

Krzysztof Strzelec

List of Publications by Year in descending order

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89
papers

1,559
citations

304602

22
h-index

395590

33
g-index

89
all docs

89
docs citations

89
times ranked

1247
citing authors

#	ARTICLE	IF	CITATIONS
1	Rigid polyurethane foams reinforced with industrial potato protein. <i>Polymer Testing</i> , 2018, 68, 135-145.	2.3	84
2	Rigid polyurethane foams reinforced with solid waste generated in leather industry. <i>Polymer Testing</i> , 2018, 69, 225-237.	2.3	65
3	Keratin feathers as a filler for rigid polyurethane foams on the basis of soybean oil polyol. <i>Polymer Testing</i> , 2018, 72, 32-45.	2.3	61
4	Linseed oil as a natural modifier of rigid polyurethane foams. <i>Industrial Crops and Products</i> , 2018, 115, 40-51.	2.5	60
5	Natural Rubber Composites Filled with Crop Residues as an Alternative to Vulcanizates with Common Fillers. <i>Polymers</i> , 2019, 11, 972.	2.0	60
6	Melamine, silica, and ionic liquid as a novel flame retardant for rigid polyurethane foams with enhanced flame retardancy and mechanical properties. <i>Polymer Testing</i> , 2020, 87, 106511.	2.3	55
7	Bio-Based Polyurethane Composite Foams with Improved Mechanical, Thermal, and Antibacterial Properties. <i>Materials</i> , 2020, 13, 1108.	1.3	50
8	Natural rubber biocomposites containing corn, barley and wheat straw. <i>Polymer Testing</i> , 2017, 63, 84-91.	2.3	45
9	Composites of rigid polyurethane foams and silica powder filler enhanced with ionic liquid. <i>Polymer Testing</i> , 2019, 75, 12-25.	2.3	45
10	Hydrosilylation of phenylacetylene catalyzed by metal complex catalysts supported on polyamides containing a pyridine moiety. <i>Journal of Molecular Catalysis A</i> , 2000, 156, 91-102.	4.8	43
11	Composites of Rigid Polyurethane Foams Reinforced with POSS. <i>Polymers</i> , 2019, 11, 336.	2.0	36
12	Effects of Chemically Treated Eucalyptus Fibers on Mechanical, Thermal and Insulating Properties of Polyurethane Composite Foams. <i>Materials</i> , 2020, 13, 1781.	1.3	36
13	Selective addition of hydrosilanes to 1,3-dienes catalyzed by polyamide-supported metal complex catalysts. <i>Journal of Organometallic Chemistry</i> , 1995, 496, 19-26.	0.8	33
14	Soluble polysiloxane-supported palladium catalysts for the Mizoroki-Heck reaction. <i>Journal of Molecular Catalysis A</i> , 2010, 319, 30-38.	4.8	32
15	Natural Rubber Composites Filled with Cereals Straw Modified with Acetic and Maleic Anhydride: Preparation and Properties. <i>Journal of Polymers and the Environment</i> , 2018, 26, 4141-4157.	2.4	29
16	Properties of Chemically Modified (Selected Silanes) Lignocellulosic Filler and Its Application in Natural Rubber Biocomposites. <i>Materials</i> , 2020, 13, 4163.	1.3	28
17	The potential application of cereal straw as a bio-filler for elastomer composites. <i>Polymer Bulletin</i> , 2020, 77, 2021-2038.	1.7	27
18	Rhodium(I) complex catalysts immobilized on polyamides having a pyridine moiety. <i>Journal of Molecular Catalysis A</i> , 2001, 177, 89-104.	4.8	26

