

Mir Hamid Reza Ghoreishy

List of Publications by Year in descending order

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331538

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#	ARTICLE	IF	CITATIONS
1	Modeling the hyperviscoelastic and stress-softening behaviors of S-SBR/CB-filled rubber compound using a multicomponent model. <i>Mechanics of Time-Dependent Materials</i> , 2023, 27, 805-828.	2.3	1
2	Effect of Organoclay Addition on Rheological, Thermal, and Mechanical Properties of Nitrile Rubber/Phenolic Resin Blend. <i>Polymers</i> , 2022, 14, 1463.	2.0	1
3	Enhancement of mechanical properties of styrene-butadiene rubber composites by carbon black/silicone carbide hybrid filler networking. <i>Polymer Composites</i> , 2022, 43, 4255-4267.	2.3	9
4	Modeling of nonlinear hyper-viscoelastic and stress softening behaviors of acrylonitrile butadiene rubber/polyvinyl chloride nanocomposites reinforced by nanoclay and graphene. <i>Polymer Composites</i> , 2021, 42, 583-596.	2.3	20
5	Surface modification of oxidized carbon fibers by grafting bis(triethoxysilylpropyl) tetrasulfide (TESPT) and rubber sizing agent : Application to short carbon fibers/SBR composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 141, 106201.	3.8	21
6	Development of a bubble growth model for natural rubber-based foams. <i>Polymer Engineering and Science</i> , 2021, 61, 477-488.	1.5	4
7	Nonlinear stress relaxation of filled rubber compounds: A new theoretical model and experimental investigation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49884.	1.3	6
8	Investigation of rheological, mechanical, and thermal properties of nanocomposites based on nitrile rubber-phenolic resin reinforced with nanographene. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50906.	1.3	4
9	Naturally occurring halloysite nanotubes for enhanced durability of natural rubber/ethylene propylene diene monomer rubber vulcanizate. <i>Journal of Vinyl and Additive Technology</i> , 2021, 27, 855-867.	1.8	5
10	Investigation on viscoelastic behavior of virgin EPDM/ reclaimed rubber blends using Generalized Maxwell Model (GMM). <i>Polymer Testing</i> , 2021, 93, 106989.	2.3	17
11	Investigation on the kinetics of cure reaction of acrylonitrile-butadiene rubber (NBR)/polyvinyl chloride (PVC)/graphene nanocomposite using various models. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48632.	1.3	25
12	A multi-scale three-dimensional finite element analysis of polymeric rubber foam reinforced by carbon nanotubes under tensile loads. <i>Iranian Polymer Journal (English Edition)</i> , 2019, 28, 135-144.	1.3	4
13	Nano Graphene-Reinforced Bio-nanocomposites Based on NR/PLA: The Morphological, Thermal and Rheological Perspective. <i>Journal of Polymers and the Environment</i> , 2019, 27, 1529-1541.	2.4	16
14	Thermoplastic vulcanizate nanocomposites based on polyethylene/reclaimed rubber: A correlation between carbon nanotube dispersion state and electrical percolation threshold. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47795.	1.3	16
15	Effects of two types of nanoparticles on the cure, rheological, and mechanical properties of rubber nanocomposites based on the NBR/PVC blends. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47550.	1.3	36
16	Study of morphology and mechanical properties of PP/EPDM/clay nanocomposites prepared using twin-screw extruder and friction stir process. <i>Polymer Composites</i> , 2019, 40, 3306-3314.	2.3	11
17	Computer simulation of tire rolling resistance using finite element method: Effect of linear and nonlinear viscoelastic models. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019, 233, 2746-2760.	1.1	18
18	Enhancement of mechanical, thermal and morphological properties of compatibilized graphene reinforced dynamically vulcanized thermoplastic elastomer vulcanizates based on polyethylene and reclaimed rubber. <i>Composites Science and Technology</i> , 2018, 161, 57-65.	3.8	31

