

Gert Heinrich

List of Publications by Year in descending order

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263
papers

14,329
citations

17776

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30277

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times ranked

11173
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically conductive and piezoresistive polymer nanocomposites using multiwalled carbon nanotubes in a flexible copolyester: Spectroscopic, morphological, mechanical and electrical properties. <i>Nano Structures Nano Objects</i> , 2022, 29, 100806.	1.9	14
2	Moving least-squares aided finite element method (MLS-FEM): A powerful means to consider simultaneously velocity and pressure discontinuities of multi-phase flow fields. <i>Computers and Fluids</i> , 2022, 234, 105255.	1.3	1
3	Study of distributive mixing in a journal bearing flow geometry. <i>International Polymer Processing</i> , 2022, 37, 70-82.	0.3	0
4	Intrinsic modulus and strain coefficients in dilute composites with a Neo-Hookean elastic matrix. <i>Applications in Engineering Science</i> , 2022, , 100100.	0.5	0
5	Unusual low temperature relaxation behavior of crosslinked acrylonitrile-butadiene co-polymer. <i>Polymer</i> , 2021, 212, 123309.	1.8	9
6	Controlled Release of Metal Ion Cross-Linkers and Development of Self-Healable Epoxidized Natural Rubber. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1190-1202.	2.0	35
7	Designing Supertough and Ultrastretchable Liquid Metal-Embedded Natural Rubber Composites for Soft-Matter Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15610-15620.	4.0	21
8	Treasuring waste lignin as superior reinforcing filler in high cis-polybutadiene rubber: A direct comparative study with standard reinforcing silica and carbon black. <i>Journal of Cleaner Production</i> , 2021, 299, 126841.	4.6	25
9	Understanding the Coupling Effect between Lignin and Polybutadiene Elastomer. <i>Journal of Composites Science</i> , 2021, 5, 154.	1.4	9
10	An Improved Conservative Direct Re-Initialization Method (ICDR) for Two-Phase Flow Simulations. <i>Fluids</i> , 2021, 6, 261.	0.8	2
11	A New Route to Highly Stretchable and Soft Inorganic-Organic Hybrid Elastomers Using Polydimethylsiloxane as Crosslinker of Epoxidized Natural Rubber. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100380.	1.7	7
12	Polydimethylsiloxane based polyurethane and its composite with layered double hydroxide: Synthesis and its thermal properties. <i>Polymer Engineering and Science</i> , 2021, 61, 3163-3169.	1.5	1
13	Super-elastic ultrasoft natural rubber-based piezoresistive sensors for active sensing interface embedded on soft robotic actuator. <i>Applied Materials Today</i> , 2021, 25, 101219.	2.3	14
14	In-Situ Synchrotron X-ray Study on the Structure Variation of Morphology-Identified Injection-Molded I ² -Nucleated iPP under Tensile Deformation. <i>Polymers</i> , 2021, 13, 3730.	2.0	8
15	Phase changing stearate ions as active fillers in multifunctional carboxylated acrylonitrile-butadiene composite: Exploring the role of zinc stearate. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48271.	1.3	11
16	Poly(acrylonitrile-co-butadiene) as polymeric crosslinking accelerator for sulphur network formation. <i>Heliyon</i> , 2020, 6, e04659.	1.4	10
17	Robust Triboelectric Generators by All-In-One Commercial Rubbers. <i>ACS Applied Electronic Materials</i> , 2020, 2, 4054-4064.	2.0	16
18	Effect of Prestrain on the Actuation Characteristics of Dielectric Elastomers. <i>Polymers</i> , 2020, 12, 2694.	2.0	2

