Tomasz SterzyÅ„ski

List of Publications by Year
in descending order

69	1,082	489802 18	511568 30
papers	citations	h-index	g-index

70	70	70	1071
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanocomposites of poly(vinyl chloride) with carbon nanotubes (CNT). Composites Science and Technology, 2007, 67, 890-894.	3.8	102
2	Rheological properties and morphology of binary blends of a longitudinal polymer liquid crystal with engineering polymers. Polymer, 1996, 37, 1561-1574.	1.8	82
3	Structural characterization of ?- and ?-nucleated isotactic polypropylene. Polymer International, 2004, 53, 2086-2091.	1.6	81
4	Structure and properties of nucleated random and block copolymers of propylene. Advances in Polymer Technology, 1994, 13, 25-36.	0.8	46
5	Physicochemical Characterization of Functional Ligninâ€“Silica Hybrid Fillers for Potential Application in Abrasive Tools. Materials, 2016, 9, 517.	1.3	44
6	Blends of a longitudinal polymer liquid crystal with polycarbonate: relation of the phase diagram to mechanical properties. Polymer, 1996, 37, 1551-1560.	1.8	40
7	Structure modification of isotactic polypropylene by bi-component nucleating systems. Polymer Engineering and Science, 2004, 44, 352-361.	1.5	39
8	Evaluation of glass transition temperature of PVC/POSS nanocomposites. Composites Science and Technology, 2015, 117, 398-403.	3.8	36
9	Dielectric and Mechanical Relaxation in the Blends of a Polymer Liquid Crystal with Polycarbonate. Macromolecules, 1996, 29, 5017-5025.	2.2	35
10	Review of Recent Developments of Glass Transition in PVC Nanocomposites. Polymers, 2021, 13, 4336.	2.0	29
11	Isotactic polypropylene modified with sorbitol-based derivative and siloxane-silsesquioxane resin. European Polymer Journal, 2016, 85, 62-71.	2.6	28
12	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.	1.3	27
13	Effect of MWCNTs on Wear Behavior of Epoxy Resin for Aircraft Applications. Materials, 2020, 13, 2696.	1.3	27
14	The lamellar distribution in isotactic polypropylene modified by nucleation and processing. Macromolecular Symposia, 2002, 180, 241-256.	0.4	25
15	Thermal diffusivity of rigid polyurethane foams blown with different hydrocarbons. Polymer Testing, 2000, 19, 705-712.	2.3	24
16	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.	1.4	20
17	Effect of Polyhedral Oligomeric Silsesquioxane on the Melting, Structure, and Mechanical Behavior of Polyoxymethylene. Polymers, 2018, 10, 203.	2.0	20
18	Thermal Stability and Flammability of Polypropylene-Silsesquioxane Nanocomposites. International Journal of Polymer Analysis and Characterization, 2014, 19, 500-509.	0.9	19

#	Article	IF	Citations
19	Polypropyleneâ€based composites containing sorbitolâ€based nucleating agent and siloxaneâ€silsesquioxane resin. Journal of Applied Polymer Science, 2016, 133, .	1.3	17
20	Processing properties of thermoplastic polymers modified by polyhedral oligomeric silsesquioxanes (POSS). Polimery, 2013, 58, 805-815.	0.4	17
21	Deformation Mechanism in Mechanically Coupled Polymerâ€“Metal Hybrid Joints. Materials, 2020, 13, 2512.	1.3	14
22	Structure of polypropylene/polycarbonate blends crystallized under pressure. Polymer, 1995, 36, 1309-1313.	1.8	13
23	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.	0.8	13
24	Rheological studies of highly-filled polyolefinic composites taking into consideration p-v-T characteristics. Polimery, 2010, 55, 379-389.	0.4	13
25	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.	1.3	12
26	Morphology and thermomechanical properties of epoxy composites highly filled with waste bulk molding compounds (BMC). Journal of Polymer Engineering, 2015, 35, 805-811.	0.6	12
27	Influence of Water on Tribological Properties of Wood-Polymer Composites. Archives of Mechanical Technology and Materials, 2017, 37, 79-84.	0.3	12
28	Poly(l-Lactic Acid)/Pine Wood Bio-Based Composites. Materials, 2020, 13, 3776.	1.3	12
29	Thermal Stability of Nanosilica-Modified Poly(vinyl chloride). Polymers, 2021, 13, 2057.	2.0	12
30	Processing and property improvement in isotactic polypropylene by heterogeneous nucleation. Polimery, 2000, 45, 786-791.	0.4	12
31	Thermal diffusivity of polyurethane foams measured by the modified Ã¥ngstrÃ¶m method. Polymer Engineering and Science, 1999, 39, 1689-1695.	1.5	11
32	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.	1.8	11
33	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.	1.2	11
34	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, .	1.3	10
35	Thermal diffusivity in polymers oriented uniaxially in the solid and in the molten state. Polymer Engineering and Science, 1987, 27, 906-912.	1.5	9
36	Electrical conductivity and mechanical properties of carbon black modified polyolefinic blends influenced by phase inversion. Journal of Applied Polymer Science, 2017, 134, 45512.	1.3	9