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19	Multiscale modeling of polymer systems comprising nanotube-like inclusions by considering interfacial debonding under plastic deformations. <i>Composite Structures</i> , 2018, 194, 302-315.	3.1	6
20	Microstructure, mechanical, and rheological properties of natural rubber/ethylene propylene diene monomer nanocomposites reinforced by multi-wall carbon nanotubes. <i>Polymer Composites</i> , 2018, 39, E745.	2.3	13
21	Thermo-mechanical coupled finite element simulation of tire cornering characteristics—Effect of complex material models and friction law. <i>Mathematics and Computers in Simulation</i> , 2018, 144, 35-51.	2.4	17
22	Effect of carbon nanotube on PA6/ECO composites: Morphology development, rheological, and thermal properties. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45977.	1.3	15
23	Development of a new combined numerical/experimental approach for the modeling of the nonlinear hyper-viscoelastic behavior of highly carbon black filled rubber compound. <i>Polymer Testing</i> , 2018, 70, 135-143.	2.3	20
24	Essential work of fracture and failure mechanisms in dynamically vulcanized thermoplastic elastomer nanocomposites based on PA6/NBR/XNBR-grafted HNTs. <i>Engineering Fracture Mechanics</i> , 2018, 200, 251-262.	2.0	25
25	Microstructure and mechanical properties of thermoplastic elastomer nanocomposites based on PA6/NBR/HNT. <i>Polymer Composites</i> , 2017, 38, E451.	2.3	32
26	Hyperelastic model analysis of stress-strain behavior in polybutadiene/ethylene-propylene diene terpolymer nanocomposites. <i>Journal of Vinyl and Additive Technology</i> , 2017, 23, 21-27.	1.8	5
27	Fracture toughness and deformation mechanism of un-vulcanized and dynamically vulcanized polypropylene/ethylene propylene diene monomer/graphene nanocomposites. <i>Composites Science and Technology</i> , 2017, 141, 83-98.	3.8	40
28	Microstructure and Mechanical Properties of Nanocomposite Based on Polypropylene/Ethylene Propylene Diene Monomer/Graphene. <i>International Polymer Processing</i> , 2017, 32, 72-83.	0.3	9
29	Electrical and thermal properties of a thermoplastic elastomer nanocomposite based on polypropylene/ethylene propylene diene monomer/graphene. <i>Soft Materials</i> , 2017, 15, 82-94.	0.8	12
30	Prediction of mechanical and fracture properties of rubber composites by microstructural modeling of polymer-filler interfacial effects. <i>Materials and Design</i> , 2017, 115, 348-354.	3.3	21
31	Effect of Different Types of Nano-particles on the Morphology and Mechanical Properties of EPDM Foam. <i>Frontiers in Forests and Global Change</i> , 2017, 36, 113-134.	0.6	8
32	Effect of halloysite nanotube on microstructure, rheological and mechanical properties of dynamically vulcanized PA6/NBR thermoplastic vulcanizates. <i>Soft Materials</i> , 2016, 14, 127-139.	0.8	20
33	An investigation into the thermal transport properties of PP/EPDM/clay nanocomposites using a new combined experimental/numerical method. <i>Plastics, Rubber and Composites</i> , 2016, 45, 229-237.	0.9	6
34	Mechanical properties development of high-ACN nitrile-butadiene rubber/organoclay nanocomposites. <i>Plastics, Rubber and Composites</i> , 2016, 45, 389-397.	0.9	18
35	XNBR-grafted halloysite nanotube core-shell as a potential compatibilizer for immiscible polymer systems. <i>Applied Surface Science</i> , 2016, 382, 63-72.	3.1	44
36	Effect of modified single-wall carbon nanotubes on mechanical and morphological properties of thermoplastic elastomer nanocomposites based on (polyamide 6)/(acrylonitrile butadiene rubber). <i>Journal of Vinyl and Additive Technology</i> , 2016, 22, 336-341.	1.8	9

