, 2014, 51, 81-86.	2.9	20
28	Influence of a sorbitolâ€based nucleating agent modified with silsesquioxanes on the nonâ€isothermal crystallization of isotactic polypropylene. Journal of Applied Polymer Science, 2014, 131, .	2.6	10
29	Influence of aluminosilsesquioxane on epoxy resin curing process (Rapid Communication). Polimery, 2014, 59, 855-858.	0.7	2
30	A new method of curing epoxy resin by using bis(heptaphenylaluminosilsesquioxane) as a hardener. Polimery, 2013, 58, 270-275.	0.7	5
31	Processing properties of thermoplastic polymers modified by polyhedral oligomeric silsesquioxanes (POSS). Polimery, 2013, 58, 805-815.	0.7	17
32	Influence of the cooling rate on the non-isothermal crystallization of isotactic polypropylene modified with sorbitol derivative and silsesquioxane. Polimery, 2013, 58, 920-923.	0.7	9
33	Dynamic pressure analysis as a tool for determination of sharkskin instability by extrusion of molten polymers. Journal of Polymer Engineering, 2012, 32, 335-341.	1.4	4
34	Thermal diffusivity of polyolefin composites highly filled with calcium carbonate. Polimery, 2012, 57, 271-275.	0.7	8
35	Polyamide 6 modified with silsesquioxane prepared via anionic polymerization of e-caprolactam. Polimery, 2012, 57, 697-704.	0.7	2
36	Microwave Enhanced Foaming of Carbon Black Filled Polypropylene. Frontiers in Forests and Global Change, 2011, 30, 201-214.	1.1	8

#	Article	IF	Citations
37	Thermal and structural effects of poly(vinyl chloride)/(wood flour) compound gelation in the Brabender mixer. Journal of Vinyl and Additive Technology, 2011, 17, 239-244.	3.4	11
38	The influence of temperature of poly(vinyl chloride) melt on the equilibrium state of gelation process. Polimery, 2010, 55, 106-110.	0.7	7
39	Rheological studies of highly-filled polyolefinic composites taking into consideration p-v-T characteristics. Polimery, 2010, 55, 379-389.	0.7	13
40	Estimation of adhesive friction of the molten polymer by flow through a capillary rheometer. Polimery, 2009, 54, 296-298.	0.7	2
41	The properties of polyolefins modified with PET powder. Journal of Applied Polymer Science, 2008, 109, 1993-1999.	2.6	2
42	The influence of the chamber temperature in the Brabender measuring mixer on the state of equilibrium of the torque of rigid poly(vinyl chloride). Polimery, 2008, 53, 678-680.	0.7	4
43	Rigid poly(vinyl chloride) (PVC) gelation in the brabender measuring mixer. II. Description of PVC gelation in the torque inflection point. Journal of Applied Polymer Science, 2007, 103, 3688-3693.	2.6	8
44	Rigid poly(vinyl chloride) gelation in a Brabender measuring mixer. III. Transformation in the torque maximum. Journal of Applied Polymer Science, 2007, 106, 3158-3164.	2.6	12
45	Nanocomposites of poly(vinyl chloride) with carbon nanotubes (CNT). Composites Science and Technology, 2007, 67, 890-894.	7.8	102
46	Polypropylene monopolymer composites - preparation, structures and properties. Polimery, 2007, 52, 443-452.	0.7	6
47	Evaluations of corrections in rheometric measurements of polyethylene. Part I. Slippage at channel wall. Polimery, 2007, 52, 583-590.	0.7	4
48	Evaluation of correction factors in rheological investigations of polyethylene. Part II. Power low index, Rabinowitsch correction. Polimery, 2007, 52, 855-862.	0.7	7
49	Highly filled polyethylene/barium metaplumbate composites for lead acid bipolar battery application. Polimery, 2006, 51, 150-153.	0.7	1
50	Rheological and structural assessments of polymer blends in phase inversion conditions. Polimery, 2005, 50, 358-364.	0.7	1
51	Bagley correction evaluation on the basis of measurements in extrusion line. Polimery, 2005, 50, 455-462.	0.7	3
52	Structure modification of isotactic polypropylene by bi-component nucleating systems. Polymer Engineering and Science, 2004, 44, 352-361.	3.1	39
53	Structural characterization of ?- and ?-nucleated isotactic polypropylene. Polymer International, 2004, 53, 2086-2091.	3.1	81
54	Rigid poly(vinyl chloride) (PVC) gelation in the brabender measuring mixer. I. Equilibrium state between sliding, breaking, and gelation of PVC. Journal of Applied Polymer Science, 2004, 93, 966-971.	2.6	27

#	Article	IF	Citations
55	Assessment of a flow of a polymer, filled with lamellar filler as a marker, in an injection mold. Polimery, 2004, 49, 442-448.	0.7	5
56	The universal temperature parameter of rigid PVC gelation in Brabender kneader. Polimery, 2004, 49, 646-648.	0.7	5
57	Study of nucleation induced structure modification in isotactic polypropylene by DMTA and solid state NMR. Macromolecular Symposia, 2003, 202, 281-290.	0.7	5
58	The lamellar distribution in isotactic polypropylene modified by nucleation and processing. Macromolecular Symposia, 2002, 180, 241-256.	0.7	25
59	Thermal diffusivity of rigid polyurethane foams blown with different hydrocarbons. Polymer Testing, 2000, 19, 705-712.	4.8	24
60	Processing and property improvement in isotactic polypropylene by heterogeneous nucleation. Polimery, 2000, 45, 786-791.	0.7	12
61	Thermal diffusivity of polyurethane foams measured by the modified Ã¥ngstrÃ¶m method. Polymer Engineering and Science, 1999, 39, 1689-1695.	3.1	11
62	Instabilities of the single-screw extrusion process. Polimery, 1999, 44, 558-560.	0.7	2
63	Establishing polymers crystallization temperature by the self nudeation test. Polimery, 1999, 44, 784-786.	0.7	4
64	Dielectric and Mechanical Relaxation in the Blends of a Polymer Liquid Crystal with Polycarbonate. Macromolecules, 1996, 29, 5017-5025.	4.8	35
65	Rheological properties and morphology of binary blends of a longitudinal polymer liquid crystal with engineering polymers. Polymer, 1996, 37, 1561-1574.	3.8	82
66	Blends of a longitudinal polymer liquid crystal with polycarbonate: relation of the phase diagram to mechanical properties. Polymer, 1996, 37, 1551-1560.	3.8	40
67	Structure of polypropylene/polycarbonate blends crystallized under pressure. Polymer, 1995, 36, 1309-1313.	3.8	13
68	Structure and properties of nucleated random and block copolymers of propylene. Advances in Polymer Technology, 1994, 13, 25-36.	1.7	46
69	Thermal diffusivity in polymers oriented uniaxially in the solid and in the molten state. Polymer Engineering and Science, 1987, 27, 906-912.	3.1	9