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37	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.	1.8	9
38	Influence of the cooling rate on the non-isothermal crystallization of isotactic polypropylene modified with sorbitol derivative and silsesquioxane. Polimery, 2013, 58, 920-923.	0.4	9
39	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.	1.3	8
40	Microwave Enhanced Foaming of Carbon Black Filled Polypropylene. Frontiers in Forests and Global Change, 2011, 30, 201-214.	0.6	8
41	Visualization of particles arrangement during filling stage of polyamide 6 â€“ metal insert injection molding. Polymer Engineering and Science, 2019, 59, E271.	1.5	8
42	Thermal diffusivity of polyolefin composites highly filled with calcium carbonate. Polimery, 2012, 57, 271-275.	0.4	8
43	Evaluation of correction factors in rheological investigations of polyethylene. Part II. Power low index, Rabinowitsch correction. Polimery, 2007, 52, 855-862.	0.4	7
44	The influence of temperature of poly(vinyl chloride) melt on the equilibrium state of gelation process. Polimery, 2010, 55, 106-110.	0.4	7
45	Polypropylene monopolymer composites - preparation, structures and properties. Polimery, 2007, 52, 443-452.	0.4	6
46	Study of nucleation induced structure modification in isotactic polypropylene by DMTA and solid state NMR. Macromolecular Symposia, 2003, 202, 281-290.	0.4	5
47	Assessment of a flow of a polymer, filled with lamellar filler as a marker, in an injection mold. Polimery, 2004, 49, 442-448.	0.4	5
48	The universal temperature parameter of rigid PVC gelation in Brabender kneader. Polimery, 2004, 49, 646-648.	0.4	5
49	A new method of curing epoxy resin by using bis(heptaphenylaluminosilsesquioxane) as a hardener. Polimery, 2013, 58, 270-275.	0.4	5
50	Dynamic pressure analysis as a tool for determination of sharkskin instability by extrusion of molten polymers. Journal of Polymer Engineering, 2012, 32, 335-341.	0.6	4
51	Polyhedral oligomeric silsesquioxanes as modifiers of polyoxymethylene structure. AIP Conference Proceedings, 2015, , .	0.3	4
52	Establishing polymers crystallization temperature by the self nudeation test. Polimery, 1999, 44, 784-786.	0.4	4
53	Evaluations of corrections in rheometric measurements of polyethylene. Part I. Slippage at channel wall. Polimery, 2007, 52, 583-590.	0.4	4
54	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.	0.4	4

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55	The Friction of Structurally Modified Isotactic Polypropylene. Materials, 2021, 14, 7462.	1.3	4
56	Bagley correction evaluation on the basis of measurements in extrusion line. Polimery, 2005, 50, 455-462.	0.4	3
57	The effect of the heat treatment on the crosslinking of epoxy resin for aviation applications. Polimery, 2020, 65, 776-783.	0.4	3
58	The properties of polyolefins modified with PET powder. Journal of Applied Polymer Science, 2008, 109, 1993-1999.	1.3	2
59	Instabilities of the single-screw extrusion process. Polimery, 1999, 44, 558-560.	0.4	2
60	Estimation of adhesive friction of the molten polymer by flow through a capillary rheometer. Polimery, 2009, 54, 296-298.	0.4	2
61	Polyamide 6 modified with silsesquioxane prepared via anionic polymerization of e-caprolactam. Polimery, 2012, 57, 697-704.	0.4	2
62	Influence of aluminosilsesquioxane on epoxy resin curing process (Rapid Communication). Polimery, 2014, 59, 855-858.	0.4	2
63	Visualization and flow velocity determination of molten polymers. Polimery, 2019, 64, 569-576.	0.4	2
64	Calorimetric Investigations of Oriented Polypropylene Tapes and Selfâ€Reinforced Composites. Macromolecular Symposia, 2016, 365, 151-156.	0.4	1
65	Frictional Properties of Î±-Nucleated Polypropylene-Based Composites Filled with Wood Flour. Lecture Notes in Mechanical Engineering, 2019, , 461-472.	0.3	1
66	Rheological and structural assessments of polymer blends in phase inversion conditions. Polimery, 2005, 50, 358-364.	0.4	1
67	Highly filled polyethylene/barium metaplumbate composites for lead acid bipolar battery application. Polimery, 2006, 51, 150-153.	0.4	1
68	Multilayer hybrid polypropylene composite with single and wood-polymer composites. Polimery, 2018, 63, 755-761.	0.4	1
69	Experimental and numerical investigation of metal-polymer riveted joints. Materials Research Express, 2022, 9, 015303.	0.8	0