

Charoen Nakason

List of Publications by Year in descending order

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257101

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#	ARTICLE	IF	CITATIONS
1	Influence of modified natural rubber and structure of carbon black on properties of natural rubber compounds. <i>Polymer Composites</i> , 2012, 33, 489-500.	2.3	83
2	Dynamic vulcanization of natural rubber/high-density polyethylene blends: Effect of compatibilization, blend ratio and curing system. <i>Polymer Testing</i> , 2006, 25, 782-796.	2.3	78
3	Effect of different types of peroxides on rheological, mechanical, and morphological properties of thermoplastic vulcanizates based on natural rubber/polypropylene blends. <i>Polymer Testing</i> , 2007, 26, 537-546.	2.3	76
4	Rheological properties of maleated natural rubber/polypropylene blends with phenolic modified polypropylene and polypropylene-g-maleic anhydride compatibilizers. <i>Polymer Testing</i> , 2006, 25, 413-423.	2.3	60
5	Effect of vulcanization systems on properties and recyclability of dynamically cured epoxidized natural rubber/polypropylene blends. <i>Polymer Testing</i> , 2008, 27, 858-869.	2.3	52
6	Influence of modifying agents of organoclay on properties of nanocomposites based on natural rubber. <i>Polymer Testing</i> , 2014, 33, 48-56.	2.3	50
7	The effect of surface functionalization of carbon nanotubes on properties of natural rubber/carbon nanotube composites. <i>Polymer Composites</i> , 2015, 36, 2113-2122.	2.3	48
8	Influence of critical carbon nanotube loading on mechanical and electrical properties of epoxidized natural rubber nanocomposites. <i>Polymer Testing</i> , 2018, 66, 122-136.	2.3	45
9	Development and preparation of high-performance thermoplastic vulcanizates based on blends of natural rubber and thermoplastic polyurethanes. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2358-2367.	1.3	44
10	Ceramic/natural rubber composites: influence types of rubber and ceramic materials on curing, mechanical, morphological, and dielectric properties. <i>Journal of Materials Science</i> , 2011, 46, 1723-1731.	1.7	42
11	Influence of Filler from a Renewable Resource and Silane Coupling Agent on the Properties of Epoxidized Natural Rubber Vulcanizates. <i>Journal of Chemistry</i> , 2015, 2015, 1-15.	0.9	41
12	Graft copolymers of natural rubber and poly(dimethyl(acryloyloxymethyl)phosphonate) (NR-g-PDMAMP) or poly(dimethyl(methacryloyloxyethyl)phosphonate) (NR-g-PDMMEP) from photopolymerization in latex medium. <i>European Polymer Journal</i> , 2009, 45, 820-836.	2.6	40
13	Effects of <i>in-situ</i> functionalization of carbon nanotubes with bis(triethoxysilylpropyl) tetrasulfide (TESPT) and 3-aminopropyltriethoxysilane (APTES) on properties of epoxidized natural rubber-carbon nanotube composites. <i>Polymer Engineering and Science</i> , 2015, 55, 2500-2510.	1.5	36
14	Thermoplastic elastomers based on epoxidized natural rubber and high-density polyethylene blends: Effect of blend compatibilizers on the mechanical and morphological properties. <i>Journal of Applied Polymer Science</i> , 2008, 109, 2694-2702.	1.3	34
15	Influence of ground tire rubber devulcanization conditions on properties of its thermoplastic vulcanizate blends with copolyester. <i>European Polymer Journal</i> , 2016, 85, 279-297.	2.6	34
16	Novel epoxidized natural rubber composites with geopolymers from fly ash waste. <i>Waste Management</i> , 2019, 87, 148-160.	3.7	34
17	INFLUENCE OF MODIFIED NATURAL RUBBER ON PROPERTIES OF NATURAL RUBBER-CARBON NANOTUBE COMPOSITES. <i>Rubber Chemistry and Technology</i> , 2015, 88, 199-218.	0.6	33
18	Thermoplastic elastomers-based natural rubber and thermoplastic polyurethane blends. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 65-79.	1.3	32

