Norbert Vennemann

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1875307/publications.pdf

Version: 2024-02-01

55 papers	1,004 citations	393982 19 h-index	476904 29 g-index
55 all docs	55 docs citations	55 times ranked	769 citing authors

#	Article	IF	Citations
1	Devulcanization of ethyleneâ€propyleneâ€diene monomer rubber waste. Effect of diphenyl disulfide derivate as devulcanizing agent on vulcanization, and devulcanization process. Journal of Applied Polymer Science, 2022, 139, .	1.3	7
2	Slippery polymer monoliths: Surface functionalization with ordered MoS2 microparticle arrays. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 617, 126363.	2.3	1
3	Grafting of various acrylic monomers on to natural rubber: Effects of glutaraldehyde curing on mechanical and thermo-mechanical properties. Materials Today Communications, 2021, 27, 102387.	0.9	7
4	Exploring the thermomechanical properties of peroxide/coâ€agent assisted thermoplastic vulcanizates through temperature scanning stress relaxation measurements. Polymer Engineering and Science, 2021, 61, 2466-2476.	1.5	7
5	Novel natural rubber composites based on silver nanoparticles and carbon nanotubes hybrid filler. Polymer Composites, 2020, 41, 443-458.	2.3	10
6	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
7	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
8	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
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 of critical carbon nanotube loading on mechanical and electrical properties of epoxidized natural rubber nanocomposites. Polymer Testing, 2018, 66, 122-136.	2.3	45
11	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
12	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
13	Electron tunneling in carbon nanotubes and carbon black hybrid fillerâ€filled natural rubber composites: Influence of nonâ€rubber components. Polymer Composites, 2018, 39, E1237.	2.3	16
14	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
15	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
16	Temperature scanning stress relaxation measurements: A unique perspective for evaluation of the thermomechanical behavior of shape memory polymer blends. Journal of Applied Polymer Science, 2018, 135, 45680.	1.3	26
17	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
18	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

#	Article	IF	Citations
19	Temperature Scanning Stress Relaxation of an Autonomous Self-Healing Elastomer Containing Non-Covalent Reversible Network Junctions. Polymers, 2018, 10, 94.	2.0	32
20	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
21	Investigation of surface properties and elastomeric behaviors of EPDM/EOC/PP thermoplastic vulcanizates with different octene contents. Journal of Applied Polymer Science, 2017, 134, .	1.3	11
22	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
23	Enhancement of electrical conductivity and other related properties of epoxidized natural rubber/carbon nanotube composites by optimizing concentration of 3â€aminopropyltriethoxy silane. Polymer Engineering and Science, 2017, 57, 381-391.	1.5	15
24	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
25	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
26	Effects ofin-situfunctionalization 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
27	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
28	Investigation of new composite materials based on activated <scp>EPDM</scp> rubber waste particles by liquid polymers. Journal of Applied Polymer Science, 2015, 132, .	1.3	12
29	INFLUENCE OF MODIFIED NATURAL RUBBER ON PROPERTIES OF NATURAL RUBBERâ€“CARBON NANOTUBE COMPOSITES. Rubber Chemistry and Technology, 2015, 88, 199-218.	0.6	33
30	Influence of curing systems on dynamically cured epoxidized natural rubber/thermoplastic polyurethane blends. Journal of Elastomers and Plastics, 2015, 47, 28-51.	0.7	7
31	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
32	Influence of blend ratio on properties of novel thermoplastic vulcanizates based on copolyester/epoxidized natural rubber blends. Iranian Polymer Journal (English Edition), 2014, 23, 965-977.	1.3	3
33	Influence of modifying agents of organoclay on properties of nanocomposites based on natural rubber. Polymer Testing, 2014, 33, 48-56.	2.3	50
34	Preparation and properties of carbon-nanotube composites with natural rubber and epoxidized natural rubber. Polimery, 2014, 59, 811-818.	0.4	13
35	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
36	Preparation and properties of carbon nanotube composites with nitrileâ€and styreneâ€butadiene rubbers. Polymer Engineering and Science, 2013, 53, 849-856.	1.5	21

#	Article	IF	Citations
37	Effect of Fillers from Renewable Resources on the Performance of Novel Heat and Oil Resistant Thermoplastic Vulcanizates Based on Epoxidized Natural Rubber/Thermoplastic Polyurethane Blends. Advanced Materials Research, 2013, 844, 140-143.	0.3	0
38	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
39	Carbon Nanotube Elastomer Composites. Advanced Materials Research, 2013, 844, 322-325.	0.3	0
40	Influence of the Type of Alkylamine Organic Modifiers on Thermal Mechanical Behavior and other Related Properties of Natural Rubber/Clay Nanocomposites. Advanced Materials Research, 2013, 844, 217-220.	0.3	1
41	Dynamically Cured Co-Polyester/Epoxidized Natural Rubber Blends: Influence of Epoxide Contents. Advanced Materials Research, 2013, 844, 135-139.	0.3	0
42	Investigation of Structure-Properties Relationship of High Performance TPV Based on ENR/TPU. Advanced Materials Research, 2013, 844, 113-116.	0.3	1
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 Processing Oil and Plasticizer on Properties of ENR-25/TPU Simple Blends. Advanced Materials Research, 2012, 626, 240-244.	0.3	1
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	Thermoplastic elastomers-based natural rubber and thermoplastic polyurethane blends. Iranian Polymer Journal (English Edition), 2012, 21, 65-79.	1.3	32
47	Influence of epoxide level and reactive blending on properties of epoxidized natural rubber and nylonâ€12 blends. Advances in Polymer Technology, 2012, 31, 118-129.	0.8	22
48	Crosslink Density of Peroxide Cured TPV. Macromolecular Symposia, 2006, 245-246, 641-650.	0.4	83
49	Investigation of modified SEBS-based thermoplastic elastomers by temperature scanning stress relaxation measurements. Polymer Engineering and Science, 2005, 45, 1498-1507.	1.5	72
50	Elastomerâ€“metalâ€“absorber: development and application. Solar Energy, 1999, 67, 215-226.	2.9	3
51	Densitometric Characterization of the Main Phase Transition of Dimyristoylâ€Phosphatidylcholine between 0.1 and 40 MPa. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1986, 90, 888-891.	0.9	10
52	Effect of Antioxidant on Properties of Thermoplastic Natural Rubber Based on ENR/TPU Blends. Advanced Materials Research, 0, 626, 229-232.	0.3	1
53	Determination of Crosslink Density and Network Structure of NR Vulcanizates by Means of TSSR. Advanced Materials Research, 0, 844, 482-485.	0.3	19
54	Investigation of Un-Vulcanized Natural Rubber by Means of Temperature Scanning Stress Relaxation Measurements. Advanced Materials Research, 0, 718-720, 117-123.	0.3	13

#	Article	IF	Citations
55	Influence of Blend Proportions on Properties of ENR-25/TPU Simple Blends. Advanced Materials Research, 0, 844, 93-96.	0.3	0