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19	Synthesis and characterization of novel polythiourethane hardeners for epoxy resins. <i>Comptes Rendus Chimie</i> , 2012, 15, 1065-1071.	0.2	26
20	POSS Compounds as Modifiers for Rigid Polyurethane Foams (Composites). <i>Polymers</i> , 2019, 11, 1092.	2.0	25
21	Preparation of New Hole Transport Polymers via Copolymerization of N,N'-Diphenyl-N,N'-bis(4-alkylphenyl)benzidine (TPD) Derivatives with 1,4-Divinylbenzene. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 739-747.	1.1	24
22	New polythiourethane hardeners for epoxy resins. <i>Polymer International</i> , 2005, 54, 1337-1344.	1.6	24
23	Influence of Lignocellulose Fillers on Properties Natural Rubber Composites. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2489-2501.	2.4	24
24	The use of rye, oat and triticale straw as fillers of natural rubber composites. <i>Polymer Bulletin</i> , 2018, 75, 4607-4626.	1.7	22
25	Silanized cereal straw as a novel, functional filler of natural rubber biocomposites. <i>Cellulose</i> , 2019, 26, 1025-1040.	2.4	21
26	New Flame Retardant Systems Based on Expanded Graphite for Rigid Polyurethane Foams. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5817.	1.3	21
27	Studies on the properties of epoxy resins cured with polythiourethanes. <i>International Journal of Adhesion and Adhesives</i> , 2007, 27, 92-101.	1.4	20
28	Improvement of mechanical properties and electrical conductivity of polythiourethane-modified epoxy coatings filled with aluminium powder. <i>Progress in Organic Coatings</i> , 2008, 63, 133-138.	1.9	20
29	Polythiourethane microcapsules as novel self-healing systems for epoxy coatings. <i>Polymer Bulletin</i> , 2018, 75, 149-165.	1.7	19
30	Thermoplastic Elastomer Biocomposites Filled with Cereal Straw Fibers Obtained with Different Processing Methods—Preparation and Properties. <i>Polymers</i> , 2019, 11, 641.	2.0	18
31	Horsetail (<i>Equisetum Arvense</i>) as a Functional Filler for Natural Rubber Biocomposites. <i>Materials</i> , 2020, 13, 2526.	1.3	18
32	Influence of wheat, rye, and triticale straw on the properties of natural rubber composites. <i>Advances in Polymer Technology</i> , 2018, 37, 2866-2878.	0.8	17
33	Modified Nanoclays/Straw Fillers as Functional Additives of Natural Rubber Biocomposites. <i>Polymers</i> , 2021, 13, 799.	2.0	17
34	Potential Application of Peppermint (<i>Mentha piperita</i> L.), German Chamomile (<i>Matricaria chamomilla</i> L.) and Yarrow (<i>Achillea millefolium</i> L.) as Active Fillers in Natural Rubber Biocomposites. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7530.	1.8	16
35	Moisture-mechanical performance improvement of thermal insulating polyurethane using paper production waste particles grafted with different coupling agents. <i>Construction and Building Materials</i> , 2019, 208, 525-534.	3.2	15
36	POSS as promoters of self-healing process in silicone composites. <i>Polymer Bulletin</i> , 2019, 76, 3387-3402.	1.7	15

