

Tomasz Sterzyński

List of Publications by Year in descending order

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69
papers

1,082
citations

489802

18
h-index

511568

30
g-index

70
all docs

70
docs citations

70
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and numerical investigation of metal-polymer riveted joints. <i>Materials Research Express</i> , 2022, 9, 015303.	0.8	0
2	Thermal Stability of Nanosilica-Modified Poly(vinyl chloride). <i>Polymers</i> , 2021, 13, 2057.	2.0	12
3	Review of Recent Developments of Glass Transition in PVC Nanocomposites. <i>Polymers</i> , 2021, 13, 4336.	2.0	29
4	The Friction of Structurally Modified Isotactic Polypropylene. <i>Materials</i> , 2021, 14, 7462.	1.3	4
5	Poly(L-Lactic Acid)/Pine Wood Bio-Based Composites. <i>Materials</i> , 2020, 13, 3776.	1.3	12
6	Effect of MWCNTs on Wear Behavior of Epoxy Resin for Aircraft Applications. <i>Materials</i> , 2020, 13, 2696.	1.3	27
7	Deformation Mechanism in Mechanically Coupled Polymer-Metal Hybrid Joints. <i>Materials</i> , 2020, 13, 2512.	1.3	14
8	The effect of the heat treatment on the crosslinking of epoxy resin for aviation applications. <i>Polimery</i> , 2020, 65, 776-783.	0.4	3
9	Visualization of particles arrangement during filling stage of polyamide 6 metal insert injection molding. <i>Polymer Engineering and Science</i> , 2019, 59, E271.	1.5	8
10	Frictional Properties of $\hat{\pm}$ -Nucleated Polypropylene-Based Composites Filled with Wood Flour. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 461-472.	0.3	1
11	Effect of Polyhedral Oligomeric Silsesquioxanes Nanoparticles on Thermal and Mechanical Properties of Poly(vinyl chloride) Composite Materials. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, E48.	1.8	9
12	Visualizaton and flow velocity determination of molten polymers. <i>Polimery</i> , 2019, 64, 569-576.	0.4	2
13	Influence of the conductive network creation on electrical, rheological, and mechanical properties of composites based on LDPE and EVA matrices. <i>Advances in Polymer Technology</i> , 2018, 37, 3542-3551.	0.8	13
14	Effect of Polyhedral Oligomeric Silsesquioxane on the Melting, Structure, and Mechanical Behavior of Polyoxymethylene. <i>Polymers</i> , 2018, 10, 203.	2.0	20
15	Multilayer hybrid polypropylene composite with single and wood-polymer composites. <i>Polimery</i> , 2018, 63, 755-761.	0.4	1
16	Influence of Water on Tribological Properties of Wood-Polymer Composites. <i>Archives of Mechanical Technology and Materials</i> , 2017, 37, 79-84.	0.3	12
17	Electrical conductivity and mechanical properties of carbon black modified polyolefinic blends influenced by phase inversion. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45512.	1.3	9
18	Physicochemical Characterization of Functional Lignin-Silica Hybrid Fillers for Potential Application in Abrasive Tools. <i>Materials</i> , 2016, 9, 517.	1.3	44

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19	Polypropylene-based composites containing sorbitol-based nucleating agent and siloxane-silsesquioxane resin. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	17
20	Isotactic polypropylene modified with sorbitol-based derivative and siloxane-silsesquioxane resin. <i>European Polymer Journal</i> , 2016, 85, 62-71.	2.6	28
21	Calorimetric Investigations of Oriented Polypropylene Tapes and Self-Reinforced Composites. <i>Macromolecular Symposia</i> , 2016, 365, 151-156.	0.4	1
22	Polyhedral oligomeric silsesquioxanes as modifiers of polyoxymethylene structure. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	4
23	Morphology and thermomechanical properties of epoxy composites highly filled with waste bulk molding compounds (BMC). <i>Journal of Polymer Engineering</i> , 2015, 35, 805-811.	0.6	12
24	Evaluation of glass transition temperature of PVC/POSS nanocomposites. <i>Composites Science and Technology</i> , 2015, 117, 398-403.	3.8	36
25	Synthesis and Influence of Sodium Benzoate Silsesquioxane Based Nucleating Agent on Thermal and Mechanical Properties of Isotactic Polypropylene. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 907-913.	1.2	11
26	Thermal Stability and Flammability of Polypropylene-Silsesquioxane Nanocomposites. <i>International Journal of Polymer Analysis and Characterization</i> , 2014, 19, 500-509.	0.9	19
27	Influence of different fillers on phenolic resin abrasive composites. Comparison of inverse gas chromatographic and dynamic mechanical-thermal analysis characteristics. <i>International Journal of Adhesion and Adhesives</i> , 2014, 51, 81-86.	1.4	20
28	Influence of a sorbitol-based nucleating agent modified with silsesquioxanes on the non-isothermal crystallization of isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	10
29	Influence of aluminosilsesquioxane on epoxy resin curing process (Rapid Communication). <i>Polimery</i> , 2014, 59, 855-858.	0.4	2
30	A new method of curing epoxy resin by using bis(heptaphenylaluminosilsesquioxane) as a hardener. <i>Polimery</i> , 2013, 58, 270-275.	0.4	5
31	Processing properties of thermoplastic polymers modified by polyhedral oligomeric silsesquioxanes (POSS). <i>Polimery</i> , 2013, 58, 805-815.	0.4	17
32	Influence of the cooling rate on the non-isothermal crystallization of isotactic polypropylene modified with sorbitol derivative and silsesquioxane. <i>Polimery</i> , 2013, 58, 920-923.	0.4	9
33	Dynamic pressure analysis as a tool for determination of sharkskin instability by extrusion of molten polymers. <i>Journal of Polymer Engineering</i> , 2012, 32, 335-341.	0.6	4
34	Thermal diffusivity of polyolefin composites highly filled with calcium carbonate. <i>Polimery</i> , 2012, 57, 271-275.	0.4	8
35	Polyamide 6 modified with silsesquioxane prepared via anionic polymerization of <i>ε</i> -caprolactam. <i>Polimery</i> , 2012, 57, 697-704.	0.4	2
36	Microwave Enhanced Foaming of Carbon Black Filled Polypropylene. <i>Frontiers in Forests and Global Change</i> , 2011, 30, 201-214.	0.6	8