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19	Dry-Jet Wet Spinning of Thermally Stable Lignin-Textile Grade Polyacrylonitrile Fibers Regenerated from Chloride-Based Ionic Liquids Compounds. <i>Materials</i> , 2020, 13, 3687.	1.3	15
20	New observations regarding fatigue crack paths and their fracture surfaces in natural rubber: Influences of R-ratio and pre-load. <i>International Journal of Fatigue</i> , 2020, 135, 105508.	2.8	16
21	Friction, Abrasion and Crack Growth Behavior of In-Situ and Ex-Situ Silica Filled Rubber Composites. <i>Materials</i> , 2020, 13, 270.	1.3	13
22	Dispersion of graphite nanoplates in melt mixed PC/SAN polymer blends and its influence on rheological and electrical properties. <i>Polymer</i> , 2020, 200, 122577.	1.8	22
23	A Nonequilibrium Model for Particle Networking/Jamming and Time-Dependent Dynamic Rheology of Filled Polymers. <i>Polymers</i> , 2020, 12, 190.	2.0	9
24	In-Line Nanostructuring of Glass Fibres Using Different Carbon Allotropes for Structural Health Monitoring Application. <i>Fibers</i> , 2019, 7, 61.	1.8	2
25	Water-Responsive and Mechanically Adaptive Natural Rubber Composites by in Situ Modification of Mineral Filler Structures. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5168-5175.	1.2	20
26	Anisotropic and heterogeneous dynamics in stretched elastomer nanocomposites. <i>Soft Matter</i> , 2019, 15, 3796-3806.	1.2	9
27	Modeling and interpreting large deformation behavior of rubber nanocomposites containing carbon nanotubes and nanoplatelets. <i>Polymer Composites</i> , 2019, 40, E1548-E1558.	2.3	6
28	In Situ Polymorphic Alteration of Filler Structures for Biomimetic Mechanically Adaptive Elastomer Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16148-16159.	4.0	12
29	Influence of nucleating agent self-assembly on structural evolution of isotactic polypropylene during uniaxial stretching. <i>Polymer</i> , 2018, 138, 329-342.	1.8	29
30	Entrapped Styrene Butadiene Polymer Chains by Sol-Gel-Derived Silica Nanoparticles with Hierarchical Raspberry Structures. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2010-2022.	1.2	10
31	Electron-induced reactive processing of polyamide 6/polypropylene blends: Morphology and properties. <i>European Polymer Journal</i> , 2018, 98, 295-301.	2.6	17
32	Influence of electron-induced reactive processing on structure, morphology and nano-mechanical properties of polyamide 6/fluoroelastomer blends. <i>Polymer</i> , 2018, 142, 394-402.	1.8	14
33	Exploring the synergistic effect of short jute fiber and nanoclay on the mechanical, dynamic mechanical and thermal properties of natural rubber composites. <i>Polymer Testing</i> , 2018, 67, 487-493.	2.3	65
34	The Effect of Exfoliated Graphite on the Thermal and Mechanical Properties of Dynamically Vulcanized Polystyrene/Styrene Butadiene Rubber Composites. <i>Journal of Engineering Materials and Technology</i> , <i>Transactions of the ASME</i> , 2018, 140, .	0.8	3
35	Electrical and melt rheological characterization of PC and co-continuous PC/SAN blends filled with CNTs: Relationship between melt-mixing parameters, filler dispersion, and filler aspect ratio. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 79-88.	2.4	29
36	Blending In Situ Polyurethane-Urea with Different Kinds of Rubber: Performance and Compatibility Aspects. <i>Materials</i> , 2018, 11, 2175.	1.3	11

