

JÃ;n KruÅ¾elÃ;k

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Progress in polymers and polymer composites used as efficient materials for EMI shielding. <i>Nanoscale Advances</i> , 2021, 3, 123-172.	4.6	174
2	Sulphur and peroxide vulcanisation of rubber compounds – overview. <i>Chemical Papers</i> , 2016, 70, .	2.2	104
3	VULCANIZATION OF RUBBER COMPOUNDS WITH PEROXIDE CURING SYSTEMS. <i>Rubber Chemistry and Technology</i> , 2017, 90, 60-88.	1.2	101
4	Recycling possibilities of bioplastics based on PLA/PHB blends. <i>Polymer Testing</i> , 2020, 92, 106880.	4.8	41
5	Peroxide vulcanization of natural rubber. Part I: effect of temperature and peroxide concentration. <i>Journal of Polymer Engineering</i> , 2014, 34, 617-624.	1.4	40
6	Peroxide vulcanization of natural rubber. Part II: effect of peroxides and co-agents. <i>Journal of Polymer Engineering</i> , 2015, 35, 21-29.	1.4	23
7	Rubber composite materials with the effects of electromagnetic shielding. <i>Polymer Composites</i> , 2016, 37, 2933-2939.	4.6	22
8	Influence of thermo-oxidative and ozone ageing on the properties of elastomeric magnetic composites. <i>Polymer Degradation and Stability</i> , 2012, 97, 921-928.	5.8	18
9	Rubber composites cured with sulphur and peroxide and incorporated with strontium ferrite. <i>Bulletin of Materials Science</i> , 2017, 40, 223-231.	1.7	15
10	Relationship between the cross-link structure and properties of peroxide and sulfur-cured magnetic composites based on NR and NBR. <i>Journal of Elastomers and Plastics</i> , 2017, 49, 459-480.	1.5	15
11	Thermooxidative aging of rubber composites based on NR and NBR with incorporated strontium ferrite. <i>Journal of Elastomers and Plastics</i> , 2018, 50, 71-91.	1.5	15
12	Electromagnetic Interference Shielding and Physical-Mechanical Characteristics of Rubber Composites Filled with Manganese-Zinc Ferrite and Carbon Black. <i>Polymers</i> , 2021, 13, 616.	4.5	13
13	Microstructure and Performance of Natural Rubber Based Magnetic Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1095-1104.	1.9	12
14	Influence of mixed sulfur/peroxide curing system and thermo-oxidative ageing on the properties of rubber magnetic composites. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	12
15	Application of Sulfur and Peroxide Curing Systems for Cross-Linking of Rubber Composites Filled with Calcium Lignosulfonate. <i>Polymers</i> , 2022, 14, 1921.	4.5	11
16	Peroxide curing systems applied for cross-linking of rubber compounds based on SBR. <i>Advanced Industrial and Engineering Polymer Research</i> , 2020, 3, 120-128.	4.7	9
17	Magnetic composites based on natural rubber prepared by using peroxide and sulfur curing system. <i>Polymers for Advanced Technologies</i> , 2014, 25, 995-1000.	3.2	8
18	Influence of peroxide curing systems on the performance of natural rubber-based magnetic composites. <i>Composite Interfaces</i> , 2015, 22, 473-488.	2.3	8

