

Changwoon Nah

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

916
citations

16
h-index

29
g-index

42
ext. papers

1,120
ext. citations

3.7
avg. IF

4.26
L-index

#	Paper	IF	Citations
41	Preparation and properties of EPDM/organomontmorillonite hybrid nanocomposites. <i>Polymer International</i> , 2002 , 51, 319-324	3.3	118
40	Influence of clay on the vulcanization kinetics of fluoroelastomer nanocomposites. <i>Polymer</i> , 2004 , 45, 2237-2247	3.9	86
39	Vulcanization kinetics of nitrile rubber/layered clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1688-1696	2.9	73
38	Influence of surface characteristics of carbon blacks on cure and mechanical behaviors of rubber matrix compoundings. <i>Journal of Colloid and Interface Science</i> , 2005 , 291, 229-35	9.3	56
37	Fracture behaviour of acrylonitrileButadiene rubber/clay nanocomposite. <i>Polymer International</i> , 2001 , 50, 1265-1268	3.3	56
36	Carbon nanotube-reinforced elastomeric nanocomposites: a review. <i>International Journal of Smart and Nano Materials</i> , 2015 , 6, 211-238	3.6	50
35	A study of graphene oxide-reinforced rubber nanocomposite. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	45
34	Graphene-reinforced elastomeric nanocomposites: A review. <i>Polymer Testing</i> , 2018 , 68, 160-184	4.5	44
33	Effects of particle size and structure of carbon blacks on the abrasion of filled elastomer compounds. <i>Journal of Materials Science</i> , 2007 , 42, 8391-8399	4.3	36
32	Plasma surface modification of silica and its effect on properties of styreneButadiene rubber compound. <i>Polymer International</i> , 2002 , 51, 510-518	3.3	34
31	Flexible thermoplastic polyurethane-carbon nanotube composites for electromagnetic interference shielding and thermal management. <i>Chemical Engineering Journal</i> , 2021 , 418, 129282	14.7	26
30	Combination effect of carbon nanofiber and ketjen carbon black hybrid nanofillers on mechanical, electrical, and electromagnetic interference shielding properties of chlorinated polyethylene nanocomposites. <i>Composites Part B: Engineering</i> , 2020 , 197, 108071	10	25
29	Preparation and properties of acrylonitrileButadiene rubber-graphene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	24
28	A comparative study on vulcanization behavior of acrylonitrile-butadiene rubber reinforced with graphene oxide and reduced graphene oxide as fillers. <i>Polymer Testing</i> , 2019 , 76, 127-137	4.5	22
27	Slipping of carbon nanotubes in a rubber matrix. <i>Polymer International</i> , 2011 , 60, 42-44	3.3	19
26	Effect of graphene on polar and nonpolar rubber matrices. <i>Mechanics of Advanced Materials and Modern Processes</i> , 2018 , 4,	2.2	16
25	Effect of plasticizer and curing system on freezing resistance of rubbers. <i>Journal of Applied Polymer Science</i> , 2014 , 131,	2.9	16

24	Properties and degradation of the gasket component of a proton exchange membrane fuel cell--a review. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7641-57	1.3	16
23	Effects of trans-polyoctylene rubber on rheological and green tensile properties of natural rubber/acrylonitrileButadiene rubber blends. <i>Polymer International</i> , 2002 , 51, 245-252	3.3	16
22	Wrinkled elastomers for the highly stretchable electrodes with excellent fatigue resistances. <i>Polymer Testing</i> , 2016 , 53, 329-337	4.5	13
21	Effects of curing systems on the mechanical and chemical ageing resistance properties of gasket compounds based on ethylene-propylene-diene-termonomer rubber in a simulated fuel cell environment. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 10627-10635	6.7	12
20	Influences of trans-polyoctylene rubber on the physical properties and phase morphology of natural rubber/acrylonitrileButadiene rubber blends. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 125-134	3.9	12
19	Thermally stable bromobutyl rubber with a high crosslinking density based on a 4,4'-bismaleimidodiphenylmethane curing agent. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	12
18	Cure characteristics and physico-mechanical properties of a conventional sulphur-cured natural rubber with a novel anti-reversion agent. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	9
17	Fabrication and performance of a donut-shaped generator based on dielectric elastomer. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	9
16	Mechanical and thermal properties of rubber composites reinforced by zinc methacrylate and carbon black. <i>Polymer Composites</i> , 2012 , 33, 1141-1153	3	9
15	Highly stretchable wrinkled electrode based on silver ink-elastomer nanocomposite with excellent fatigue resistance. <i>Polymer Composites</i> , 2020 , 41, 2210-2223	3	9
14	Synergistic effect of 4,4'-bis(maleimido) diphenylmethane and zinc oxide on the vulcanization behavior and thermo-mechanical properties of chlorinated isobutyleneIsoprene rubber. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 742-753	3.2	8
13	Enhancing the efficiency of zinc oxide vulcanization in brominated poly (isobutylene-co-isoprene) rubber using structurally different Bismaleimides. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	8
12	Electrical conductivity and electromagnetic interference shielding effectiveness of nano-structured carbon assisted poly(methyl methacrylate) nanocomposites. <i>Polymer Engineering and Science</i> , 2020 , 60, 2414-2427	2.3	8
11	Enhancing the dispersion and adhesion of short aramid fibers in bromo-isobutylene-isoprene rubber using maleated polybutadiene resin via co-vulcanization with 4, 4'-bis(maleimido)diphenylmethane. <i>Polymer Composites</i> , 2019 , 40, 2993-3004	3	7
10	Mechanical, morphological and thermal properties of short carbon and aramid fibres-filled bromo-isobutylene-isoprene rubber vulcanised with 4, 4'-bis(maleimido)diphenylmethane. <i>Plastics, Rubber and Composites</i> , 2019 , 48, 115-126	1.5	5
9	Effects of thermal aging on degradation mechanism of flame retardant-filled ethylenePropyleneDiene termonomer compounds. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	4
8	Effects of trans-polyoctylene rubber on rheological and green tensile properties of natural rubber/acrylonitrileButadiene rubber blends 2002 , 51, 245		3
7	Amphiphilic block co-polymer and silica reinforced epoxy composite with excellent toughness and delamination resistance for durable electronic packaging application. <i>Polymer</i> , 2022 , 245, 124679	3.9	3

6	Role of Carbon Black for Enhancing the Mechanical Properties of Short Aramid Fiber Reinforced Ethylene-Acrylic Rubber. <i>Fibers and Polymers</i> , 2020 , 21, 127-137	2	2
5	ENHANCING THE REVERSION RESISTANCE, CROSSLINKING DENSITY AND THERMO-MECHANICAL PROPERTIES OF ACCELERATED SULFUR CURED CHLOROBUTYL RUBBER USING 4,4'-BIS (MALEIMIDO) DIPHENYL METHANE. <i>Rubber Chemistry and Technology</i> ,	1.7	2
4	Laser-induced plasma emission spectra of halogens in the helium gas flow and pulsed jet. <i>Analytical Science and Technology</i> , 2013 , 26, 235-244		2
3	Large-Deformation Behavior of Honeycomb-Structured Polymer Sheets as a Function of Polar Angle. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 896-904	2.6	1
2	Poisson's Ratios of Honeycomb-Structured Polymer Sheets Under Large Deformation. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 2275-2280	2.6	
1	Thermal conductivity of graphene-polymer composites 2022 , 245-273		