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37	Dynamically vulcanized polypropylene/ethylene-propylene diene monomer/organoclay nanocomposites: Effect of mixing sequence on structural, rheological, and mechanical properties. <i>Journal of Vinyl and Additive Technology</i> , 2016, 22, 320-325.	1.8	6
38	A state-of-the-art review on the mathematical modeling and computer simulation of rubber vulcanization process. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 89-109.	1.3	34
39	Development of an optimized thermal cure cycle for a complex-shape composite part using a coupled finite element/genetic algorithm technique. <i>Iranian Polymer Journal (English Edition)</i> , 2015, 24, 459-469.	1.3	21
40	An experimental investigation on the degradation effect of ozone on hyperelastic behavior of an NR/BR blend. <i>Iranian Polymer Journal (English Edition)</i> , 2015, 24, 1015-1024.	1.3	2
41	Parameter determination and experimental verification of Bergström-Boycce hysteresis model for rubber compounds reinforced by carbon black blends. <i>Materials & Design</i> , 2014, 53, 457-465.	5.1	21
42	Development of a 2D Single Particle Model to Analyze the Effect of Initial Particle Shape and Breakage in Olefin Polymerization. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 29-45.	0.9	7
43	The prediction capability of the kinetic models extracted from isothermal data in non-isothermal conditions for an epoxy prepreg. <i>Journal of Composite Materials</i> , 2014, 48, 1039-1048.	1.2	8
44	Morphology and dynamic-mechanical properties of PVC/NBR blends reinforced with two types of nanoparticles. <i>Journal of Composite Materials</i> , 2014, 48, 131-141.	1.2	30
45	Effects of nanoclay and short nylon fiber on morphology and mechanical properties of nanocomposites based on NR/SBR. <i>Fibers and Polymers</i> , 2014, 15, 814-822.	1.1	21
46	Modeling the hyperviscoelastic behavior of a tire tread compound reinforced by silica and carbon black. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1725-1731.	1.3	25
47	Effect of nanoclay content and matrix composition on properties and stress-strain behavior of NR/EPDM nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1275-1284.	1.3	36
48	Modification of Theoretical models to predict mechanical behavior of PVC/NBR/organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3229-3239.	1.3	31
49	Non-isothermal Modeling of a Newtonian Fluid Flow in a Twin Screw Extruder Using the Fictitious Domain Method. <i>Macromolecular Theory and Simulations</i> , 2013, 22, 462-474.	0.6	18
50	Advanced integral isoconversional analysis for evaluating and predicting the kinetic parameters of the curing reaction of epoxy prepreg. <i>Thermochimica Acta</i> , 2013, 557, 37-43.	1.2	35
51	ELASTOMER NANOCOMPOSITES BASED ON BR/EPDM/ORGANOCLAY. <i>Rubber Chemistry and Technology</i> , 2013, 86, 299-312.	0.6	6
52	Effect of cure kinetic simulation model on optimized thermal cure cycle for thin-sectioned composite parts. <i>Polymer Composites</i> , 2013, 34, 1172-1179.	2.3	12
53	Nanocomposites Based on NR/SBR: Effects of Nanoclay and Short Nylon Fibers on the Cure Characteristics and Thermal Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 1016-1024.	1.9	10
54	OPTIMIZATION OF THE VULCANIZATION PROCESS OF A THICK RUBBER ARTICLE USING AN ADVANCED COMPUTER SIMULATION TECHNIQUE. <i>Rubber Chemistry and Technology</i> , 2012, 85, 576-589.	0.6	22