#	ARTICLE	IF	CITATIONS
19	Rubber Composites Based on Polar Elastomers with Incorporated Modified and Unmodified Magnetic Filler. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-10.	1.8	8
20	Magnetic composites prepared by incorporation of strontium ferrite into polar and non-polar rubber matrices. <i>Polymer Composites</i> , 2017, 38, 2480-2487.	4.6	8
21	Low frequency electromagnetic shielding efficiency of composites based on ethylene propylene diene monomer <sc>and</sc> multi-walled carbon nanotubes. <i>Polymers for Advanced Technologies</i> , 2020, 31, 3272-3280.	3.2	7
22	Mechanical, Thermal, Electrical Characteristics and EMI Absorption Shielding Effectiveness of Rubber Composites Based on Ferrite and Carbon Fillers. <i>Polymers</i> , 2021, 13, 2937.	4.5	7
23	Cross-linking and properties of rubber magnetic composites cured with different curing systems. <i>Polymers for Advanced Technologies</i> , 2018, 29, 216-225.	3.2	6
24	Rubber magnets based on NBR and lithium ferrite with the ability to absorb electromagnetic radiation. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1624-1633.	3.2	6
25	Influence of dicumyl peroxide and Type I and II co-agents on cross-linking and physical-mechanical properties of rubber compounds based on NBR. <i>Plastics, Rubber and Composites</i> , 2020, 49, 307-320.	2.0	6
26	Elastomeric magnetic composites - physical properties and network structure. <i>Polimery</i> , 2012, 57, 25-32.	0.7	6
27	Investigation of strontium ferrite activity in different rubber matrices. <i>Journal of Elastomers and Plastics</i> , 2015, 47, 277-290.	1.5	5
28	Application of Peroxide Curing Systems in Cross-Linking of Rubber Magnets Based on NBR and Barium Ferrite. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-10.	1.8	5
29	Rubber magnets cured with peroxide and coagents. <i>Journal of Elastomers and Plastics</i> , 2020, 52, 253-270.	1.5	4
30	Sulfur and peroxide curing of rubber magnetic composites with the application of zinc methacrylate. <i>Journal of Elastomers and Plastics</i> , 2021, 53, 123-145.	1.5	4
31	Influence of Multiple Thermomechanical Processing of 3D Filaments Based on Polylactic Acid and Polyhydroxybutyrate on Their Rheological and Utility Properties. <i>Polymers</i> , 2022, 14, 1947.	4.5	4
32	Reinforcement of Rubber Magnetic Composites with Zinc Salts of Acrylic and Methacrylic Acids. <i>Materials</i> , 2018, 11, 2161.	2.9	3
33	Barium and strontium ferrite-filled composites based on NBR and SBR. <i>Journal of Elastomers and Plastics</i> , 2019, 51, 421-439.	1.5	3
34	Cross-linking, mechanical, dynamical, and <sc>EMI</sc> absorption shielding effectiveness of <sc>NBR</sc> based composites filled with combination on ferrite and carbon based fillers. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2929-2939.	3.2	3
35	Combined sulfur and peroxide curing systems applied in cross-linking of rubber magnets. <i>Polymers and Polymer Composites</i> , 2021, 29, 1155-1166.	1.9	2
36	Thermo-oxidative stability of rubber magnetic composites cured with sulfur, peroxide and mixed curing systems. <i>Plastics, Rubber and Composites</i> , 2018, 47, 324-336.	2.0	1

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37	Magnetic composites based on NR and strontium ferrite. Acta Chimica Slovaca, 2019, 12, 63-69.	0.8	1
38	Cross-Linking of Rubber Matrices with Dicumyl Peroxide and Zinc Dimethacrylate. Part I: Effect of Co-Agent Content. Polymer Science - Series B, 2020, 62, 706-716.	0.8	1
39	ELECTROMAGNETIC ABSORPTION CHARACTERISTICS OF MANGANESE-ZINC FERRITE AND MULTIWALLED CARBON NANOTUBE FILLED COMPOSITES BASED ON NBR. Rubber Chemistry and Technology, 2022, 95, 300-321.	1.2	1
40	Rubber Magnetic Composites Cross-Linked with Peroxide Curing Systems. Polymer Science - Series B, 2019, 61, 865-873.	0.8	0
41	Rubber Composites Able to Efficiently Shield the Electromagnetic Radiation. Macromolecular Symposia, 2021, 396, 2000274.	0.7	0
42	Cross-Linking of Rubber Matrices with Dicumyl Peroxide and Zinc Dimethacrylate. Part II: Effect of Peroxide Content. Polymer Science - Series B, 2020, 62, 717-723.	0.8	0
43	The effect of temperature and peroxides content on cross-linking and properties of EPDM-based rubber matrix. Journal of Elastomers and Plastics, 0, , 009524432210774.	1.5	0