

Hossein A Khonakdar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1506268/publications.pdf>

Version: 2024-02-01

113
papers

2,599
citations

147801

31
h-index

276875

41
g-index

114
all docs

114
docs citations

114
times ranked

2118
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Experimental and theoretical analyses of mechanical properties of PP/PLA/clay nanocomposites. <i>Composites Part B: Engineering</i> , 2015, 69, 133-144. | 12.0 | 104 |
| 2 | Correlation of morphology and rheological response of interfacially modified PTT/m-LLDPE blends with varying extent of modification. <i>Polymer</i> , 2005, 46, 5082-5093. | 3.8 | 72 |
| 3 | Application of linear rheology in determination of nanoclay localization in PLA/EVA/Clay nanocomposites: Correlation with microstructure and thermal properties. <i>Composites Part B: Engineering</i> , 2016, 86, 273-284. | 12.0 | 66 |
| 4 | A review of recent progress in improving the fracture toughness of epoxy-based composites using carbonaceous nanofillers. <i>Polymer Composites</i> , 2022, 43, 1871-1886. | 4.6 | 64 |
| 5 | Calorimetric analysis and molecular dynamics simulation of cure kinetics of epoxy/chitosan-modified Fe ₃ O ₄ nanocomposites. <i>Progress in Organic Coatings</i> , 2017, 112, 176-186. | 3.9 | 56 |
| 6 | 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. | 7.0 | 54 |
| 7 | Mechanical properties of bamboo fiber-reinforced polymer composites: a review of recent case studies. <i>Journal of Materials Science</i> , 2022, 57, 3143-3167. | 3.7 | 53 |
| 8 | Structural analysis of multicomponent nanoclay-containing polymer blends through simple model systems. <i>Polymer</i> , 2008, 49, 2119-2126. | 3.8 | 52 |
| 9 | A review of electrical and thermal conductivities of epoxy resin systems reinforced with carbon nanotubes and graphene-based nanoparticles. <i>Polymer Testing</i> , 2022, 112, 107645. | 4.8 | 51 |
| 10 | Cure kinetics of epoxy/chicken eggshell biowaste composites: Isothermal calorimetric and chemorheological analyses. <i>Progress in Organic Coatings</i> , 2018, 114, 208-215. | 3.9 | 49 |
| 11 | Thermal and dynamic mechanical properties of PP/EVA nanocomposites containing organo-modified layered double hydroxides. <i>Composites Part B: Engineering</i> , 2016, 103, 122-130. | 12.0 | 47 |
| 12 | Baked hydrogel from corn starch and chitosan blends cross-linked by citric acid: Preparation and properties. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1256-1269. | 3.2 | 47 |
| 13 | An assessment of the role of morphology in thermal/thermo-oxidative degradation mechanism of PP/EVA/clay nanocomposites. <i>Polymer Degradation and Stability</i> , 2010, 95, 859-869. | 5.8 | 45 |
| 14 | On O ₂ gas permeability of PP/PLA/clay nanocomposites: A molecular dynamic simulation approach. <i>Polymer Testing</i> , 2015, 45, 139-151. | 4.8 | 44 |
| 15 | Toughening of epoxy resin systems using core-shell rubber particles: a literature review. <i>Journal of Materials Science</i> , 2021, 56, 18345-18367. | 3.7 | 44 |
| 16 | Lap shear strength and thermal stability of diglycidyl ether of bisphenol a/epoxy novolac adhesives with nanoreinforcing fillers. <i>Journal of Applied Polymer Science</i> , 2014, 131, . | 2.6 | 42 |
| 17 | Towards an efficient and durable superhydrophobic mesh coated by PDMS/TiO ₂ nanocomposites for oil/water separation. <i>Applied Surface Science</i> , 2019, 492, 862-870. | 6.1 | 42 |
| 18 | Using solvent-free approach for preparing innovative biopolymer nanocomposites based on PGS/gelatin. <i>European Polymer Journal</i> , 2020, 131, 109720. | 5.4 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | MWNTâ€filled PC/ABS blends: Correlation of morphology with rheological and electrical response. <i>Journal of Applied Polymer Science</i> , 2013, 130, 739-748. | 2.6 | 41 |
| 20 | Superhydrophobic filter paper via an improved phase separation process for oil/water separation: study on surface morphology, composition and wettability. <i>Cellulose</i> , 2016, 23, 3913-3924. | 4.9 | 41 |
