Charoen Nakason

List of Publications by Year
in descending order

58 papers	1,497 citations	257101 24 h-index	360668 35 g-index
59 all docs	59 docs citations	59 times ranked	1095 citing authors

#	Article	IF	Citations
1	Internal Polymerization of Epoxy Group of Epoxidized Natural Rubber by Ferric Chloride and Formation of Strong Network Structure. Polymers, 2021, 13, 4145.	2.0	14
2	Novel natural rubber composites based on silver nanoparticles and carbon nanotubes hybrid filler. Polymer Composites, 2020, 41, 443-458.	2.3	10
3	Influence of nonrubber components on properties of unvulcanized natural rubber. Polymers for Advanced Technologies, 2020, 31, 44-59.	1.6	30
4	Role of geopolymer as a cure activator in sulfur vulcanization of epoxidized natural rubber. Journal of Applied Polymer Science, 2020, 137, 48624.	1.3	9
5	Influence of alkaline treatment and acetone extraction of natural rubber matrix on properties of carbon black filled natural rubber vulcanizates. Polymer Testing, 2020, 89, 106623.	2.3	8
6	Green Biodegradable Thermoplastic Natural Rubber Based on Epoxidized Natural Rubber and Poly(butylene succinate) Blends: Influence of Blend Proportions. Journal of Polymers and the Environment, 2020, 28, 1050-1067.	2.4	11
7	Novel epoxidized natural rubber composites with geopolymers from fly ash waste. Waste Management, 2019, 87, 148-160.	3.7	34
8	Mechanical, thermal, morphological, and curing properties of geopolymer filled natural rubber composites. Journal of Applied Polymer Science, 2019, 136, 47346.	1.3	14
9	Effect of carbon nanotubes decorated with silver nanoparticles as hybrid filler on properties of natural rubber nanocomposites. Journal of Applied Polymer Science, 2019, 136, 47281.	1.3	18
10	Influence type of natural rubber on properties of green biodegradable thermoplastic natural rubber based on poly(butylene succinate). Polymers for Advanced Technologies, 2019, 30, 1010-1026.	1.6	19
11	Influence of critical carbon nanotube loading on mechanical and electrical properties of epoxidized natural rubber nanocomposites. Polymer Testing, 2018, 66, 122-136.	2.3	45
12	Novel natural rubber composites with geopolymer filler. Advances in Polymer Technology, 2018, 37, 2651-2662.	0.8	12
13	Novel Biodegradable Thermoplastic Elastomer Based on Poly(butylene succinate) and Epoxidized Natural Rubber Simple Blends. Journal of Polymers and the Environment, 2018, 26, 2867-2880.	2.4	13
14	Novel approach to determine non-rubber content in Hevea brasiliensis: Influence of clone variation on properties of un-vulcanized natural rubber. Industrial Crops and Products, 2018, 118, 38-47.	2.5	32
15	A comparative study of rice husk ash and siliceous earth as reinforcing fillers in epoxidized natural rubber composites. Polymer Composites, 2018, 39, 414-426.	2.3	27
16	Conductive elastomer composites with low percolation threshold based on carbon black and epoxidized natural rubber. Polymer Composites, 2018, 39, 1835-1844.	2.3	8
17	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). Journal of Polymers and the Environment, 2018, 26, 1145-1159.	2.4	12
18	Influence of grafting content on the properties of cured natural rubber grafted with PMMAs using glutaraldehyde as a crossâ€linking agent. Advances in Polymer Technology, 2018, 37, 1478-1485.	0.8	21

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Thermoplastic vulcanizates based on waste truck tire rubber and copolyester blends reinforced with carbon black. Waste Management, 2018, 79, 638-646.	3.7	20
22	Effects of multiâ€walled carbon nanotubes and conductive carbon black on electrical, dielectric, and mechanical properties of epoxidized natural rubber composites. Polymer Composites, 2017, 38, 1031-1042.	2.3	16
23	Effects of imidazolium ionic liquid on cure characteristics, electrical conductivity and other related properties of epoxidized natural rubber vulcanizates. European Polymer Journal, 2017, 87, 344-359.	2.6	26
24	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. Industrial & Engineering Chemistry Research, 2017, 56, 3629-3639.	1.8	13
25	Dynamically cured poly(vinylidene fluoride)/epoxidized natural rubber blends filled with ferroelectric ceramic barium titanate. Composites Part A: Applied Science and Manufacturing, 2017, 93, 107-116.	3.8	19
26	Micro-scale morphologies of EPDM/EOC/PP ternary blends: Relating experiments to predictive theories of dispersion in melt mixing. Materials and Design, 2016, 100, 19-29.	3.3	27
27	Novel ternary blends of natural rubber/linear low-density polyethylene/thermoplastic starch: influence of epoxide level of epoxidized natural rubber on blend properties. Iranian Polymer Journal (English Edition), 2016, 25, 711-723.	1.3	16
28	Influence of ground tire rubber devulcanization conditions on properties of its thermoplastic vulcanizate blends with copolyester. European Polymer Journal, 2016, 85, 279-297.	2.6	34
29	ENHANCEMENT OF ELECTRICAL CONDUCTIVITY AND FILLER DISPERSION OF CARBON NANOTUBE FILLED NATURAL RUBBER COMPOSITES BY LATEX MIXING AND IN SITU SILANIZATION. Rubber Chemistry and Technology, 2016, 89, 272-291.	0.6	26
30	Electrical, dielectric, and dynamic mechanical properties of conductive carbon black/epoxidized natural rubber composites. Journal of Composite Materials, 2016, 50, 2191-2202.	1.2	30
31	Effect of organoclay loading level on mechanical properties, thermomechanical behavior, and heat buildâ€up of natural rubber/organoclay nanocomposites. Polymer Composites, 2016, 37, 1735-1743.	2.3	9
32	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. Polymer Engineering and Science, 2015, 55, 2500-2510.	1.5	36
33	Influence of Filler from a Renewable Resource and Silane Coupling Agent on the Properties of Epoxidized Natural Rubber Vulcanizates. Journal of Chemistry, 2015, 2015, 1-15.	0.9	41
34	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. Polymers for Advanced Technologies, 2015, 26, 970-977.	1.6	13
35	INFLUENCE OF MODIFIED NATURAL RUBBER ON PROPERTIES OF NATURAL RUBBERâ€"CARBON NANOTUBE COMPOSITES. Rubber Chemistry and Technology, 2015, 88, 199-218.	0.6	33
36	Flexible 0â€"3 Ceramicâ€Polymer Composites of Barium Titanate and Epoxidized Natural Rubber. International Journal of Applied Ceramic Technology, 2015, 12, 106-115.	1.1	21

