Marian Zaborski

List of Publications by Year
in descending order

137	2,387	201575 27	276775 41
papers	citations	h-index	g-index

147	147	147	2504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Curing kinetics and ionic interactions in layered double hydroxidesâ€“nitrile rubber Mgâ€“Al-LDHsâ€“XNBR composites. Polymer Bulletin, 2021, 78, 3199-3226.	1.7	7
2	Use of carbon black as a reinforcing nano-filler in conductivity-reversible elastomer composites. Polymer Testing, 2020, 81, 106222.	2.3	27
3	Impact of organic-inorganic color additive on the properties of ethylene-norbornene copolymer. Polymer Testing, 2020, 82, 106290.	2.3	10
4	Characterization of Ethyleneâ€“propylene Composites Filled with Perlite and Vermiculite Minerals: Mechanical, Barrier, and Flammability Properties. Materials, 2020, 13, 585.	1.3	19
5	Universal approach of cellulose fibres chemical modification result analysis via commonly used techniques. Polymer Bulletin, 2019, 76, 2147-2162.	1.7	18
6	Characteristics of juglone (5-hydroxy-1,4,-naphthoquinone) using voltammetry and spectrophotometric methods. Food Chemistry, 2019, 301, 125279.	4.2	16
7	Characteristics of Hybrid Pigments Made from Alizarin Dye on a Mixed Oxide Host. Materials, 2019, 12, 360.	1.3	18
8	Characterization and Structureâ€“Property Relationships of Organicâ€“Inorganic Hybrid Composites Based on Aluminumâ€“Magnesium Hydroxycarbonate and Azo Chromophore. Molecules, 2019, 24, 880.	1.7	17
9	Insight into the formation mechanism of azo dye-based hybrid colorant: Physico-chemical properties and potential applications. Dyes and Pigments, 2019, 167, 236-244.	2.0	15
10	Carminic Acid Stabilized with Aluminum-Magnesium Hydroxycarbonate as New Colorant Reducing Flammability of Polymer Composites. Molecules, 2019, 24, 560.	1.7	10
11	Aluminum-Magnesium Hydroxycarbonate/Azo Dye Hybrids as Novel Multifunctional Colorants for Elastomer Composites. Polymers, 2019, 11, 43.	2.0	12
12	Characterization and properties of new color-tunable hybrid pigments based on layered double hydroxides (LDH) and 1,2-dihydroxyanthraquinone dye. Journal of Industrial and Engineering Chemistry, 2019, 70, 427-438.	2.9	29
13	POSS as promoters of self-healing process in silicone composites. Polymer Bulletin, 2019, 76, 3387-3402.	1.7	15
14	New organic-inorganic hybrids as multifunctional additives to improve ethylene-norbornene (EN) composite stability. Polymer Degradation and Stability, 2019, 160, 110-119.	2.7	8
15	Effect of different carbon fillers on the properties of nitrile rubber composites. Composite Interfaces, 2019, 26, 729-750.	1.3	24
16	Effect of in situ silanization of multiwalled carbon nanotubes on the properties of NBR/MWCNT-OH composites. Polymer-Plastics Technology and Materials, 2019, 58, 1327-1341.	0.6	7
17	Effect of carbon nanofibers on mechanical and electrical behaviors of acrylonitrileâ€butadiene rubber composites. Polymers for Advanced Technologies, 2018, 29, 1661-1669.	1.6	18
18	The potential of quercetin as an effective natural antioxidant and indicator for packaging materials. Food Packaging and Shelf Life, 2018, 16, 51-58.	3.3	46

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19	Ionic liquids as coagents for sulfur vulcanization of butadieneâ€“styrene elastomer filled with carbon black. Polymer Bulletin, 2018, 75, 4499-4514.	1.7	29
20	Polymer-based sensors: A review. Polymer Testing, 2018, 67, 342-348.	2.3	137
21	Conformational Transitions of Silk Fibroin in Solutions under the Action of Ultrasound. Russian Journal of Applied Chemistry, 2018, 91, 1193-1197.	0.1	8
