

# Norbert Vennemann

## List of Publications by Year in descending order

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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	Crosslink Density of Peroxide Cured TPV. <i>Macromolecular Symposia</i> , 2006, 245-246, 641-650.	0.4	83
2	Investigation of modified SEBS-based thermoplastic elastomers by temperature scanning stress relaxation measurements. <i>Polymer Engineering and Science</i> , 2005, 45, 1498-1507.	1.5	72
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	Thermoplastic elastomers-based natural rubber and thermoplastic polyurethane blends. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 65-79.	1.3	32
11	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
12	Temperature Scanning Stress Relaxation of an Autonomous Self-Healing Elastomer Containing Non-Covalent Reversible Network Junctions. <i>Polymers</i> , 2018, 10, 94.	2.0	32
13	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
14	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
15	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
16	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
17	Temperature scanning stress relaxation measurements: A unique perspective for evaluation of the thermomechanical behavior of shape memory polymer blends. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45680.	1.3	26
18	Influence of epoxide level and reactive blending on properties of epoxidized natural rubber and nylon-12 blends. <i>Advances in Polymer Technology</i> , 2012, 31, 118-129.	0.8	22

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19	Preparation and properties of carbon nanotube composites with nitrile and styrene butadiene rubbers. <i>Polymer Engineering and Science</i> , 2013, 53, 849-856.	1.5	21
20	Determination of Crosslink Density and Network Structure of NR Vulcanizates by Means of TSSR. <i>Advanced Materials Research</i> , 0, 844, 482-485.	0.3	19
21	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
22	Electron tunneling in carbon nanotubes and carbon black hybrid filler filled natural rubber composites: Influence of non-rubber components. <i>Polymer Composites</i> , 2018, 39, E1237.	2.3	16
23	Enhancement of electrical conductivity and other related properties of epoxidized natural rubber/carbon nanotube composites by optimizing concentration of 3-aminopropyltriethoxy silane. <i>Polymer Engineering and Science</i> , 2017, 57, 381-391.	1.5	15
24	Investigation of Un-Vulcanized Natural Rubber by Means of Temperature Scanning Stress Relaxation Measurements. <i>Advanced Materials Research</i> , 0, 718-720, 117-123.	0.3	13
25	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 &amp; Engineering Chemistry Research</i> , 2017, 56, 3629-3639.	1.8	13
26	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
27	Preparation and properties of carbon-nanotube composites with natural rubber and epoxidized natural rubber. <i>Polimery</i> , 2014, 59, 811-818.	0.4	13
28	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
29	Investigation of new composite materials based on activated EPDM rubber waste particles by liquid polymers. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	12
30	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
31	Investigation of surface properties and elastomeric behaviors of EPDM/EOC/PP thermoplastic vulcanizates with different octene contents. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	11
32	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
33	Densitometric Characterization of the Main Phase Transition of Dimyristoyl Phosphatidylcholine between 0.1 and 40 MPa. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1986, 90, 888-891.	0.9	10
34	Novel natural rubber composites based on silver nanoparticles and carbon nanotubes hybrid filler. <i>Polymer Composites</i> , 2020, 41, 443-458.	2.3	10
35	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
36	Role of geopolymers as a cure activator in sulfur vulcanization of epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48624.	1.3	9

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37	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
38	Influence of curing systems on dynamically cured epoxidized natural rubber/thermoplastic polyurethane blends. <i>Journal of Elastomers and Plastics</i> , 2015, 47, 28-51.	0.7	7
39	Grafting of various acrylic monomers on to natural rubber: Effects of glutaraldehyde curing on mechanical and thermo-mechanical properties. <i>Materials Today Communications</i> , 2021, 27, 102387.	0.9	7
40	Exploring the thermomechanical properties of peroxide/co-agent assisted thermoplastic vulcanizates through temperature scanning stress relaxation measurements. <i>Polymer Engineering and Science</i> , 2021, 61, 2466-2476.	1.5	7
41	Devulcanization of ethylene-propylene diene monomer rubber waste. Effect of diphenyl disulfide derivate as devulcanizing agent on vulcanization, and devulcanization process. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	7
42	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
43	Optimizing mechanical and morphological properties of biodegradable thermoplastic elastomer based on epoxidized natural rubber and poly(butylene succinate) blends. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46541.	1.3	6
44	Elastomer-metal absorber: development and application. <i>Solar Energy</i> , 1999, 67, 215-226.	2.9	3
45	Influence of blend ratio on properties of novel thermoplastic vulcanizates based on copolyester/epoxidized natural rubber blends. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 965-977.	1.3	3
46	Thermodynamically and kinetically favored locations of rice husk ash particles in the phase structure, and the properties of epoxidized natural rubber/thermoplastic polyurethane blends. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46681.	1.3	2
47	Effect of Antioxidant on Properties of Thermoplastic Natural Rubber Based on ENR/TPU Blends. <i>Advanced Materials Research</i> , 0, 626, 229-232.	0.3	1
48	Influence of Processing Oil and Plasticizer on Properties of ENR-25/TPU Simple Blends. <i>Advanced Materials Research</i> , 2012, 626, 240-244.	0.3	1
49	Influence of the Type of Alkylamine Organic Modifiers on Thermal Mechanical Behavior and other Related Properties of Natural Rubber/Clay Nanocomposites. <i>Advanced Materials Research</i> , 2013, 844, 217-220.	0.3	1
50	Investigation of Structure-Properties Relationship of High Performance TPV Based on ENR/TPU. <i>Advanced Materials Research</i> , 2013, 844, 113-116.	0.3	1
51	Slippery polymer monoliths: Surface functionalization with ordered MoS <sub>2</sub> microparticle arrays. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 617, 126363.	2.3	1
52	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. <i>Advanced Materials Research</i> , 2013, 844, 140-143.	0.3	0
53	Carbon Nanotube Elastomer Composites. <i>Advanced Materials Research</i> , 2013, 844, 322-325.	0.3	0
54	Dynamically Cured Co-Polyester/Epoxidized Natural Rubber Blends: Influence of Epoxide Contents. <i>Advanced Materials Research</i> , 2013, 844, 135-139.	0.3	0

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