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37	Viscoelastic and self-healing behavior of silica filled ionically modified poly(isobutylene- <i>co</i> -isoprene) rubber. RSC Advances, 2018, 8, 26793-26803.	1.7	36
38	Application of local least squares finite element method (LLSFEM) in the interface capturing of two-phase flow systems. Computers and Fluids, 2018, 174, 110-121.	1.3	9
39	Online Structural-Health Monitoring of Glass Fiber-Reinforced Thermoplastics Using Different Carbon Allotropes in the Interphase. Materials, 2018, 11, 1075.	1.3	5
40	High-performance elastomeric strain sensors based on nanostructured carbon fillers for potential tire applications. Materials Today Communications, 2018, 14, 240-248.	0.9	24
41	TIME AND TEMPERATURE DEPENDENT PIEZORESISTIVE BEHAVIOR OF CONDUCTIVE ELASTOMERIC COMPOSITES. Rubber Chemistry and Technology, 2018, 91, 651-667.	0.6	12
42	Strong Strain Sensing Performance of Natural Rubber Nanocomposites. ACS Applied Materials & Interfaces, 2017, 9, 4860-4872.	4.0	125
43	Variable structural colouration of composite interphases. Materials Horizons, 2017, 4, 389-395.	6.4	16
44	Toughened Unsaturated Polyester Composites Reinforced with Slag Material. Polymer-Plastics Technology and Engineering, 2017, 56, 1657-1664.	1.9	8
45	Benefits of hybrid nano-filler networking between organically modified Montmorillonite and carbon nanotubes in natural rubber: Experiments and theoretical interpretations. Applied Clay Science, 2017, 136, 192-198.	2.6	17
46	Development of highly reinforced acrylonitrile butadiene rubber composites via controlled loading of sol-gel titania. Polymer, 2017, 109, 25-37.	1.8	19
47	Assessment of the dynamic behavior of a new generation of complex natural rubber-based systems intended for seismic base isolation. Journal of Elastomers and Plastics, 2017, 49, 595-608.	0.7	2
48	Temperature-Dependent Reinforcement of Hydrophilic Rubber Using Ice Crystals. ACS Omega, 2017, 2, 363-371.	1.6	9
49	Filler Wetting in Miscible ESBR/SSBR Blends and Its Effect on Mechanical Properties. Macromolecular Materials and Engineering, 2016, 301, 414-422.	1.7	8
50	Crosslinked Continuous Glass Fiber-Reinforced Toughened Polypropylene Composites. Advanced Engineering Materials, 2016, 18, 409-416.	1.6	14
51	Melt spun matrix fibers of toughened polypropylene copolymers modified by high energy electrons. Journal of Applied Polymer Science, 2016, 133, .	1.3	3
52	Process induced morphology of irradiated HD-PE. AIP Conference Proceedings, 2016, , .	0.3	0
53	Influence of molecular structure of blend components on the performance of thermoplastic vulcanisates prepared by electron induced reactive processing. Polymer, 2016, 91, 203-210.	1.8	24
54	Rheological, morphological and mechanical investigations on ethylene octene copolymer toughened polypropylene prepared by continuous electron induced reactive processing. RSC Advances, 2016, 6, 24651-24660.	1.7	29