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37	Vermiculite Filler Modified with Casein, Chitosan, and Potato Protein as a Flame Retardant for Polyurethane Foams. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10825.	1.8	15
38	Selectivity of polyamide-supported rhodium catalysts in the addition of hydrosilanes to vinyl compounds. <i>Reactive & Functional Polymers</i> , 1994, 23, 85-93.	0.8	14
39	Effect of antioxidants on aging of the chloroprene rubber/butadiene rubber (CR/BR) blends. <i>International Journal of Polymer Analysis and Characterization</i> , 2019, 24, 475-486.	0.9	14
40	Biobased Polyurethane Composite Foams Reinforced with Plum Stones and Silanized Plum Stones. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4757.	1.8	14
41	Synthesis and physicochemical characterization of polymeric supports and polymer-supported rhodium catalysts based on polyamides having a pyridine moiety. <i>Reactive and Functional Polymers</i> , 2000, 44, 189-199.	2.0	13
42	Synthesis of charge transporting polymer containing TPD units using Friedel-Crafts reaction. <i>Synthetic Metals</i> , 2002, 126, 165-171.	2.1	13
43	Influence of peroxide modifications on the properties of cereal straw and natural rubber composites. <i>Cellulose</i> , 2018, 25, 4711-4728.	2.4	13
44	Epoxy resins cured with ionic liquids as novel supports for metal complex catalysts. <i>Comptes Rendus Chimie</i> , 2013, 16, 752-760.	0.2	12
45	Polysiloxane microspheres functionalized with imidazole groups as a palladium catalyst support. <i>Applied Organometallic Chemistry</i> , 2016, 30, 399-407.	1.7	12
46	The role of iron(III) oxide in chloroprene and butadiene rubber blends's cross-linking, structure, thermal and mechanical characteristics. <i>Iranian Polymer Journal (English Edition)</i> , 2019, 28, 313-323.	1.3	12
47	Curing and properties of chloroprene and butadiene rubber (CR/BR) blends cross-linked with copper(I) oxide or copper(II) oxide. <i>International Journal of Polymer Analysis and Characterization</i> , 2019, 24, 18-31.	0.9	12
48	Effects of Physical and Chemical Modification of Sunflower Cake on Polyurethane Composite Foam Properties. <i>Materials</i> , 2021, 14, 1414.	1.3	12
49	Common Nettle (<i>Urtica dioica</i> L.) as an Active Filler of Natural Rubber Biocomposites. <i>Materials</i> , 2021, 14, 1616.	1.3	12
50	Straw/Nano-Additive Hybrids as Functional Fillers for Natural Rubber Biocomposites. <i>Materials</i> , 2021, 14, 321.	1.3	12
51	Bio-Based Rigid Polyurethane Foam Composites Reinforced with Bleached Curauã Fiber. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11203.	1.8	12
52	Effect of Accelerated Curing Conditions on Shear Strength and Glass Transition Temperature of Epoxy Adhesives. <i>Procedia Engineering</i> , 2017, 193, 423-430.	1.2	11
53	The effect of metal oxide on the cure, morphology, thermal and mechanical characteristics of chloroprene and butadiene rubber blends. <i>Polymer Bulletin</i> , 2020, 77, 4131-4146.	1.7	11
54	Anti-Oxidative Activity of Alcohol-Water Extracts from Field Horsetail (<i>Equisteum arvense</i>) in Elastomer Vulcanizates Subjected to Accelerated Aging Processes. <i>Materials</i> , 2020, 13, 4903.	1.3	11

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55	Synthesis and characterization of new 4-tolyldiphenylamine derivatives for hole transporting polymers. <i>Polymer International</i> , 2001, 50, 1228-1233.	1.6	10
56	Synthesis, characterization and X-ray structures of the model ligand for a coordination polymer: diethyl-2,6-pyridine dicarboxamide and its complex with PdCl ₂ . <i>Inorganica Chimica Acta</i> , 2001, 319, 229-234.	1.2	10
57	Chlorine-Functional Silsesquioxanes (POSS-Cl) as Effective Flame Retardants and Reinforcing Additives for Rigid Polyurethane Foams. <i>Molecules</i> , 2021, 26, 3979.	1.7	10
58	Thermally induced self-healing epoxy/glass laminates with porous layers containing crystallized healing agent. <i>EXPRESS Polymer Letters</i> , 2018, 12, 640-648.	1.1	9
59	Thiirane resins cured with polythiourethane hardeners as novel supports for metal complex catalysts. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	8
60	Cereal straw and their physical modifications with hydrophilic and hydrophobic silica – The influence of functional hybrid material on natural rubber biocomposites. <i>European Polymer Journal</i> , 2019, 112, 176-185.	2.6	8
61	Flame retardant and durable chloroprene rubber and styrene-butadiene rubber blends crosslinked with copper(I) oxide. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 149-165.	1.3	8
62	Soluble Alkylthiopolysiloxane-Supported Palladium Catalysts for the Heck Reaction. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 184, 1586-1598.	0.8	7
63	Hybrid Straw/Perlite Reinforced Natural Rubber Biocomposites. <i>Journal of Bionic Engineering</i> , 2019, 16, 1127-1142.	2.7	7
64	Oxidative Coupling Copolymerization of 4-Methyltriphenylamine with Arenes. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 2488-2494.	1.1	6
65	Curing Behaviors, Mechanical and Dynamic Properties of Composites Containing Chloroprene and Butadiene Rubbers Crosslinked with Nano-Iron(III) Oxide. <i>Polymers</i> , 2021, 13, 853.	2.0	6
66	Reinforced, Extruded, Isotropic Magnetic Elastomer Composites: Fabrication and Properties. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-11.	0.8	5
67	Study on the Effect of Zinc on the Rheological, Mechanical and Thermal Properties and Fire Hazard of Unfilled and Filled CR/BR Vulcanizates. <i>Polymers</i> , 2020, 12, 2904.	2.0	5
68	Antioxidant and Anti-Aging Activity of Freeze-Dried Alcohol-Water Extracts from Common Nettle (<i>Urtica dioica</i> L.) and Peppermint (<i>Mentha piperita</i> L.) in Elastomer Vulcanizates. <i>Polymers</i> , 2022, 14, 1460.	2.0	5
69	Effect of polythiourethane hardener modification on the behaviour of epoxy resin. <i>Journal of Polymer Research</i> , 2009, 16, 401-409.	1.2	4
70	Magnetic recycling of complex catalysts immobilized on thiol-functionalized polymer supports. <i>Polish Journal of Chemical Technology</i> , 2013, 15, 65-68.	0.3	4
71	New palladium catalyst immobilized on epoxy resin: synthesis, characterization and catalytic activity. <i>Applied Organometallic Chemistry</i> , 2016, 30, 4-11.	1.7	4
72	Magnetic (ethylene-octene) elastomer composites obtained by extrusion. <i>Polymer Engineering and Science</i> , 2017, 57, 520-527.	1.5	4

