

Hossein Nazockdast

List of Publications by Year in descending order

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78
papers

1,411
citations

331259

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395343

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79
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docs citations

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times ranked

1303
citing authors

#	ARTICLE	IF	CITATIONS
1	Monoâ€filler and biâ€filler composites based on thermoplastic polyurethane, carbon fibers and carbon nanotubes with improved physicomechanical and engineering properties. <i>Polymer International</i> , 2022, 71, 232-242.	1.6	24
2	Effectively exerting the reinforcement of polyvinyl alcohol nanocomposite hydrogel via poly(dopamine) functionalized graphene oxide. <i>Composites Science and Technology</i> , 2022, 217, 109119.	3.8	20
3	A porous monolith polysaccharide-based adsorbent aerogel with enhanced mechanical performance and efficient adsorption capacity. <i>Separation and Purification Technology</i> , 2022, 287, 120587.	3.9	26
4	Effect of graphene/graphene oxide on microstructure development and its impact on electrical conductivity and shape recovery behavior of plasticized starch-based nano-biocomposites. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	3
5	Morphology development and mechanical properties of PLA/differently plasticized starch (TPS) binary blends in comparison with PLA/dynamically crosslinked â€TPS+EVAâ€ternary blends. <i>Polymer</i> , 2022, 245, 124729.	1.8	10
6	Co-electrospun poly(lactic acid)/gelatin nanofibrous scaffold prepared by a new solvent system: morphological, mechanical and inÂvitro degradability properties. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 545-553.	1.8	18
7	Unraveling the Effect of Citric Acid on Microstructure, Rheology, and Structural Recovery of Thermoplastic Potato Starch. <i>Starch/Staerke</i> , 2021, 73, 2000193.	1.1	4
8	Rheological, thermal, and electrical characterization polyamide/polypropylene blend composites containing hybrid filler: Boron nitride and reduced graphene oxide. <i>SPE Polymers</i> , 2021, 2, 134-144.	1.4	13
9	An insight into thermal stability and decomposition kinetics of polybenzoxazine plasma treated graphene nanocomposites. <i>Polymers and Polymer Composites</i> , 2021, 29, S586-S599.	1.0	4
10	Thermoplastic polyurethane/<sc>multiwalled</sc> carbon nanotubes nanocomposites: Effect of nanoparticle content, shear, and thermal processing. <i>Polymer Composites</i> , 2021, 42, 4804-4813.	2.3	53
11	Fabrication of polymeric solar thermal fuel composite for solar energy storage applications. <i>Polymer Engineering and Science</i> , 2021, 61, 2792.	1.5	2
12	The influence of CNT-doped carbon aerogels on microstructural, rheological and mechanical properties of epoxy nanocomposites. <i>Composites Science and Technology</i> , 2021, 215, 109031.	3.8	10
13	Fractural performance of epoxy nanocomposites reinforced with carbon aerogels in different structures. <i>Theoretical and Applied Fracture Mechanics</i> , 2021, 115, 103079.	2.1	4
14	Synthesis and characterization of powdered CNT-doped carbon aerogels. <i>Journal of Non-Crystalline Solids</i> , 2021, 571, 121058.	1.5	15
15	A modus operandi toward interfacial enhancement of ethylene propylene diene monomer rubber/polybenzoxazine blends using <sc>EPDMâ€</sc> grafted<sc>â€</sc> vinyltrimethoxysilane copolymer. <i>Polymer Engineering and Science</i> , 2021, 61, 810-821.	1.5	6
16	Effect of the geometry of cellulose nanocrystals on morphology and mechanical performance of dynamically vulcanized PLA/PU blend. <i>Cellulose</i> , 2020, 27, 215-231.	2.4	10
17	Development of in situ nanofibrillar poly (lactic acid)/poly (butylene terephthalate) composites: Non-isothermal crystallization and crystal morphology. <i>European Polymer Journal</i> , 2020, 125, 109489.	2.6	15
18	Microstructural Development and Rheological Study of a Nanocomposite Gel Polymer Electrolyte Based on Functionalized Graphene for Dye-Sensitized Solar Cells. <i>Polymers</i> , 2020, 12, 1443.	2.0	17