22	Experimental investigation on activity of cumene hydroperoxide and selected ionic liquids in butadiene rubber vulcanization. Advances in Polymer Technology, 2018, 37, 3432-3437.	0.8	3
23	A Comparative Study of Solutions of Silk Fibroin in 1-Butyl-3-methylimidazolium Chloride and Acetate. Russian Journal of Applied Chemistry, 2018, 91, 647-652.	0.1	4
24	Rubbers Reinforced by POSS. Springer Series on Polymer and Composite Materials, 2018, , 299-336.	0.5	0
25	Thermal analysis and mechanical methods applied to studying properties of SBR compounds containing ionic liquids. Polymer Testing, 2017, 61, 349-363.	2.3	21
26	Effects of solar irradiation on the properties of ethylene-norbornene composites containing solvent dyes. Polymer Testing, 2017, 62, 392-401.	2.3	4
27	Influence of hydroxyl substitution on flavanone antioxidants properties. Food Chemistry, 2017, 215, 501-507.	4.2	42
28	Effect of Zinc Oxide Modified Silica Particles on the Molecular Dynamics of Carboxylated Acrylonitrile-Butadiene Rubber Composites. Polymers, 2017, 9, 645.	2.0	14
29	Antioxidant and Antiradical Properties of Green Tea Extract Compounds. International Journal of Electrochemical Science, 2017, 12, 6600-6610.	0.5	38
30	Antioxidant properties of rose extract (Rosa villosa L.) measured using electrochemical and UV/Vis spectrophotometric methods. International Journal of Electrochemical Science, 2017, 12, 10994-11005.	0.5	9
31	Elastomer composites with proecological additives Kompozyty elastomerowe z dodatkami proekologicznymi. Przemysl Chemiczny, 2017, 1, 167-172.	0.0	2
32	Antioxidant Potential of Hydroxycinnamic Acids in Advanced Oxidation Processes. International Journal of Electrochemical Science, 2016, 11, 8848-8860.	0.5	7
33	The properties of ethyleneâ€“propylene elastomers obtained with the use of a new cross-linking substance. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1105-1113.	2.0	4
34	Physico-mechanical and thermal properties of epoxidized natural rubber/polylactide (ENR/PLA) composites reinforced with lignocellulose. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1467-1476.	2.0	17
35	Novel dyed ethylene-norbornene composites with enhanced aging resistance. Polymer Degradation and Stability, 2016, 123, 137-145.	2.7	4
36	The properties of elastomers obtained with the use of carboxylated acrylonitrile-butadiene rubber and new crosslinking substances. Polimery, 2016, 61, 31-38.	0.4	4

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37	Effect of ionic liquids on the selected properties of magnetic composites filled with micro-sized iron oxide (Fe3O4). Polimery, 2016, 61, 117-124.	0.4	3
38	Surface modification of methylvinylsilicone rubber vulcanizates with polyhedral oligomeric silsesquioxanes functionalized using chloride groups (POSS-Cl). Polimery, 2016, 61, 272-278.	0.4	1
39	Ionic Liquids Applied to Improve the Dispersion of Solids in Elastomers. , 2015, , .		2
40	Effect of thermooxidative and photooxidative ageing processes on mechanical properties of magnetorheological elastomer composites. Polimery, 2015, 60, 264-271.	0.4	5
41	Elastomer composites containing ionic liquids. Polimery, 2015, 60, 501-507.	0.4	1
42	Ionic elastomers based on carboxylated nitrile rubber (XNBR) and magnesium aluminum layered double hydroxide (hydrotalcite). EXPRESS Polymer Letters, 2014, 8, 374-386.	1.1	64
43	Effect of ionic liquids on the dispersion of zinc oxide and silica nanoparticles, vulcanisation behaviour and properties of NBR composites. EXPRESS Polymer Letters, 2014, 8, 932-940.	1.1	26