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73	Thermoplastic Elastomeric Composites Filled with Lignocellulose Bioadditives. Part 1: Morphology, Processing, Thermal and Rheological Properties. <i>Materials</i> , 2020, 13, 1598.	1.3	4
74	The Use of Copper Oxides as Cross-Linking Substances for Chloroprene Rubber and Study of the Vulcanizates Properties. Part I. <i>Materials</i> , 2021, 14, 5535.	1.3	4
75	Rhodium(I) complex catalyst immobilized on terpolymers of N-vinylpyrrolidinone and 1-vinylimidazole. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3538-3546.	1.3	3
76	Natural Rubber Biocomposites Filled with Phyto-Ashes Rich in Biogenic Silica Obtained from Wheat Straw and Field Horsetail. <i>Polymers</i> , 2021, 13, 1177.	2.0	3
77	New elastomeric blend with increased resistance to flame. <i>Polimery</i> , 2019, 64, 43-49.	0.4	3
78	The Use of Copper Oxides as Cross-Linking Substances for Chloroprene Rubber and Study of the Vulcanizates Properties. Part II. The Effect of Filler Type on the Properties of CR Products. <i>Materials</i> , 2021, 14, 6528.	1.3	3
79	Cross-Link Density, Mechanical and Thermal Properties of Chloroprene Rubber Cross-Linked with Silver(I) Oxide. <i>Materials</i> , 2022, 15, 2006.	1.3	3
80	CHEMICAL DOPING OF TRIPHENYLAMINE-BENZALDEHYDE POLYMERS. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2004, 53, 799-807.	1.8	2
81	Hydrogenation of cinnamaldehyde over supported palladium catalysts. <i>Polish Journal of Chemical Technology</i> , 2013, 15, 28-32.	0.3	2
82	Platinum complex catalysts immobilized on epoxy resins cured with polythiourethane hardeners. <i>Open Chemistry</i> , 2015, 13, .	1.0	2
83	Palladium complex catalyst immobilized on epoxy support under supercritical conditions. <i>Comptes Rendus Chimie</i> , 2014, 17, 1080-1087.	0.2	2
84	Modifications of siloxane polymers. <i>Polimery</i> , 2007, 52, 496-502.	0.4	2
85	Novel biocompatible transversal pneumatic artificial muscles made of PDMS/PET satin composite. <i>Polish Journal of Chemical Technology</i> , 2016, 18, 89-96.	0.3	1
86	Recyclable complex catalysts immobilized on mercaptan-functionalized glass-polymer supports. <i>Polymer Bulletin</i> , 2018, 75, 5421-5436.	1.7	1
87	Thermoplastic Elastomeric Composites Filled with Lignocellulose Bioadditives, Part 2: Flammability, Thermo-Oxidative Aging Resistance, Mechanical and Barrier Properties. <i>Materials</i> , 2020, 13, 1608.	1.3	1
88	Properties of Natural Rubber Biocomposites Filled with Alkaline Modified Oat Straw. <i>Journal of Renewable Materials</i> , 2018, 6, 746-754.	1.1	1
89	Terpolymers of N-vinylpyrrolidinone and 1-vinylimidazole as new supports for palladium nanocluster catalysts. <i>E-Polymers</i> , 2011, 11, .	1.3	0