| 21 | Functionalized graphene nanoplatelets/poly (lactic acid)/chitosan nanocomposites: Mechanical, biodegradability, and electrical conductivity properties. <i>Polymer Composites</i> , 2022, 43, 411-421. | 4.6 | 40 |
| 22 | Enhanced hydrophobicity of polyurethane via non-solvent induced surface aggregation of silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 117-126. | 9.4 | 39 |
| 23 | Thermal and mechanical properties of uncrosslinked and chemically crosslinked polyethylene/ethylene vinyl acetate copolymer blends. <i>Journal of Applied Polymer Science</i> , 2007, 103, 3261-3270. | 2.6 | 38 |
| 24 | 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 |
| 25 | Tuning cell adhesion on polymeric and nanocomposite surfaces: Role of topography versus superhydrophobicity. <i>Materials Science and Engineering C</i> , 2016, 63, 609-615. | 7.3 | 37 |
| 26 | Development of one-step synthesized LDH reinforced multifunctional poly(amideâ€imide) matrix containing xanthene rings: study on thermal stability and flame retardancy. <i>RSC Advances</i> , 2015, 5, 53726-53735. | 3.6 | 36 |
| 27 | Enhanced ionic conductivity in PEO/PMMA glassy miscible blends: Role of nanoâ€confinement of minority component chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 2065-2071. | 2.1 | 35 |
| 28 | The kinetic analysis of isothermal curing reaction of an epoxy resin-glassflake nanocomposite. <i>Thermochimica Acta</i> , 2012, 549, 81-86. | 2.7 | 35 |
| 29 | Influence of Interfacial Activity and Micelle Formation on Rheological Behavior and Microstructure of Reactively Compatibilized PP/PET Blends. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 312-328. | 3.6 | 35 |
| 30 | Influence of trifluoropropyl-POSS nanoparticles on the microstructure, rheological, thermal and thermomechanical properties of PLA. <i>RSC Advances</i> , 2016, 6, 37149-37159. | 3.6 | 35 |
| 31 | Nonisothermal crystallization kinetics and determination of surfaceâ€folding free energy of PP/EVA/OMMT nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 674-684. | 2.1 | 32 |
| 32 | Application of mean-field theory in PP/EVA blends by focusing on dynamic mechanical properties in correlation with miscibility analysis. <i>Composites Part B: Engineering</i> , 2015, 79, 74-82. | 12.0 | 31 |
| 33 | Self-cleaning behavior in polyurethane/silica coatings via formation of a hierarchical packed morphology of nanoparticles. <i>Applied Surface Science</i> , 2016, 368, 216-223. | 6.1 | 31 |
| 34 | Polycarbonate/poly(methyl methacrylate)/silica aerogel blend composites for advanced transparent thermal insulations: Mechanical, thermal, and optical studies. <i>Polymer Composites</i> , 2021, 42, 5323-5334. | 4.6 | 30 |
| 35 | Rheologyâ€morphology correlation in <sc>PET/PP</sc> blends: Influence of type of compatibilizer. <i>Journal of Vinyl and Additive Technology</i> , 2013, 19, 25-30. | 3.4 | 29 |
| 36 | Miscibility analysis, viscoelastic properties and morphology of cyclic olefin copolymer/polyolefin elastomer (COC/POE) blends. <i>Composites Part B: Engineering</i> , 2015, 69, 111-119. | 12.0 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Rheological, morphological and mechanical investigations on ethylene octene copolymer toughened polypropylene prepared by continuous electron induced reactive processing. RSC Advances, 2016, 6, 24651-24660. | 3.6 | 29 |
| 38 | An experimental and theoretical mechanistic analysis of thermal degradation of polypropylene/poly(lactic acid)/clay nanocomposites. Polymers for Advanced Technologies, 2019, 30, 2695-2706. | 3.2 | 27 |
| 39 | Evaluation of curing kinetic parameters of an epoxy/polyaminoamide/nano-glassflake system by non-isothermal differential scanning calorimetry. Thermochimica Acta, 2012, 533, 10-15. | 2.7 | 26 |
| 40 | A combined experimental and theoretical approach to quantitative assessment of microstructure in PLA/PP/Organo-Clay nanocomposites; wide-angle x-ray scattering and rheological analysis. Composites Part B: Engineering, 2018, 137, 235-246. | 12.0 | 26 |