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19	Rheologically determined effect of block copolymer morphology on dispersion of CNT in SEBS/CNT nanocomposites. AIP Conference Proceedings, 2020, , .	0.3	0
20	A comparative study on capability of emulsion models for predicting the viscoelastic behavior of ternary polymer blends with core-shell morphology. Rheologica Acta, 2020, 59, 73-82.	1.1	2
21	A comparative study on microstructure, physical-mechanical properties, and self-healing performance of two differently synthesized nanocomposite double network hydrogels based on β -car/PAm/GO. Polymer, 2020, 188, 122138.	1.8	12
22	A mechanistic approach on the curing kinetics of benzoxazine-filled oxygen plasma treated graphene nanosheets. Materials Research Express, 2019, 6, 095332.	0.8	4
23	Preparation and characterization of electrospun poly(lactic acid)-chitosan core-shell nanofibers with a new solvent system. International Journal of Biological Macromolecules, 2019, 138, 1130-1137.	3.6	59
24	Reinforcing effect of graphene oxide on mechanical properties, self-healing performance and recoverability of double network hydrogel based on β -carrageenan and polyacrylamide. Polymer, 2019, 183, 121837.	1.8	34
25	Fabrication and characterization of exfoliated chitosan-gelatin-montmorillonite nanocomposite nanofibers. Journal of the Textile Institute, 2019, 110, 1672-1677.	1.0	21
26	Microstructure effects on the rheology of nanoclay-filled PHB/LDPE blends. Polymer Composites, 2019, 40, 4125-4134.	2.3	13
27	Long-chain branch-induced interfacial interaction and its effect on morphology development in polypropylene/ethylene octene copolymer blend. Journal of Materials Science, 2019, 54, 6742-6751.	1.7	11
28	Improving the electrical conductivity of ethylene α -olefin copolymer/cyclic olefin copolymer immiscible blends by interfacial localization of MWCNTs. Polymer Engineering and Science, 2019, 59, 447-456.	1.5	9
29	Double percolated MWCNTs loaded PC/SAN nanocomposites as an absorbing electromagnetic shield. European Polymer Journal, 2018, 100, 209-218.	2.6	42
30	Unraveling the localization behavior of MWCNTs in binary polymer blends using thermodynamics and viscoelastic approaches. Polymer Composites, 2018, 39, 2356-2367.	2.3	54
31	Nanoparticle effects of thermoplastic polyurethane on kinetics of microphase separation, with or without preshear. Polymer Composites, 2018, 39, 4551-4559.	2.3	31
32	Rheology provides insight into flow induced nano-structural breakdown and its recovery effect on crystallization of single and hybrid carbon nanofiller filled poly(lactic acid). Polymer, 2018, 134, 143-154.	1.8	70
33	Thermally stable low-density polyethylene/polyhydroxybutyrate pairs: Synergy between organomodified nanoclay and LDPE-g-MAH. Journal of Applied Polymer Science, 2018, 135, 45922.	1.3	2
34	Microstructural development and mechanical performance of PLA/TPU blends containing geometrically different cellulose nanocrystals. Cellulose, 2018, 25, 7167-7188.	2.4	30
35	The effect of filler localization on morphology and thermal conductivity of the polyamide/cyclic olefin copolymer blends filled with boron nitride. Journal of Materials Science, 2018, 53, 16146-16159.	1.7	20
36	Morphology and rheological behavior of poly(butylene terephthalate)/polypropylene blends filled by two types of organoclays. Journal of Thermoplastic Composite Materials, 2017, 30, 646-661.	2.6	4