44	Investigations of Nitrile Rubber Composites Containing Imidazolium Ionic Liquids. Macromolecular Symposia, 2014, 341, 18-25.	0.4	11
45	Properties of Carboxylated Nitrile Rubber/Hydrotalcite Composites Containing Imidazolium Ionic Liquids. Macromolecular Symposia, 2014, 341, 7-17.	0.4	17
46	Improving the Ionic Conductivity of Carboxylated Nitrile Rubber/LDH Composites by Adding Imidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids. Macromolecular Symposia, 2014, 342, 35-45.	0.4	5
47	Reinforcement of carboxylated acrylonitrile-butadiene rubber (XNBR) with graphene nanoplatelets with varying surface area. Journal of Polymer Engineering, 2014, 34, 883-893.	0.6	16
48	Optimization of the heavy metal (Biâ€“Wâ€“Gdâ€“Sb) concentrations in the elastomeric shields for computer tomography (CT). Journal of Radioanalytical and Nuclear Chemistry, 2014, 300, 385-391.	0.7	14
49	Electrooxidation of morin hydrate at a Pt electrode studied by cyclic voltammetry. Food Chemistry, 2014, 148, 18-23.	4.2	70
50	Characteristics of compounds in hops using cyclic voltammetry, UVâ€“VIS, FTIR and GCâ€“MS analysis. Food Chemistry, 2014, 156, 353-361.	4.2	74
51	Controlled degradation of biocomposites ENR/PCL containing natural antioxidants. Comptes Rendus Chimie, 2014, 17, 1128-1135.	0.2	7
52	Study on Weather Aging of Nitrile Rubber Composites Containing Imidazolium Ionic Liquids. Macromolecular Symposia, 2014, 342, 25-34.	0.4	11
53	ENR/PCL Polymer biocomposites from renewable resources. Comptes Rendus Chimie, 2014, 17, 944-951.	0.2	16
54	Dodecyl gallate as a pro-ecological antioxidant for food packing materials. Comptes Rendus Chimie, 2014, 17, 1116-1127.	0.2	12

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55	The impact of imidazolium ionic liquids on the properties of nitrile rubber composites. European Polymer Journal, 2014, 53, 139-146.	2.6	32
56	Effects of unmodified layered double hydroxides MgAl-LDHs with various structures on the properties of filled carboxylated acrylonitrileâ€“butadiene rubber XNBR. European Polymer Journal, 2014, 60, 172-185.	2.6	26
57	Modified and Unmodified Zinc Oxide as Coagent in Elastomer Compounds. Polish Journal of Chemical Technology, 2014, 16, 63-68.	0.3	5
58	Magnetorheological materials based on ethylene-octene elastomer. Polimery, 2014, 59, 825-833.	0.4	3
59	Generation of the additional fluorescence radiation in the elastomeric shields used in computer tomography (CT). Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 1913-1921.	0.7	7
60	Thermal properties of 1-alkyl-3-methylpyridinium halide-based ionic liquids. Thermochimica Acta, 2013, 568, 185-188.	1.2	28
61	Nanosized Mineral Oxides Modified with Unsaturated Acids as Coagents for Peroxide Vulcanization. Soft Materials, 2013, 11, 22-31.	0.8	4
62	Characteristics of curcumin using cyclic voltammetry, UVâ€“vis, fluorescence and thermogravimetric analysis. Electrochimica Acta, 2013, 107, 441-447.	2.6	82
63	Morin hydrate as pro-ecological antioxidant and pigment for polyolefin polymers. Comptes Rendus Chimie, 2013, 16, 990-996.	0.2	13
64	Novel Ionic Liquids as Accelerators for the Sulfur Vulcanization of Butadieneâ€“Styrene Elastomer Composites. Industrial & Engineering Chemistry Research, 2013, 52, 8410-8415.	1.8	30
65	Effect of imidazolium ionic liquid type on the properties of nitrile rubber composites. Polymer International, 2013, 62, 1575-1582.	1.6	26