| 41 | Incorporation of inorganic fullerene-like WS ₂ into poly(ethylene succinate) to prepare novel biodegradable nanocomposites: a study on isothermal and dynamic crystallization. RSC Advances, 2016, 6, 4925-4935. | 3.6 | 24 |
| 42 | Effect of a novel green modification of alumina nanoparticles on the curing kinetics and electrical insulation properties of epoxy composites. Polymers for Advanced Technologies, 0, , . | 3.2 | 24 |
| 43 | Microstructure and non-isothermal crystallization behavior of PP/PLA/clay hybrid nanocomposites. Journal of Thermal Analysis and Calorimetry, 2015, 121, 1321-1332. | 3.6 | 23 |
| 44 | A promising approach to low electrical percolation threshold in PMMA nanocomposites by using MWCNT-PEO pre-dispersions. Materials and Design, 2016, 111, 253-262. | 7.0 | 23 |
| 45 | Crystallization and melting behavior of poly(ethylene succinate) in presence of graphene nanoplatelets. Thermochimica Acta, 2014, 586, 17-24. | 2.7 | 22 |
| 46 | Temperature dependency of gas barrier properties of biodegradable PP/PLA/nanoclay films: Experimental analyses with a molecular dynamics simulation approach. Journal of Applied Polymer Science, 2018, 135, 46665. | 2.6 | 22 |
| 47 | Evaluating the mechanical, thermal, and antibacterial properties of poly(lactic acid)/silicone rubber blends reinforced with (3-aminopropyl) triethoxysilane-functionalized titanium dioxide nanoparticles. Polymer Composites, 2022, 43, 4165-4178. | 4.6 | 22 |
| 48 | Dynamic and Transient Shear Start-Up Flow Experiments for Analyzing Nanoclay Localization in PP/PET Blends: Correlation with Microstructure. Macromolecular Materials and Engineering, 2013, 298, 113-126. | 3.6 | 21 |
| 49 | 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. | 3.4 | 21 |
| 50 | Influence of Graphene Oxide on Crystallization Behavior and Chain Folding Surface Free Energy of Poly(vinylidene fluoride-co-hexafluoropropylene). Macromolecular Chemistry and Physics, 2017, 218, 1700103. | 2.2 | 21 |
| 51 | Chitosan and imide-functional Fe ₃ O ₄ nanoparticles to prepare new xanthene based poly(ether-imide) nanocomposites. RSC Advances, 2016, 6, 112568-112575. | 3.6 | 20 |
| 52 | On Localization of Clay Nanoparticles in Polypropylene/poly(Lactic Acid) Blend Nanocomposites: Correlation with Mechanical Properties. Journal of Macromolecular Science - Physics, 2016, 55, 344-360. | 1.0 | 20 |
| 53 | Poly(ethylene succinate)/single-walled carbon nanotube composites: a study on crystallization. Polymer Bulletin, 2013, 70, 3463-3474. | 3.3 | 19 |
| 54 | Nonisothermal crystallization kinetic studies on melt processed poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (terephthalate) nanoparticles. Journal of Applied Polymer Science, 2019, 136, 47569. | 2.6 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Developing antibacterial superhydrophobic coatings based on polydimethylsiloxane/silver phosphate nanocomposites: Assessment of surface morphology, roughness and chemistry. <i>Progress in Organic Coatings</i> , 2020, 149, 105944. | 3.9 | 19 |
| 56 | Review of Bioprinting in Regenerative Medicine: Naturally Derived Bioinks and Stem Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 4049-4070. | 4.6 | 19 |
| 57 | Investigation of the cure kinetics and thermal stability of an epoxy system containing cystamine as curing agent. <i>Polymers for Advanced Technologies</i> , 2021, 32, 1251-1261. | 3.2 | 18 |
| 58 | Development of physical, mechanical, antibacterial and cell growth properties of poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Chemistry, 2021, 12, 6263-6282. | 3.9 | 18 |
| 59 | In-depth study of mechanical properties of poly(lactic acid)/thermoplastic polyurethane/hydroxyapatite blend nanocomposites. <i>Journal of Materials Science</i> , 2022, 57, 7250-7264. | 3.7 | 18 |
| 60 | Study on the effects of non-solvent and nanoparticle concentrations on surface properties of water-repellent biocompatible l-lactide/glycolide/trimethylene carbonate terpolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 502, 168-175. | 4.7 | 17 |