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37	Thermal and structural effects of poly(vinyl chloride)/(wood flour) compound gelation in the Brabender mixer. <i>Journal of Vinyl and Additive Technology</i> , 2011, 17, 239-244.	1.8	11
38	The influence of temperature of poly(vinyl chloride) melt on the equilibrium state of gelation process. <i>Polimery</i> , 2010, 55, 106-110.	0.4	7
39	Rheological studies of highly-filled polyolefinic composites taking into consideration p-v-T characteristics. <i>Polimery</i> , 2010, 55, 379-389.	0.4	13
40	Estimation of adhesive friction of the molten polymer by flow through a capillary rheometer. <i>Polimery</i> , 2009, 54, 296-298.	0.4	2
41	The properties of polyolefins modified with PET powder. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1993-1999.	1.3	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). <i>Polimery</i> , 2008, 53, 678-680.	0.4	4
43	Rigid poly(vinyl chloride) (PVC) gelation in the brabender measuring mixer. II. Description of PVC gelation in the torque inflection point. <i>Journal of Applied Polymer Science</i> , 2007, 103, 3688-3693.	1.3	8
44	Rigid poly(vinyl chloride) gelation in a Brabender measuring mixer. III. Transformation in the torque maximum. <i>Journal of Applied Polymer Science</i> , 2007, 106, 3158-3164.	1.3	12
45	Nanocomposites of poly(vinyl chloride) with carbon nanotubes (CNT). <i>Composites Science and Technology</i> , 2007, 67, 890-894.	3.8	102
46	Polypropylene monopolymer composites - preparation, structures and properties. <i>Polimery</i> , 2007, 52, 443-452.	0.4	6
47	Evaluations of corrections in rheometric measurements of polyethylene. Part I. Slippage at channel wall. <i>Polimery</i> , 2007, 52, 583-590.	0.4	4
48	Evaluation of correction factors in rheological investigations of polyethylene. Part II. Power law index, Rabinowitsch correction. <i>Polimery</i> , 2007, 52, 855-862.	0.4	7
49	Highly filled polyethylene/barium metaplumbate composites for lead acid bipolar battery application. <i>Polimery</i> , 2006, 51, 150-153.	0.4	1
50	Rheological and structural assessments of polymer blends in phase inversion conditions. <i>Polimery</i> , 2005, 50, 358-364.	0.4	1
51	Bagley correction evaluation on the basis of measurements in extrusion line. <i>Polimery</i> , 2005, 50, 455-462.	0.4	3
52	Structure modification of isotactic polypropylene by bi-component nucleating systems. <i>Polymer Engineering and Science</i> , 2004, 44, 352-361.	1.5	39
53	Structural characterization of β - and γ -nucleated isotactic polypropylene. <i>Polymer International</i> , 2004, 53, 2086-2091.	1.6	81
54	Rigid poly(vinyl chloride) (PVC) gelation in the brabender measuring mixer. I. Equilibrium state between sliding, breaking, and gelation of PVC. <i>Journal of Applied Polymer Science</i> , 2004, 93, 966-971.	1.3	27

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55	Assessment of a flow of a polymer, filled with lamellar filler as a marker, in an injection mold. Polimery, 2004, 49, 442-448.	0.4	5
56	The universal temperature parameter of rigid PVC gelation in Brabender kneader. Polimery, 2004, 49, 646-648.	0.4	5
57	Study of nucleation induced structure modification in isotactic polypropylene by DMTA and solid state NMR. Macromolecular Symposia, 2003, 202, 281-290.	0.4	5
58	The lamellar distribution in isotactic polypropylene modified by nucleation and processing. Macromolecular Symposia, 2002, 180, 241-256.	0.4	25
59	Thermal diffusivity of rigid polyurethane foams blown with different hydrocarbons. Polymer Testing, 2000, 19, 705-712.	2.3	24
60	Processing and property improvement in isotactic polypropylene by heterogeneous nucleation. Polimery, 2000, 45, 786-791.	0.4	12
61	Thermal diffusivity of polyurethane foams measured by the modified Ångström method. Polymer Engineering and Science, 1999, 39, 1689-1695.	1.5	11
62	Instabilities of the single-screw extrusion process. Polimery, 1999, 44, 558-560.	0.4	2
63	Establishing polymers crystallization temperature by the self nucleation test. Polimery, 1999, 44, 784-786.	0.4	4
64	Dielectric and Mechanical Relaxation in the Blends of a Polymer Liquid Crystal with Polycarbonate. Macromolecules, 1996, 29, 5017-5025.	2.2	35
65	Rheological properties and morphology of binary blends of a longitudinal polymer liquid crystal with engineering polymers. Polymer, 1996, 37, 1561-1574.	1.8	82
66	Blends of a longitudinal polymer liquid crystal with polycarbonate: relation of the phase diagram to mechanical properties. Polymer, 1996, 37, 1551-1560.	1.8	40
67	Structure of polypropylene/polycarbonate blends crystallized under pressure. Polymer, 1995, 36, 1309-1313.	1.8	13
68	Structure and properties of nucleated random and block copolymers of propylene. Advances in Polymer Technology, 1994, 13, 25-36.	0.8	46
69	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