66	Ionic Liquids Applied to Improve the Dispersion of Coagent Particles in an Elastomer. Journal of Composites, 2013, 2013, 1-8.	0.8	10
67	Elastomer shields reducing x-radiation doses in computed tomography techniques. Polimery, 2013, 58, 519-523.	0.4	1
68	POSS compounds as modifiers and additives for elastomeric composites. Polimery, 2013, 58, 772-782.	0.4	7
69	Highly Organized Self-Assembled Dendriplexes Based on Poly(propylene imine) Glycodendrimer and Anti-HIV Oligodeoxynucleotides. Current Medicinal Chemistry, 2012, 19, 4708-4719.	1.2	14
70	Carbosilane Dendrimers are a Non-Viral Delivery System for Antisense Oligonucleotides: Characterization of Dendriplexes. Journal of Biomedical Nanotechnology, 2012, 8, 57-73.	0.5	34
71	Synthesis and dissolving power of 1-Alkyl-3-methylpyridinium-based ionic liquids. Russian Journal of General Chemistry, 2012, 82, 1994-1998.	0.3	26
72	Specific features of cellulose and chitin dissolution in ionic liquids of varied structure and the structural organization of regenerated polysaccharides. Russian Journal of Applied Chemistry, 2012, 85, 1718-1725.	0.1	20

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73	Surface properties of calcium and magnesium oxide nanopowders grafted with unsaturated carboxylic acids studied with inverse gas chromatography. Journal of Chromatography A, 2012, 1257, 141-148.	1.8	8
74	Eco-friendly elastomeric composites containing Sencha and Gun Powder green tea extracts. Comptes Rendus Chimie, 2012, 15, 331-335.	0.2	16
75	Mineral oxides and layered minerals in combination with itaconic acid as coagents for peroxide crosslinking of hydrogenated acrylonitrile-butadiene elastomer. Comptes Rendus Chimie, 2012, 15, 414-423.	0.2	12
76	Antioxidant activity determination in Sencha and Gun Powder green tea extracts with the application of voltammetry and UV-VIS spectrophotometry. Comptes Rendus Chimie, 2012, 15, 424-427.	0.2	20
77	Characterisation of the antioxidant acitivity of riboflavin in an elastomeric composite. Comptes Rendus Chimie, 2012, 15, 524-529.	0.2	24
78	Characteristic of natural rubber composites absorbing X-radiation. Composite Interfaces, 2012, 19, 433-439.	1.3	4
79	Pigment and Dye Modified Fillers as Elastomeric Additives. , 2012, , .		2
80	Electrooxidation of flavonoids at platinum electrode studied by cyclic voltammetry. Food Chemistry, 2011, 127, 699-704.	4.2	79
81	Carbosilane dendrimers NN8 and NN16 form a stable complex with siGAG1. Colloids and Surfaces B: Biointerfaces, 2011, 83, 388-391.	2.5	33
82	Characterization of complexes formed by polypropylene imine dendrimers and anti-HIV oligonucleotides. Colloids and Surfaces B: Biointerfaces, 2011, 83, 360-366.	2.5	33
83	Derivatives of flavonoides as anti-ageing substances in elastomers. Comptes Rendus Chimie, 2011, 14, 483-488.	0.2	17
84	Nanostructured Metal Oxide and Unsaturated Acid as a New Co-agent in Peroxide Cross-Linking of Hydrogenated Butadiene-Acrylonitrile Rubber. , 2011, , 147-149.		1
85	The Effect of Chemical Modification on Mechanical Properties of Carbon Black Filled Elastomer. , 2011, , 143-146.		1
86	Influence of flavanone on the stabilization of ethylene-propylene elastomer. Polimery, 2011, 56, 558-563.	0.4	3
87	The influence of surfactants and ionic liquids on the mechanical and magnetic properties of ethylene-propylene copolymers filled with micrometer and nanometer magnetite. Polimery, 2011, 56, 743-748.	0.4	1
88	Effect of Ionic Liquids on the Mechanical Properties of Methylvinylsilicone Rubber. , 2011, , 151-154.		0