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19	Novel approach to determine non-rubber content in <i>Hevea brasiliensis</i> : Influence of clone variation on properties of un-vulcanized natural rubber. <i>Industrial Crops and Products</i> , 2018, 118, 38-47.	2.5	32
20	Novel thermoplastic natural rubber based on thermoplastic polyurethane blends: influence of modified natural rubbers on properties of the blends. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 689-700.	1.3	31
21	Electrical, dielectric, and dynamic mechanical properties of conductive carbon black/epoxidized natural rubber composites. <i>Journal of Composite Materials</i> , 2016, 50, 2191-2202.	1.2	30
22	Influence of nonrubber components on properties of unvulcanized natural rubber. <i>Polymers for Advanced Technologies</i> , 2020, 31, 44-59.	1.6	30
23	Micro-scale morphologies of EPDM/EOC/PP ternary blends: Relating experiments to predictive theories of dispersion in melt mixing. <i>Materials and Design</i> , 2016, 100, 19-29.	3.3	27
24	A comparative study of rice husk ash and siliceous earth as reinforcing fillers in epoxidized natural rubber composites. <i>Polymer Composites</i> , 2018, 39, 414-426.	2.3	27
25	ENHANCEMENT OF ELECTRICAL CONDUCTIVITY AND FILLER DISPERSION OF CARBON NANOTUBE FILLED NATURAL RUBBER COMPOSITES BY LATEX MIXING AND IN SITU SILANIZATION. <i>Rubber Chemistry and Technology</i> , 2016, 89, 272-291.	0.6	26
26	Effects of imidazolium ionic liquid on cure characteristics, electrical conductivity and other related properties of epoxidized natural rubber vulcanizates. <i>European Polymer Journal</i> , 2017, 87, 344-359.	2.6	26
27	Influences of blend proportions and curing systems on dynamic, mechanical, and morphological properties of dynamically cured epoxidized natural rubber/high-density polyethylene blends. <i>Polymer Engineering and Science</i> , 2009, 49, 281-292.	1.5	25
28	From a laboratory to a pilot scale production of natural rubber grafted with PMMA. <i>Journal of Applied Polymer Science</i> , 2009, 114, 587-597.	1.3	22
29	Flexible 3 Ceramic-Polymer Composites of Barium Titanate and Epoxidized Natural Rubber. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 106-115.	1.1	21
30	Influence of grafting content on the properties of cured natural rubber grafted with PMMAs using glutaraldehyde as a crosslinking agent. <i>Advances in Polymer Technology</i> , 2018, 37, 1478-1485.	0.8	21
31	Thermoplastic vulcanizates based on waste truck tire rubber and copolyester blends reinforced with carbon black. <i>Waste Management</i> , 2018, 79, 638-646.	3.7	20
32	Dynamically cured poly(vinylidene fluoride)/epoxidized natural rubber blends filled with ferroelectric ceramic barium titanate. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 93, 107-116.	3.8	19
33	Influence type of natural rubber on properties of green biodegradable thermoplastic natural rubber based on poly(butylene succinate). <i>Polymers for Advanced Technologies</i> , 2019, 30, 1010-1026.	1.6	19
34	Effect of carbon nanotubes decorated with silver nanoparticles as hybrid filler on properties of natural rubber nanocomposites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47281.	1.3	18
35	Influence of incorporation sequence of silica nanoparticles on morphology, crystallization behavior, mechanical properties, and thermal resistance of melt blended thermoplastic natural rubber. <i>Polymer Composites</i> , 2012, 33, 1911-1920.	2.3	16
36	Novel ternary blends of natural rubber/linear low-density polyethylene/thermoplastic starch: influence of epoxide level of epoxidized natural rubber on blend properties. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 711-723.	1.3	16