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55	The Effects of Silica/Carbon Black Ratio on the Dynamic Properties of the Tread compounds in Truck Tires. E-Journal of Chemistry, 2012, 9, 1102-1112.	0.4	45
56	Vulcanization kinetics of butyl rubber-clay nanocomposites and its dependence on clay microstructure. Journal of Applied Polymer Science, 2012, 125, E204.	1.3	28
57	Finite element modeling of the flow of a rubber compound through an axisymmetric die using the CEF viscoelastic constitutive equation. Journal of Applied Polymer Science, 2012, 125, 3648-3657.	1.3	1
58	Effect of single-walled carbon nanotubes on morphology and mechanical properties of NBR/PVC blends. Iranian Polymer Journal (English Edition), 2012, 21, 505-511.	1.3	22
59	Determination of the parameters of the Prony series in hyper-viscoelastic material models using the finite element method. Materials & Design, 2012, 35, 791-797.	5.1	103
60	Chemical and physical properties of self-crosslinked poly(vinyl chloride)/nitrile rubber nanocomposites prepared by melt-mixing process. Journal of Polymer Engineering, 2011, 31, .	0.6	15
61	Investigation of combination of finite element formulation and element type on the accuracy of 3D modeling of polymeric fluid flow in an extrusion die. Journal of Applied Polymer Science, 2011, 120, 1607-1615.	1.3	2
62	Thermal properties and morphology of isotactic polypropylene/acrylonitrile-butadiene rubber blends in the presence and absence of a nanoclay. Journal of Applied Polymer Science, 2011, 121, 1365-1371.	1.3	8
63	Microstructural Evolution of PP/EPDM/Organoclay Nanocomposites in a Twin Screw Extruder. International Polymer Processing, 2011, 26, 212-218.	0.3	4
64	Modelling of polymer fluid flow and residence time distribution in twin screw extruder using fictitious domain method. Plastics, Rubber and Composites, 2011, 40, 387-396.	0.9	10
65	PP/EPDM Blends and their Developments up to Nanocomposites. Journal of Reinforced Plastics and Composites, 2009, 28, 613-639.	1.6	18
66	Development of an advanced computer simulation technique for the modeling of rubber curing process. Computational Materials Science, 2009, 47, 539-547.	1.4	52
67	Oxidative coupling of methane in a fixed bed reactor over perovskite catalyst: A simulation study using experimental kinetic model. Journal of Natural Gas Chemistry, 2008, 17, 8-16.	1.8	33
68	Comparative Study on the Kinetic Modeling of the Oxidative Coupling of Methane in Laboratory and Bench Scales. Chemical Product and Process Modeling, 2008, 3, .	0.5	3
69	An experimental kinetic model for the oxidative coupling of methane using a bench-scale reactor. Asia-Pacific Journal of Chemical Engineering, 2008, 3, 202-210.	0.8	9
70	Finite Element Modelling of Flow Through a Porous Medium Between Two Parallel Plates Using The Brinkman Equation. Transport in Porous Media, 2006, 63, 71-90.	1.2	56
71	Finite element analysis of steady rolling tyre with slip angle: effect of belt angle. Plastics, Rubber and Composites, 2006, 35, 83-90.	0.9	12
72	Finite element analysis of a thermoplastic elastomer melt flow in the metering region of a single screw extruder. Computational Materials Science, 2005, 34, 389-396.	1.4	34

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73	Numerical Analysis of Rubber Moulding Using Finite Element Modelling. International Polymer Processing, 2005, 20, 238-244.	0.3	2
74	Modeling the Flow in the Metering Zone of Single Screw Extruders Using a Helical Geometry Model. International Polymer Processing, 2004, 19, 95-100.	0.3	1
75	Finite element analysis of thermoplastic melts flow through the metering and die regions of single screw extruders. Journal of Applied Polymer Science, 1999, 74, 676-689.	1.3	14
76	Finite Element Analysis of Mixing in Partially Filled Twin Blade Internal Mixers. International Polymer Processing, 1998, 13, 231-238.	0.3	6
77	Simulation of Free Surface Flow in Partially Filled Internal Mixers. International Polymer Processing, 1997, 12, 346-353.	0.3	7