89	Effect of ionic liquids and surfactants on zinc oxide nanoparticle activity in crosslinking of acrylonitrile butadiene elastomer. Journal of Applied Polymer Science, 2010, 116, 155-164.	1.3	40
90	Ionic Liquids as Vulcanization Accelerators. Industrial & Engineering Chemistry Research, 2010, 49, 5012-5017.	1.8	36

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91	The influence of cellular T8 oligosilsesquioxanes on mechanical properties of silicone rubber. Polimery, 2010, 55, 208-214.	0.4	3
92	The properties of SiO2/dye composite pigments and their applications for silicone rubber. Polimery, 2010, 55, 215-221.	0.4	2
93	New organic peroxides as the agents curing elastomers. Polimery, 2010, 55, 293-298.	0.4	1
94	Zinc chelates as new activators for sulphur vulcanization of acrylonitrile-butadiene elastomer. EXPRESS Polymer Letters, 2009, 3, 256-266.	1.1	32
95	The interaction between PAMAM G3.5 dendrimer, Cd2+, dendrimerâ€“Cd2+ complexes and human serum albumin. Colloids and Surfaces B: Biointerfaces, 2009, 69, 95-98.	2.5	17
96	Surface properties of zinc oxide nanoparticles studied by inverse gas chromatography. Journal of Chromatography A, 2009, 1216, 5284-5291.	1.8	32
97	Studies of molecular dynamics of carboxylated acrylonitrile-butadiene rubber composites containing in situ synthesized silica particles. European Polymer Journal, 2009, 45, 3317-3325.	2.6	20
98	Dielectric investigation of organicâ€“inorganic hybrid based on titanium oxocluster-crosslinked elastomer. Journal of Non-Crystalline Solids, 2009, 355, 496-500.	1.5	3
99	New Coagents in Cross-linking of Hydrogenated Butadieneâ€“Acrylonitrile Elastomer Based on Nanostructured Zinc Oxide. Composite Interfaces, 2009, 16, 131-141.	1.3	5
100	The effect of zinc oxide nanoparticle morphology on activity in crosslinking of carboxylated nitrile elastomer. EXPRESS Polymer Letters, 2009, 3, 542-552.	1.1	62
101	Impact of PAMAM G2 and G6 dendrimers on bovine serum albumin (fatty acids free and loaded with) Tj ETQq1 1 0.784314 rgBT /Over	2.5	23
102	Hydroxyapatite: An Environmentally Friendly Filler for Elastomers. Molecular Crystals and Liquid Crystals, 2008, 483, 172-178.	0.4	16
103	Intercalated Montmorillonites as Fillers for Acrylonitrile-Butadiene Rubber. Rubber Chemistry and Technology, 2007, 80, 279-295.	0.6	8
104	Keratin as a filler for carboxylated acrylonitrileâ€butadiene rubber XNBR. Journal of Applied Polymer Science, 2007, 106, 3674-3687.	1.3	25
105	Interaction between PAMAM 4.5 dendrimer, cadmium and bovine serum albumin: A study using equilibrium dialysis, isothermal titration calorimetry, zeta-potential and fluorescence. Colloids and Surfaces B: Biointerfaces, 2007, 58, 286-289.	2.5	26
106	Serum albumins have five sites for binding of cationic dendrimers. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 946-951.	1.1	70
107	Chrome-tanned leather shavings as a filler of butadieneâ€“acrylonitrile rubber. Journal of Hazardous Materials, 2007, 141, 252-257.	6.5	45
108	Compatibility of fibroin/chitosan and fibroin/cellulose blends studied by thermal analysis. Journal of Thermal Analysis and Calorimetry, 2007, 89, 887-891.	2.0	48

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109	Hydrophilic-hydrophobic rubber composites with increased susceptibility to biodegradation. Polimery, 2006, 51, 534-538.	0.4	2
110	Sol-gel process of alkoxysilanes in an elastomer medium. Polymer International, 2005, 54, 1119-1125.	1.6	8
111	Biodegradable Protein-Containing Elastomeric Vulcanizates. Rubber Chemistry and Technology, 2005, 78, 868-878.	0.6	18