| 61 | Influence of polypropylene and nanoclay on thermal and thermo-oxidative degradation of poly(lactide) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 622 | 2.7 | 17 |
| 62 | Polystyrene/polyolefin elastomer/halloysite nanotubes blend nanocomposites: Morphology&thermal degradation kinetics relationship. <i>Polymers for Advanced Technologies</i> , 2022, 33, 2149-2165. | 3.2 | 17 |
| 63 | POSS fernlike structure as a support for TiO2 nanoparticles in fabrication of superhydrophobic polymer-based nanocomposite surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 514-521. | 4.7 | 16 |
| 64 | To What Extent Can Hyperelastic Models Make Sense the Effect of Clay Surface Treatment on the Mechanical Properties of Elastomeric Nanocomposites?. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700036. | 3.6 | 16 |
| 65 | Improved surface properties in spray-coated PU/TiO2/graphene hybrid nanocomposites through nonsolvent-induced phase separation. <i>Surface and Coatings Technology</i> , 2021, 405, 126507. | 4.8 | 16 |
| 66 | Fabrication of Carboxymethyl Chitosan Nanoparticles to Deliver Paclitaxel for Melanoma Treatment. <i>ChemNanoMat</i> , 2020, 6, 1373-1385. | 2.8 | 16 |
| 67 | Investigating the effect of nanolayered silicates on blend segmental dynamics and minor component relaxation behavior in poly(ethylene oxide)/poly(methyl methacrylate) miscible blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 318-326. | 2.1 | 15 |
| 68 | Morphology, drug release behavior, thermal, and mechanical properties of poly(ethylene oxide) (PEO)/poly(vinyl pyrrolidone) (PVP) blends. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46403. | 2.6 | 15 |
| 69 | Evaluating the effect of hydroxyapatite nanoparticles on morphology, thermal stability and dynamic mechanical properties of multicomponent blend systems based on polylactic acid/Starch/Polycaprolactone. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, E83. | 3.4 | 15 |
| 70 | Biodegradation and hydrolysis studies on polypropylene/polylactide/organo-clay nanocomposites. <i>Polymer Bulletin</i> , 2016, 73, 3287-3304. | 3.3 | 14 |
| 71 | Spin-coated polyvinylidene fluoride/graphene nanocomposite thin films with improved β -phase content and electrical conductivity. <i>Journal of Materials Science</i> , 2020, 55, 6696-6707. | 3.7 | 14 |
| 72 | Development of Flexible Nanocomposites Based on Poly(μ -caprolactone) for Tissue Engineering Application: The Contributing Role of Poly(glycerol succinic acid) and Polypyrrole. <i>European Polymer Journal</i> , 2022, 164, 110984. | 5.4 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | An investigation of TiO ₂ nanoparticles effect on morphology, thermal, and mechanical properties of epoxy/silica composites. Journal of Vinyl and Additive Technology, 2017, 23, E216. | 3.4 | 13 |
| 74 | Disclosing the role of surface and bulk erosion on the viscoelastic behavior of biodegradable poly(ϵ -caprolactone)/poly(lactic acid)/hydroxyapatite nanocomposites. Journal of Applied Polymer Science, 2019, 136, 47151. | 2.6 | 13 |
| 75 | Conductive poly(ϵ -caprolactone)/polylactic acid scaffolds for tissue engineering applications: Synergy effect of zirconium nanoparticles and polypyrrole. Polymers for Advanced Technologies, 2022, 33, 1427-1441. | 3.2 | 13 |
| 76 | Flexible high dielectric polystyrene/ethylene α -octene copolymer/graphene nanocomposites: Tuning the morphology and dielectric properties by graphene's surface polarity. Polymers for Advanced Technologies, 2022, 33, 937-951. | 3.2 | 12 |
| 77 | Analysis of dynamic oscillatory rheological properties of PP/EVA/organo-modified LDH ternary hybrids based on generalized Newtonian fluid and generalized linear viscoelastic approaches. Polymer Bulletin, 2017, 74, 465-482. | 3.3 | 11 |