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37	Structural Behavior of Cylindrical Polystyrene- <i>b</i> -Poly(ethylene- <i>b</i> -butylene)- <i>b</i> -Polystyrene (SEBS) Triblock Copolymer Containing MWCNTs: On the Influence of Nanoparticle Surface Modification. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700231.	1.1	11
38	Structural recovery mechanism after shear induced orientation of multiwalled carbon nanotube in polypropylene matrix. <i>Polymer Testing</i> , 2017, 63, 475-483.	2.3	4
39	Rheological characterization of nanostructured material based on Polystyrene- <i>b</i> -poly(ethylene-butylene)- <i>b</i> -polystyrene (SEBS) block copolymer: Effect of block copolymer composition and nanoparticle geometry. <i>Composites Science and Technology</i> , 2017, 149, 192-206.	3.8	15
40	Electrical and electromagnetic properties of PC/SAN/MWCNTs nanocomposites. , 2017, , .		0
41	The Effect of Blending Sequence on Nanoclay Partitioning and Microfibrillar Morphology in Blend Nanocomposite Fibers. <i>Journal of Macromolecular Science - Physics</i> , 2016, 55, 732-748.	0.4	5
42	Graphene induced microstructural changes of PLA/MWCNT biodegradable nanocomposites: rheological, morphological, thermal and electrical properties. <i>RSC Advances</i> , 2016, 6, 49747-49759.	1.7	81
43	Role of Multiwalled Carbon Nanotubes Localization on Morphology Development of PMMA/PS/PP Ternary Blends. <i>Advances in Polymer Technology</i> , 2016, 35, .	0.8	22
44	Investigation of polycarbonate/acrylonitrile butadiene styrene/multiwall carbon nanotube nanocomposites under impact loading. <i>Polymers for Advanced Technologies</i> , 2016, 27, 1355-1362.	1.6	4
45	Compatibilization effectiveness of maleated polypropylene compared to organoclay in PBT/PP blends. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 157-167.	1.3	8
46	Relationship between dye sorption and morphology in polypropylene/poly (butylene terephthalate) microfibrillar blend nanocomposite fibers. <i>Journal of the Textile Institute</i> , 2016, 107, 774-783.	1.0	5
47	The role of hydrophilic organoclay in morphology development of poly(butylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (0.8	5
48	Microphase separation and hard domain assembly in thermoplastic polyurethane/multiwalled carbon nanotube nanocomposites. <i>Polymer Engineering and Science</i> , 2015, 55, 2163-2173.	1.5	38
49	Shear flow-induced orientation and structural recovery of multiwalled carbon nanotube in poly(ethylene oxide) matrix. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	11
50	Structural Recovery of High-Aspect-Ratio Nanoparticle/Polymer Nanocomposites in Simple Shear Flow. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 549-561.	0.4	3
51	Effect of dispersion and selective localization of carbon nanotubes on rheology and electrical conductivity of polyamide 6 (<sc>PA</sc>6), <sc>Polypropylene (PP)</sc>, and <sc>PA</sc>6/<sc>PP</sc> nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 368-378.	2.4	69
52	Morphology development, melt linear viscoelastic properties and crystallinity of polylactide/polyethylene/organoclay blend nanocomposites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	25
53	Polylactide/Polyethylene/Organoclay Blend Nanocomposites: Structure, Mechanical and Thermal Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1417-1424.	1.9	17
54	The role of flow-induced microstructure in rheological behavior and nonisothermal crystallization kinetics of polyethylene/organoclay nanocomposites. <i>Polymer Engineering and Science</i> , 2014, 54, 1839-1847.	1.5	7