112	Adsorption of curatives and activity of silica toward elastomers. Macromolecular Symposia, 2003, 194, 269-276.	0.4	29
113	Modification of precipitated calcium carbonate to improve its activity toward elastomers. Macromolecular Symposia, 2003, 194, 287-294.	0.4	16
114	New type of inorganic filler with a core-shell structure. Macromolecular Symposia, 2003, 194, 313-320.	0.4	1
115	Synthesis and modification of fillers with derivatives of benzoic acids. Macromolecular Symposia, 2003, 194, 329-334.	0.4	1
116	Activity of fillers in elastomer networks of different structure. Macromolecular Symposia, 2003, 194, 87-100.	0.4	38
117	Synthesis of silica in elastomer's matrix. Macromolecular Symposia, 2003, 194, 321-328.	0.4	1
118	Characterization of physicochemical properties of the inorganic components in the â€žcore-shellâ€•structured polymer mixtures. Part I. The precipitated silica systems. Polimery, 2002, 47, 95-103.	0.4	3
119	Characterization of physicochemical properties of the inorganic components in the core-shell-structured in polymer mixtures. Part II. The systems obtain pyrogenic silica. Polimery, 2002, 47, 201-207.	0.4	2
120	Properties of ZnO/SiO2 cross-linked butadiene-acrylonitrile rubber. Polimery, 2002, 47, 339-346.	0.4	4
121	Properties of carboxylated acrylonitrile/butadiene rubber containing in situ synthesized silica fillers. Polimery, 2002, 47, 643-648.	0.4	7
122	Synthesis of organofunctional silanes with sterically hindered substituents at silicon atoms. Applied Organometallic Chemistry, 2001, 15, 649-657.	1.7	7
123	The effect of zinc oxide on the properties of ethylene-propylene rubbers. Polimery, 2001, 46, 678-683.	0.4	1
124	The structure and properties of collagen and gelatin. Polimery, 2000, 45, 10-21.	0.4	3
125	Thermal and surface properties of fibers made from fiber-forming gelatin-g-polyacrylonitrile grafted copolymers. Polimery, 2000, 45, 172-177.	0.4	2
126	Surface energy of vulcanizates differing in structure and density of space network. Polimery, 1991, 36, 109-111.	0.4	12

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127	Comparative study of the surface hydroxyl groups of fumed and precipitated silicas. I. Grafting and chemical characterization. Langmuir, 1989, 5, 447-451.	1.6	46
128	Elastomers Containing Fillers with Magnetic Properties. Solid State Phenomena, 0, 154, 121-126.	0.3	5
129	Properties of POSS/HNBR Elastomer Nanocomposites. Materials Science Forum, 0, 714, 175-181.	0.3	2
130	The Effect of Carbon Fillers on Elastomer Composite Properties. Materials Science Forum, 0, 714, 159-166.	0.3	2
131	Modification of Hydroxyapatite with Polymer Brushes. Materials Science Forum, 0, 714, 291-295.	0.3	1
132	Smart Materials Based on Magnetorheological Composites. Materials Science Forum, 0, 714, 167-173.	0.3	8
133	The Influence of Nanostructured Metal Oxides and Unsaturated Acids on Peroxide Cross-Linking of Ethylene-Octene Rubber. Materials Science Forum, 0, 714, 271-276.	0.3	1
134	Silsesquioxanes as Modifying Agents of Methylvinylsilicone Rubber. Materials Science Forum, 0, 714, 183-189.	0.3	1
135	Elastomer Composites Containing Layered Fillers Modified with Ionic Liquids. Materials Science Forum, 0, 714, 73-78.	0.3	1
136	The potential of juglone as natural dye and indicator for biodegradable polyesters. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 0, , 146442071880427.	0.7	6
137	Magnetorheological Elastomers Containing Ionic Liquids. , 0, , .		1