| 78 | Thermal, combustion and optical properties of new polyimide/ODA-functionalized Fe ₃ O ₄ nanocomposites containing xanthene and amide groups. Journal of Thermal Analysis and Calorimetry, 2017, 129, 147-159. | 3.6 | 11 |
| 79 | Investigation on surface properties of superhydrophobic nanocomposites based on polyvinyl chloride and correlation with cell adhesion behavior. Polymers for Advanced Technologies, 2019, 30, 1027-1035. | 3.2 | 11 |
| 80 | Impact of poly(ϵ -caprolactone) on the thermal, dynamic mechanical and crystallization behavior of polyvinylidene fluoride/poly(ϵ -caprolactone) blends in the presence of KIT ϵ mesoporous particles. Polymers for Advanced Technologies, 2021, 32, 4424-4439. | 3.2 | 11 |
| 81 | On the Melt Rheological Behavior and Microstructure of Nanoclay-Filled Polyethylene/Ethylene Vinyl Acetate (PE/EVA) Blend. Polymer-Plastics Technology and Engineering, 2015, 54, 1571-1584. | 1.9 | 10 |
| 82 | Microstructure and Properties of Polypropylene/Clay Nanocomposites. Journal of Macromolecular Science - Physics, 2016, 55, 1022-1038. | 1.0 | 10 |
| 83 | Poly(ethylene succinate) nanocomposites containing inorganic WS ₂ nanotubes with improved thermal properties: A kinetic study. Composites Part B: Engineering, 2016, 98, 496-507. | 12.0 | 10 |
| 84 | Experimental analysis and prediction of viscoelastic creep properties of PP/EVA/LDH nanocomposites using master curves based on time-temperature superposition. Journal of Applied Polymer Science, 2018, 135, 46725. | 2.6 | 10 |
| 85 | Development of degradable poly(ethylene terephthalate)-based nanocomposites with the aid of polylactic acid and graphenic materials: Thermal, thermo-oxidative and hydrolytic degradation characteristics. Journal of Applied Polymer Science, 2020, 137, 48466. | 2.6 | 10 |
| 86 | Using a β -Cyclodextrin-functional Fe ₃ O ₄ as a Reinforcement of PLA: Synthesis, Thermal, and Combustion Properties. Polymer-Plastics Technology and Engineering, 2017, 56, 1366-1373. | 1.9 | 9 |
| 87 | A probe into the status quo of interfacial adhesion in the compatibilized ternary blends with core/shell droplets: Selective versus dictated compatibilization. Journal of Applied Polymer Science, 2017, 134, 45503. | 2.6 | 9 |
| 88 | Amide-acid functional SiO ₂ nanocomposites based on new semi-crystalline poly(ether-sulfone-amide): thermal, combustion and mechanical studies. Polymer International, 2017, 66, 133-143. | 3.1 | 9 |
| 89 | Temperature and frequency-dependent creep and recovery studies on PVDF ϵ HFP/organo-modified layered double hydroxides nanocomposites. Journal of Applied Polymer Science, 2018, 135, 46352. | 2.6 | 9 |
| 90 | Thermal, thermomechanical, and morphological characterization of poly(vinyl chloride) (PVC)/ZnO nanocomposites: PVC molecular weight effect. Journal of Vinyl and Additive Technology, 2019, 25, E63. | 3.4 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | An assessment on the effect of trifluoropropyl-POSS and blend composition on morphological, thermal and thermomechanical properties of PLA/TPU. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 279-292. | 3.6 | 8 |
| 92 | A Theoretical and Experimental Analysis of the Effect of Nanoclay on Gas Permeability Selectivity of Biodegradable PLA/EVA Blends in the Presence and Absence of Compatibilizer. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000433. | 3.6 | 8 |
| 93 | Vinyl ester/silica aerogel nanocomposite coatings with enhanced hydrophobicity and corrosion protection properties. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2176-2184. | 3.2 | 8 |
| 94 | Physicomechanical and antimicrobial characteristics of hydrogel based on poly(vinyl alcohol): Performance improvement via inclusion of chitosan-modified nanoclay. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47444. | 2.6 | 7 |
| 95 | Phosphorus-containing polyamide Mg(OH) ₂ nanocomposite coating on surface of poly(vinyl chloride) thin film: Study on thermal stability, flammability, and mechanical properties. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2360-2370. | 3.2 | 7 |