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55	Controlling micro- and nanofibrillar morphology of polymer blends in low-speed melt spinning process. Part II: Influences of extrusion rate on morphological changes of a PLA/PVA blend through a capillary die. Journal of Applied Polymer Science, 2016, 133, .	1.3	3
56	Utilization of cellulose based agro-waste as reinforcement for unsaturated polyester composites. International Journal of Plastics Technology, 2016, 20, 203-218.	2.9	2
57	Controlling micro- and nanofibrillar morphology of polymer blends in low-speed melt spinning process. Part I. Profiles of PLA/PVA-filament parameters along the spinline. Journal of Applied Polymer Science, 2016, 133, .	1.3	6
58	Design and properties of high-performance polyamide 6/fluoroelastomer blends by electron-induced reactive processing. European Polymer Journal, 2016, 85, 508-518.	2.6	15
59	A noble additive cum compatibilizer for dispersion of nanoclay into ethylene octene elastomer. Applied Clay Science, 2016, 126, 41-49.	2.6	8
60	An Investigation on Compatibilization Threshold in the Interface of Polypropylene/Poly(lactic Acid) Blends Using Rheological Studies. Journal of Vinyl and Additive Technology, 2016, 22, 19-28.	1.8	21
61	Piezoresistive natural rubber-multiwall carbon nanotube nanocomposite for sensor applications. Sensors and Actuators A: Physical, 2016, 239, 102-113.	2.0	109
62	Strain sensing, electrical and mechanical properties of polycarbonate/multiwall carbon nanotube monofilament fibers fabricated by melt spinning. Polymer, 2016, 82, 181-189.	1.8	110
63	Uncertain natural frequency analysis of composite plates including effect of noise – A polynomial neural network approach. Composite Structures, 2016, 143, 130-142.	3.1	89
64	Effect of phosphorus-containing inorganic-organic hybrid coating on the flammability of cotton fabrics: Synthesis, characterization and flammability. Chemical Engineering Journal, 2016, 294, 167-175.	6.6	108
65	Fire-safe and environmentally friendly nanocomposites based on layered double hydroxides and ethylene propylene diene elastomer. RSC Advances, 2016, 6, 26425-26436.	1.7	29
66	Exploring the role of stearic acid in modified zinc aluminum layered double hydroxides and their acrylonitrile butadiene rubber nanocomposites. Journal of Applied Polymer Science, 2015, 132, .	1.3	3
67	Water Vapor Sensing by Carbon Nanoparticle –Skin. Advanced Materials Interfaces, 2015, 2, 1500244.	1.9	7
68	Wood-Like Material from Thermoplastic Polymer and Landfill Bio-Materials: Dma, Tga and Solvent Resistance Properties. Polymers From Renewable Resources, 2015, 6, 25-41.	0.8	0
69	Adjusting the mechanical behavior of embroidered scaffolds to lapin anterior cruciate ligaments by varying the thread materials. Textile Research Journal, 2015, 85, 1431-1444.	1.1	19
70	Towards Quantifying Interfacial Adhesion in the Ternary Blends with Matrix/Shell/Core-Type Morphology. Polymer-Plastics Technology and Engineering, 2015, 54, 223-232.	1.9	10
71	Stress and strain amplification in a dilute suspension of spherical particles based on a Bird-Carreau model. Journal of Non-Newtonian Fluid Mechanics, 2015, 221, 95-102.	1.0	23
72	On O ₂ gas permeability of PP/PLA/clay nanocomposites: A molecular dynamic simulation approach. Polymer Testing, 2015, 45, 139-151.	2.3	44

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73	Kinetics of strain-induced crystallization in natural rubber: A diffusion-controlled rate law. <i>Polymer</i> , 2015, 72, 52-58.	1.8	37
74	Fine tuning of the dynamic mechanical properties of natural rubber/carbon nanotube nanocomposites by organically modified montmorillonite: A first step in obtaining high-performance damping material suitable for seismic application. <i>Applied Clay Science</i> , 2015, 118, 99-106.	2.6	34
75	In depth analysis of micro-mechanism of mechanical property alternations in PLA/EVA/clay nanocomposites: A combined theoretical and experimental approach. <i>Materials and Design</i> , 2015, 88, 1277-1289.	3.3	54
76	Construction of an Interconnected Nanostructured Carbon Black Network: Development of Highly Stretchable and Robust Elastomeric Conductors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21723-21731.	1.5	68
77	Comparative study of the synergistic effect of binary and ternary LDH with intumescent flame retardant on the properties of polypropylene composites. <i>RSC Advances</i> , 2015, 5, 78979-78985.	1.7	63
78	Ionic Modification Turns Commercial Rubber into a Self-Healing Material. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20623-20630.	4.0	244
79	Rubber composites based on silane-treated silica and nitrile rubber. <i>Journal of Elastomers and Plastics</i> , 2015, 47, 248-261.	0.7	55
80	Wood-Like Material from Thermoplastic Polymer and Landfill Bio-Materials: Water Absorption, Thermal and Morphological Studies. <i>Polymers From Renewable Resources</i> , 2014, 5, 29-45.	0.8	1
81	A Single Glass Fiber with Ultrathin Layer of Carbon Nanotube Networks Beneficial to In-Situ Monitoring of Polymer Properties in Composite Interphases. <i>Soft Materials</i> , 2014, 12, S115-S120.	0.8	22
82	Dynamic behavior of short aramid fiber-filled elastomer composites. <i>Polymer Engineering and Science</i> , 2014, 54, 2958-2964.	1.5	13
83	Melt Spinning of Biodegradable Nanofibrillary Structures from Poly(lactic acid) and Poly(vinyl) Tj ETQq1 1 0.784314 1.7 30	1.7	30
84	Mechanical properties of magneto-sensitive elastomers: unification of the continuum-mechanics and microscopic theoretical approaches. <i>Soft Matter</i> , 2014, 10, 2213-2225.	1.2	92
85	Experimental clues of soft glassy rheology in strained filled elastomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 647-656.	2.4	13
86	Up-Scaling of Melt-Spun LDH/HDPE Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 825-833.	1.7	6
87	Bio-Based Fillers. , 2014, , 1-4.		1
88	Layered Double Hydroxide (LDH)-Based Rubber Nanocomposites. , 2014, , 1-7.		0
89	Magnetorheological Elastomers. , 2014, , 1-8.		1
90	Graphene-Rubber Nanocomposites. , 2014, , 1-5.		1