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37	The effect of surface functionalization of carbon nanotubes on properties of natural rubber/carbon nanotube composites. Polymer Composites, 2015, 36, 2113-2122.	2.3	48
38	Novel natural rubber-g-N-(4-hydroxyphenyl)maleimide: synthesis and its preliminary blending products with polypropylene. Iranian Polymer Journal (English Edition), 2014, 23, 1-12.	1.3	6
39	Influence of modifying agents of organoclay on properties of nanocomposites based on natural rubber. Polymer Testing, 2014, 33, 48-56.	2.3	50
40	Development and preparation of highâ€performance thermoplastic vulcanizates based on blends of natural rubber and thermoplastic polyurethanes. Journal of Applied Polymer Science, 2013, 128, 2358-2367.	1.3	44
41	Effect of Modified Natural Rubber and Functionalization of Carbon Nanotubes on Properties of Natural Rubber Composites. Advanced Materials Research, 2013, 844, 301-304.	0.3	12
42	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
43	Thermoplastic natural rubber based on polyamide-12 blended with various types of natural rubber. Journal of Elastomers and Plastics, 2013, 45, 47-75.	0.7	6
44	Influence of incorporation sequence of silica nanoparticles on morphology, crystallization behavior, mechanical properties, and thermal resistance of melt blended thermoplastic natural rubber. Polymer Composites, 2012, 33, 1911-1920.	2.3	16
45	Novel thermoplastic natural rubber based on thermoplastic polyurethane blends: influence of modified natural rubbers on properties of the blends. Iranian Polymer Journal (English Edition), 2012, 21, 689-700.	1.3	31
46	Influence of modified natural rubber and structure of carbon black on properties of natural rubber compounds. Polymer Composites, 2012, 33, 489-500.	2.3	83
47	Thermoplastic elastomers-based natural rubber and thermoplastic polyurethane blends. Iranian Polymer Journal (English Edition), 2012, 21, 65-79.	1.3	32
48	Ceramic/natural rubber composites: influence types of rubber and ceramic materials on curing, mechanical, morphological, and dielectric properties. Journal of Materials Science, 2011, 46, 1723-1731.	1.7	42
49	From a laboratory to a pilot scale production of natural rubber grafted with PMMA. Journal of Applied Polymer Science, 2009, 114, 587-597.	1.3	22
50	Influences of blend proportions and curing systems on dynamic, mechanical, and morphological properties of dynamically cured epoxidized natural rubber/highâ€density polyethylene blends. Polymer Engineering and Science, 2009, 49, 281-292.	1.5	25
51	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. European Polymer Journal, 2009, 45, 820-836.	2.6	40
52	Thermoplastic elastomers based on epoxidized natural rubber and highâ€density polyethylene blends: Effect of blend compatibilizers on the mechanical and morphological properties. Journal of Applied Polymer Science, 2008, 109, 2694-2702.	1.3	34
53	Effect of vulcanization systems on properties and recyclability of dynamically cured epoxidized natural rubber/polypropylene blends. Polymer Testing, 2008, 27, 858-869.	2.3	52
54	Effect of different types of peroxides on rheological, mechanical, and morphological properties of thermoplastic vulcanizates based on natural rubber/polypropylene blends. Polymer Testing, 2007, 26, 537-546.	2.3	76

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55	Rheological properties of maleated natural rubber/polypropylene blends with phenolic modified polypropylene and polypropylene-g-maleic anhydride compatibilizers. Polymer Testing, 2006, 25, 413-423.	2.3	60
56	Dynamic vulcanization of natural rubber/high-density polyethylene blends: Effect of compatibilization, blend ratio and curing system. Polymer Testing, 2006, 25, 782-796.	2.3	78
57	Thermoplastic Elastomer Based on Epoxidized Natural Rubber/Polyamide-12 and Co-Polyamide-12 Blends. Advanced Materials Research, 0, 626, 58-61.	0.3	7
58	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