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55	Evaluation of flow-induced nanoclay orientation and microstructural stability in polyethylene/clay nanocomposites via melt rheological and thermal analysis. <i>E-Polymers</i> , 2014, 14, 85-101.	1.3	0
56	Rheology and morphology of nanosilica-containing polypropylene and polypropylene/liquid crystalline polymer blend. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3501-3511.	1.3	18
57	The role of nanoclay partitioning and fibril formation on dyeability of blend nanocomposite fibres. <i>Coloration Technology</i> , 2013, 129, 289-297.	0.7	5
58	Microstructure and Multiwall Carbon Nanotube Partitioning in Polycarbonate/Acrylonitrile-Butadiene-Styrene/Multiwall Carbon Nanotube Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 300-309.	1.9	26
59	Poly(vinylidene fluoride)-acrylic rubber partially miscible blends: Phase behavior and its effects on the mechanical properties. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1247-1258.	1.3	26
60	Role of nanoclay in determining microfibrillar morphology development in PP/PBT blend nanocomposite fibers. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	24
61	The birefringence and anisotropic planar shrinkage of polycarbonate/organoclay injection moldings. <i>Polymer Engineering and Science</i> , 2012, 52, 2182-2195.	1.5	4
62	Study on morphology and microstructure development of PA6/LDPE/organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012, 125, E197.	1.3	12
63	The effect of mixing process on linear viscoelastic and electrical properties of ABS/MWNT nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012, 125, E260.	1.3	6
64	Structure development and melt viscoelastic properties of PE/organoclay nanocomposite blown films. <i>Journal of Applied Polymer Science</i> , 2012, 125, E435.	1.3	12
65	NR/SBR/organoclay nanocomposites: Effects of molecular interactions upon the clay microstructure and mechano-dynamic properties. <i>Journal of Applied Polymer Science</i> , 2012, 123, 1853-1864.	1.3	24
66	Effectiveness of Maleic Anhydride Grafted EPDM Rubber (EPDM-g-MAH) as Compatibilizer in NR/Organoclay Nanocomposites Prepared by Melt Compounding. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 1270-1284.	0.4	21
67	The Effects of Chemical Bonding of Nanoclay Surface Modifier and Compatibilizer on Microstructure Development and Rheological Properties of PP/PP-g-MA/Diamine Modified Nanoclay. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 1109-1117.	1.9	12
68	Numerical simulation of aggregate dispersion in different flow fields using discrete element method. <i>Journal of Applied Polymer Science</i> , 2010, 115, 3303-3310.	1.3	1
69	Linear and nonlinear melt rheology and extrudate swell of acrylonitrile-butadiene-styrene and organoclay-filled acrylonitrile-butadiene-styrene nanocomposite. <i>Polymer Engineering and Science</i> , 2010, 50, 2340-2349.	1.5	15
70	Simulation of Agglomerate Dispersion in Cubic Cavity Flow. <i>Macromolecular Theory and Simulations</i> , 2009, 18, 201-208.	0.6	4
71	Study on morphology and viscoelastic properties of PP/PET/SEBS ternary blend and their fibers. <i>Journal of Applied Polymer Science</i> , 2009, 114, 3737-3743.	1.3	18
72	Morphology Development and Melt Linear Viscoelastic Properties of (PA6/PP/PS) Ternary Blend Systems. <i>Journal of Elastomers and Plastics</i> , 2009, 41, 339-351.	0.7	7

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73	Linear and nonlinear melt-state viscoelastic properties of polypropylene/organoclay nanocomposites. <i>Polymer Engineering and Science</i> , 2008, 48, 1240-1249.	1.5	48
74	Effect of the melt viscoelastic behavior of components on the morphology development of polymer blends in a twin-screw extruder. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2558-2563.	1.3	7
75	Study on In-Situ Compatibilization of the PP/PA6 Blends in Twin Screw Extruders. <i>Macromolecular Symposia</i> , 2008, 274, 166-170.	0.4	4
76	Reduction of Noise from Disc Brake Systems Using Composite Friction Materials Containing Thermoplastic Elastomers (TPEs). <i>Applied Composite Materials</i> , 2006, 13, 305-319.	1.3	14
77	Parameters affecting the free-radical melt grafting of maleic anhydride onto linear low-density polyethylene in an internal mixer. <i>Journal of Applied Polymer Science</i> , 2006, 99, 141-149.	1.3	25
78	Relationship between the rheology and morphology of dynamically vulcanized thermoplastic elastomers based on EPDM/PP. <i>Polymer Engineering and Science</i> , 2005, 45, 84-94.	1.5	68