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91	Crystallization and melting behavior of poly (ethylene succinate) in presence of graphene nanoplatelets. <i>Thermochimica Acta</i> , 2014, 586, 17-24.	1.2	22
92	Stabilization of polypropylene using dye modified layered double hydroxides. <i>Polymer Degradation and Stability</i> , 2014, 102, 9-14.	2.7	23
93	Advances in layered double hydroxide (LDH)-based elastomer composites. <i>Progress in Polymer Science</i> , 2014, 39, 594-626.	11.8	213
94	High performance natural rubber composites with a hierarchical reinforcement structure of carbon nanotube modified natural fibers. <i>Materials & Design</i> , 2014, 58, 1-11.	5.1	129
95	Effect of Non-scp>R</scp>ubber Components of <scp>NR</scp> on the Carbon Nanotube (<scp>CNT</scp>) Localization in <scp>SBR</scp>/<scp>NR</scp> Blends. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 569-582.	1.7	23
96	Effects of LDH synthesis and modification on the exfoliation and introduction of a robust anion-exchange procedure. <i>Chemical Engineering Journal</i> , 2014, 243, 394-404.	6.6	14
97	An electrochemical method for the synthesis of few layer graphene sheets for high temperature applications. <i>Chemical Communications</i> , 2014, 50, 4613.	2.2	36
98	Preparation of melt-spun antimicrobially modified LDH/polyolefin nanocomposite fibers. <i>Materials Science and Engineering C</i> , 2014, 41, 8-16.	3.8	15
99	Nano-scale morphological analysis of graphene-rubber composites using 3D transmission electron microscopy. <i>RSC Advances</i> , 2014, 4, 9300-9307.	1.7	24
100	Advancing Towards Polyurethane-Based Magnetorheological Composites. <i>Advanced Engineering Materials</i> , 2014, 16, 1270-1275.	1.6	14
101	Morphology development from rod-like to nanofibrillar structures of dispersed poly (lactic acid) phase in a binary blend with poly (vinyl Alcohol) matrix along the spinline. <i>Polymer</i> , 2014, 55, 6354-6363.	1.8	22
102	The role of linked phospholipids in the rubber-filler interaction in carbon nanotube (CNT) filled natural rubber (NR) composites. <i>Polymer</i> , 2014, 55, 4738-4747.	1.8	60
103	Influence of the MWCNT surface functionalization on the thermoelectric properties of melt-mixed polycarbonate composites. <i>Composites Science and Technology</i> , 2014, 101, 133-138.	3.8	94
104	Carbon Nanotubes Rubber Composites. , 2014, , 1-6.		1
105	Influence of a cyclic butylene terephthalate oligomer on the processability and thermoelectric properties of polycarbonate/MWCNT nanocomposites. <i>Polymer</i> , 2014, 55, 5381-5388.	1.8	68
106	Evidence for an in Situ Developed Polymer Phase in Ionic Elastomers. <i>Macromolecules</i> , 2014, 47, 3436-3450.	2.2	79
107	Multiscale Approach to Dynamic-Mechanical Analysis of Unfilled Rubbers. <i>Macromolecules</i> , 2014, 47, 4813-4823.	2.2	35
108	Toward In Situ Compatibilization of Polyolefin Ternary Blends through Morphological Manipulations. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1197-1212.	1.7	25