| 96 | Spectral and molecular docking studies of nucleic acids/protein binding interactions of a novel organometallic palladium (II) complex containing bioactive PTA ligands: Its synthesis, anticancer effects and encapsulation in albumin nanoparticles. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5839. | 3.5 | 7 |
| 97 | Conceptualizing Physical and Chemical Interactions in the Compatibilized HDPE/PA6 and HDPE/EVOH Pairs: Theoretical and Experimental Analyses. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1986-1996. | 1.9 | 6 |
| 98 | Thermo-rheological probe of microstructural evolution and degradation pathway in the flame-retarded PP/EVA/NOR/clay nanocomposites. <i>Rheologica Acta</i> , 0, , 1. | 2.4 | 6 |
| 99 | Morphology and physical properties of electrospun polyethylene oxide/polyacrylonitrile mats and related graphene-based nanocomposites. <i>Journal of Vinyl and Additive Technology</i> , 2017, 23, E152. | 3.4 | 5 |
| 100 | Chemically Functionalized Graphene Nanosheets and Their Influence on Thermal Stability, Mechanical, Morphological, and Electrical Properties of Poly(methyl methacrylate)/Poly(ethylene Oxide) Blend. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 156-165. | 1.9 | 5 |
| 101 | Investigating the effect of surface composition and morphology on oil/water separation efficiency of sponges coated with polymer nanocomposites. <i>Polymer Composites</i> , 2019, 40, E431. | 4.6 | 5 |
| 102 | Assessment of compatibilization role of nanoclay in immiscible polystyrene/ethylene-octene copolymer blends via wide-angle X-ray scattering, microstructure, rheological analyses, and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48748. | 2.6 | 5 |
| 103 | Investigating the Effects of Graphene Content and Application Method on Surface Properties of Vinyl Ester/Silica Aerogel Coatings. <i>Macromolecular Research</i> , 2022, 30, 334-341. | 2.4 | 5 |
| 104 | Thermal stability and flammability of ethylene vinyl acetate copolymers in presence of nanoclay and a halogen-free flame retardant. <i>Journal of Vinyl and Additive Technology</i> , 2017, 23, E92. | 3.4 | 4 |
| 105 | Melt rheology and interfacial properties of binary and ternary blends of PS, EOC, and SEBS. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48791. | 2.6 | 4 |
| 106 | Polymorph enhancement in poly(vinylidene fluoride) by blending with polyamide 6 and barium titanate nanoparticles. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49403. | 2.6 | 4 |
| 107 | Conversion of n-heptane over different catalysts: Effect of catalyst-to-oil ratio and temperature. <i>Petroleum Science and Technology</i> , 2017, 35, 2201-2207. | 1.5 | 2 |
| 108 | Solid State Viscoelastic Properties, Morphological and Melt Rheological Studies on PLA/TPU/POSS Nanocomposites. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 1036-1045. | 1.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Study on the surface morphology and wettability of nanocomposite films based on poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66 Composites, 2019, 40, E127. | 4.6 | 2 |
| 110 | Synthesis and biological evaluation of novel tetranuclear cyclopalladated complex bearing thiosemicarbazone scaffold ligand: Interactions with doubleâ€strand DNA, coronavirus, and molecular modeling studies. Applied Organometallic Chemistry, 2022, 36, . | 3.5 | 1 |
| 111 | Effect of re-modified nanoclays on the extent of transesterification in poly (ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66 Communications, 2022, 32, 103872. | 1.9 | 1 |
| 112 | Melt linear viscoelastic rheological analysis to assess the microstructure of polyamide 6â€acrylonitrile butadiene styrene terpolymer immiscible blends via the application of fractional Zener and Coran models. Journal of Applied Polymer Science, 2017, 134, 45423. | 2.6 | 0 |
| 113 | Surface modification of polyurethane nanocomposite films via nonsolventâ€induced phase separation accelerated by graphene nanoplatelets. Polymer Composites, 0, , . | 4.6 | 0 |