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37	Effects of multi-walled carbon nanotubes and conductive carbon black on electrical, dielectric, and mechanical properties of epoxidized natural rubber composites. <i>Polymer Composites</i> , 2017, 38, 1031-1042.	2.3	16
38	Mechanical, thermal, morphological, and curing properties of geopolymer filled natural rubber composites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47346.	1.3	14
39	Internal Polymerization of Epoxy Group of Epoxidized Natural Rubber by Ferric Chloride and Formation of Strong Network Structure. <i>Polymers</i> , 2021, 13, 4145.	2.0	14
40	Prediction models for the key mechanical properties of EPDM/PP blends as affected by processing parameters and their correlation with stress relaxation and phase morphologies. <i>Polymers for Advanced Technologies</i> , 2015, 26, 970-977.	1.6	13
41	Optimization of Electrical Conductivity, Dielectric Properties, and Stress Relaxation Behavior of Conductive Thermoplastic Vulcanizates Based on ENR/COPA Blends by Adjusting Mixing Method and Ionic Liquid Loading. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3629-3639.	1.8	13
42	Novel Biodegradable Thermoplastic Elastomer Based on Poly(butylene succinate) and Epoxidized Natural Rubber Simple Blends. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2867-2880.	2.4	13
43	Effect of Modified Natural Rubber and Functionalization of Carbon Nanotubes on Properties of Natural Rubber Composites. <i>Advanced Materials Research</i> , 2013, 844, 301-304.	0.3	12
44	Novel natural rubber composites with geopolymer filler. <i>Advances in Polymer Technology</i> , 2018, 37, 2651-2662.	0.8	12
45	A Comparative Investigation of Rice Husk Ash and Siliceous Earth as Reinforcing Fillers in Dynamically Cured Blends of Epoxidized Natural Rubber (ENR) and Thermoplastic Polyurethane (TPU). <i>Journal of Polymers and the Environment</i> , 2018, 26, 1145-1159.	2.4	12
46	Green Biodegradable Thermoplastic Natural Rubber Based on Epoxidized Natural Rubber and Poly(butylene succinate) Blends: Influence of Blend Proportions. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1050-1067.	2.4	11
47	Novel natural rubber composites based on silver nanoparticles and carbon nanotubes hybrid filler. <i>Polymer Composites</i> , 2020, 41, 443-458.	2.3	10
48	Effect of organoclay loading level on mechanical properties, thermomechanical behavior, and heat build-up of natural rubber/organoclay nanocomposites. <i>Polymer Composites</i> , 2016, 37, 1735-1743.	2.3	9
49	Role of geopolymer as a cure activator in sulfur vulcanization of epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48624.	1.3	9
50	Conductive elastomer composites with low percolation threshold based on carbon black and epoxidized natural rubber. <i>Polymer Composites</i> , 2018, 39, 1835-1844.	2.3	8
51	Influence of alkaline treatment and acetone extraction of natural rubber matrix on properties of carbon black filled natural rubber vulcanizates. <i>Polymer Testing</i> , 2020, 89, 106623.	2.3	8
52	Thermoplastic Elastomer Based on Epoxidized Natural Rubber/Polyamide-12 and Co-Polyamide-12 Blends. <i>Advanced Materials Research</i> , 0, 626, 58-61.	0.3	7
53	Thermoplastic natural rubber based on polyamide-12 blended with various types of natural rubber. <i>Journal of Elastomers and Plastics</i> , 2013, 45, 47-75.	0.7	6
54	Novel natural rubber-g-N-(4-hydroxyphenyl)maleimide: synthesis and its preliminary blending products with polypropylene. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 1-12.	1.3	6

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55	Optimizing mechanical and morphological properties of biodegradable thermoplastic elastomer based on epoxidized natural rubber and poly(butylene succinate) blends. Journal of Applied Polymer Science, 2018, 135, 46541.	1.3	6
56	Influence of Surface Modification and Content of Nanosilica on Dynamic Mechanical Properties of Epoxidized Natural Rubber Nanocomposites. Advanced Materials Research, 0, 844, 289-292.	0.3	4
57	Influence of Curing Systems on Mechanical, Dynamic, and Morphological Properties of Dynamically Cured Epoxidized Natural Rubber/ Copolyamide Blends. Advanced Materials Research, 2013, 844, 81-84.	0.3	3
58	Thermodynamically and kinetically favored locations of rice husk ash particles in the phase structure, and the properties of epoxidized natural rubber/thermoplastic polyurethane blends. Journal of Applied Polymer Science, 2018, 135, 46681.	1.3	2