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109	On the reliability of existing theoretical models in anticipating type of morphology and domain size in HDPE/PA-6/EVOH ternary blends. <i>European Polymer Journal</i> , 2014, 53, 1-12.	2.6	34
110	Bio-based semi-aromatic polyamide/functional clay nanocomposites: preparation and properties. <i>RSC Advances</i> , 2014, 4, 23420.	1.7	22
111	Electrostatic Discharging Behaviour of Polycarbonate Parts Made by Process-Integrated Surface Modification. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1395-1402.	1.7	2
112	Effect of silane integrated sol-gel derived <i>in situ</i> silica on the properties of nitrile rubber. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	18
113	Rubber Nanocomposites. , 2014, , 1-5.		1
114	Dynamic and Transient Shear Start-Up Flow Experiments for Analyzing Nanoclay Localization in PP/PET Blends: Correlation with Microstructure. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 113-126.	1.7	21
115	Influence of expanded clay on the microstructure and fatigue crack growth behavior of carbon black filled NR composites. <i>Composites Science and Technology</i> , 2013, 76, 61-68.	3.8	57
116	In-Situ Structural Characterization of Rubber during Deformation and Fracture. <i>Lecture Notes in Applied and Computational Mechanics</i> , 2013, , 43-80.	2.0	10
117	A New Approach to Reducing the Flammability of Layered Double Hydroxide (LDH)-Based Polymer Composites: Preparation and Characterization of Dye Structure-Intercalated LDH and Its Effect on the Flammability of Polypropylene-Grafted Maleic Anhydride/d-LDH Composites. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8991-8997.	4.0	104
118	Melt-spinning of LDH/HDPE nanocomposites. <i>Polymer</i> , 2013, 54, 5712-5718.	1.8	24
119	Poly(ethylene succinate)/single-walled carbon nanotube composites: a study on crystallization. <i>Polymer Bulletin</i> , 2013, 70, 3463-3474.	1.7	19
120	Selective Wetting and Localization of Silica in Binary and Ternary Blends Based on Styrene Butadiene Rubber, Butadiene Rubber, and Natural Rubber. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 1085-1099.	1.7	17
121	A morphological study on the dispersion and selective localization behavior of graphene nanoplatelets in immiscible polymer blends of APC and SAN. <i>Polymer</i> , 2013, 54, 5875-5882.	1.8	66
122	Synthesis, characterization and properties of novel aliphatic-aromatic polyamide/functional carbon nanotube nanocomposites via <i>in situ</i> polymerization. <i>RSC Advances</i> , 2013, 3, 20738.	1.7	40
123	Influence of the viscosity ratio in PC/SAN blends filled with MWCNTs on the morphological, electrical, and melt rheological properties. <i>Polymer</i> , 2013, 54, 6801-6808.	1.8	102
124	Fusion level optimization of rigid PVC nanocompounds by using response surface methodology. <i>Journal of Vinyl and Additive Technology</i> , 2013, 19, 168-176.	1.8	14
125	Additive free thermoplastic vulcanizates based on natural rubber. <i>Materials Chemistry and Physics</i> , 2013, 143, 360-366.	2.0	17
126	Strain-induced crystallization around a crack tip in natural rubber under dynamic load. <i>Polymer</i> , 2013, 54, 6200-6205.	1.8	53

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127	Improved oxidation resistance of conducting polychloroprene composites. <i>Composites Science and Technology</i> , 2013, 74, 14-19.	3.8	20
128	Synthesis of aromatic α -aliphatic polyamide acting as adjuvant in polylactic acid (PLA)/ammonium polyphosphate (APP) system. <i>Polymer Degradation and Stability</i> , 2013, 98, 1036-1042.	2.7	61
129	Monte Carlo Simulation of Ester Exchange Reactions in PET/PEN Blends. <i>Macromolecular Theory and Simulations</i> , 2013, 22, 207-216.	0.6	7
130	Antioxidant intercalated layered double hydroxides: a new multifunctional nanofiller for polymers. <i>RSC Advances</i> , 2013, 3, 1495-1501.	1.7	34
131	Networking of ionic liquid modified CNTs in SSBR. <i>European Polymer Journal</i> , 2013, 49, 345-352.	2.6	56
132	Understanding the reinforcing behavior of expanded clay particles in natural rubber compounds. <i>Soft Matter</i> , 2013, 9, 3798.	1.2	90
133	Nanohybrids of phenolic antioxidant intercalated into MgAl-layered double hydroxide clay. <i>Applied Clay Science</i> , 2013, 71, 8-14.	2.6	40
134	Influence of processing on morphology in short aramid fiber reinforced elastomer compounds. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1682-1690.	1.3	24
135	Non-isothermal crystallization behavior of PLA/LLDPE/nanoclay hybrid: Synergistic role of LLDPE and clay. <i>Thermochimica Acta</i> , 2013, 565, 102-113.	1.2	51
136	Polypropylene/natural rubber thermoplastic vulcanizates by eco-friendly and sustainable electron induced reactive processing. <i>Radiation Physics and Chemistry</i> , 2013, 88, 74-81.	1.4	26
137	PANI-LDH prepared by polymerization α adsorption method and processing to conductive compounds. <i>Applied Clay Science</i> , 2013, 72, 91-95.	2.6	20
138	Efficiency of high energy electrons to produce polypropylene/natural rubber α -based thermoplastic elastomer. <i>Polymer Engineering and Science</i> , 2013, 53, 1696-1705.	1.5	10
139	On nanoclay localization in polypropylene/poly(ethylene terephthalate) blends: Correlation with thermal and mechanical properties. <i>Materials & Design</i> , 2013, 45, 110-117.	5.1	37
140	Effect of clay type and polymer matrix on microstructure and tensile properties of PLA/LLDPE/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 130, 749-758.	1.3	22
141	Effect of the nanoclay types on the rheological response of unsaturated polyester α -clay nanocomposites. <i>Polymer Engineering and Science</i> , 2013, 53, 809-817.	1.5	8
142	ELASTOMER COMPOSITES BASED ON CARBON NANOTUBES AND IONIC LIQUID. <i>Rubber Chemistry and Technology</i> , 2013, 86, 367-400.	0.6	40
143	Cure Kinetics of Epoxy Nanocomposites Affected by MWCNTs Functionalization: A Review. <i>Scientific World Journal</i> , The, 2013, 2013, 1-14.	0.8	66
144	Electron-induced reactive processing of thermoplastic vulcanizate based on polypropylene and ethylene propylene diene terpolymer rubber. <i>Polymer Journal</i> , 2012, 44, 439-448.	1.3	26

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145	Kinetics of Strain-Induced Crystallization in Natural Rubber Studied by WAXD: Dynamic and Impact Tensile Experiments. <i>Macromolecules</i> , 2012, 45, 7914-7919.	2.2	118
146	Method for Simultaneously Improving the Thermal Stability and Mechanical Properties of Poly(lactic acid)/Poly(ethylene terephthalate) Overlaid with PLA/MMT Nanocomposites. <i>Langmuir</i> , 2012, 28, 12601-12608.	1.6	42
147	Multiple Shape-Memory Behavior of Polyethylene/Polycyclooctene Blends Cross-Linked by Electron Irradiation. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 1225-1234.	1.7	29
148	Effect of sol-gel derived in situ silica on the morphology and mechanical behavior of natural rubber and acrylonitrile butadiene rubber blends. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 501-509.	1.1	24
149	Pre-intercalation of long chain fatty acid in the interlayer space of layered silicates and preparation of montmorillonite/natural rubber nanocomposites. <i>Applied Clay Science</i> , 2012, 67-68, 50-56.	2.6	34
150	Self photostabilizing UV-durable MWCNT/polymer nanocomposites. <i>RSC Advances</i> , 2012, 2, 12255.	1.7	32
151	XPCS Investigation of the Dynamics of Filler Particles in Stretched Filled Elastomers. <i>Macromolecules</i> , 2012, 45, 8691-8701.	2.2	44
152	Structural characteristics and flammability of fire retarding EPDM/layered double hydroxide (LDH) nanocomposites. <i>RSC Advances</i> , 2012, 2, 3927.	1.7	91
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