# Chaoying Wan

List of Publications by Year
in descending order

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|---|---|---|---|
| 132 papers | 6,178 citations | 81900 39 h-index | 74163 75 g-index |
| 135 all docs | 135 docs citations | 135 times ranked | 7542 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reactive extrusion of biodegradable <scp>PGA</scp>/<scp>PBAT</scp> blends to enhance flexibility and gas barrier properties. Journal of Applied Polymer Science, 2022, 139, 51617. | 2.6 | 33 |
| 2 | Enzymatic hydrolysis of bacterial cellulose in the presence of a nonâ€catalytic ceratoâ€platanin protein. Journal of Applied Polymer Science, 2022, 139, 51886. | 2.6 | 2 |
| 3 | A continuous spatial confining process towards high electrical conductivity of elastomer composites with a low percolation threshold. Composites Science and Technology, 2022, 218, 109155. | 7.8 | 7 |
| 4 | Electron Beam-Mediated Cross-Linking of Blown Film-Extruded Biodegradable PGA/PBAT Blends toward High Toughness and Low Oxygen Permeation. ACS Sustainable Chemistry and Engineering, 2022, 10, 1267-1276. | 6.7 | 31 |
| 5 | Peanoâ€Hydraulically Amplified Selfâ€Healing Electrostatic Actuators Based on a Novel Bilayer Polymer Shell for Enhanced Strain, Load, and Rotary Motion. Advanced Intelligent Systems, 2022, 4, . | 6.1 | 4 |
| 6 | Efficient thermo-oxidative reclamation of green tire rubber and silanized-silica/rubber interface characterization. Polymer Degradation and Stability, 2022, 196, 109827. | 5.8 | 8 |
| 7 | Tuning triboelectric and energy harvesting properties of dielectric elastomers via dynamic ionic crosslinks. Materials Advances, 2022, 3, 4213-4226. | 5.4 | 3 |
| 8 | Damping and Electromechanical Behavior of Ionic-Modified Brominated Poly(isobutylene-co-isoprene) Rubber Containing Petroleum Resin C5. Industrial & Engineering Chemistry Research, 2022, 61, 3063-3074. | 3.7 | 10 |
| 9 | Advancement of Electroadhesion Technology for Intelligent and Selfâ€Reliant Robotic Applications. Advanced Intelligent Systems, 2022, 4, . | 6.1 | 11 |
| 10 | Peanoâ€Hydraulically Amplified Selfâ€Healing Electrostatic Actuators Based on a Novel Bilayer Polymer Shell for Enhanced Strain, Load, and Rotary Motion. Advanced Intelligent Systems, 2022, 4, 2270022. | 6.1 | 0 |
| 11 | Tailoring Electromechanical Properties of Natural Rubber Vitrimers by Cross-Linkers. Industrial & Engineering Chemistry Research, 2022, 61, 8871-8880. | 3.7 | 5 |
| 12 | Self-healing and mechanical performance of dynamic glycol chitosan hydrogel nanocomposites. Journal of Materials Chemistry B, 2021, 9, 809-823. | 5.8 | 19 |
| 13 | Achievements and Prospects of Thermoelectric and Hybrid Energy Harvesters for Wearable Electronic Applications. , 2021, , 3-40. | | 1 |
| 14 | Understanding H<sub>2</sub>O<sub>2</sub>-Induced Thermo-Oxidative Reclamation of Vulcanized Styrene Butadiene Rubber at Low Temperatures. ACS Sustainable Chemistry and Engineering, 2021, 9, 2378-2387. | 6.7 | 15 |
| 15 | Dynamic Polymer Networks: A New Avenue towards Sustainable and Advanced Soft Machines. Angewandte Chemie, 2021, 133, 13841-13852. | 2.0 | 8 |
| 16 | Dynamic Polymer Networks: A New Avenue towards Sustainable and Advanced Soft Machines. Angewandte Chemie - International Edition, 2021, 60, 13725-13736. | 13.8 | 43 |
| 17 | Piezoelectricâ€Driven Selfâ€Sensing Leafâ€Mimic Actuator Enabled by Integration of a Selfâ€Healing Dielectric Elastomer and a Piezoelectric Composite. Advanced Intelligent Systems, 2021, 3, 2000248. | 6.1 | 7 |
| 18 | Challenges and Opportunities of Selfâ€Healing Polymers and Devices for Extreme and Hostile Environments. Advanced Materials, 2021, 33, e2008052. | 21.0 | 82 |

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|---|---|---|---|
| 19 | An anchoring array assembly method for enhancing the electrical conductivity of composites of polypropylene and hybrid fillers. Composites Science and Technology, 2021, 211, 108846. | 7.8 | 6 |
| 20 | Design and Control of Compostability in Synthetic Biopolyesters. ACS Sustainable Chemistry and Engineering, 2021, 9, 9151-9164. | 6.7 | 47 |
| 21 | Synthesis of Poly(Lactic Acid-co-Glycolic Acid) Copolymers with High Glycolide Ratio by Ring-Opening Polymerisation. Polymers, 2021, 13, 2458. | 4.5 | 13 |
| 22 | PiezoelectricâEDriven SelfâESensing LeafâEMimic Actuator Enabled by Integration of a SelfâEHealing Dielectric Elastomer and a Piezoelectric Composite. Advanced Intelligent Systems, 2021, 3, 2170062. | 6.1 | 1 |
| 23 | Isocyanate-functionalised graphene oxide and poly(vinyl alcohol) nacre-mimetic inspired freestanding films. Nanoscale Advances, 2021, 4, 49-57. | 4.6 | 2 |
| 24 | Tailoring the electrical and thermal conductivity of multi-component and multi-phase polymer composites. International Materials Reviews, 2020, 65, 129-163. | 19.3 | 67 |
| 25 | Shape memory and selfâEhealing behavior of styreneâE“butadieneâE“styrene/ethyleneâEmethacrylic acid copolymer (SBS/EMAA) elastomers containing ionic interactions. Journal of Applied Polymer Science, 2020, 137, 48666. | 2.6 | 20 |
| 26 | Shape memory properties of polyethylene/ethylene vinyl acetate /carbon nanotube composites. Polymer Testing, 2020, 81, 106227. | 4.8 | 11 |
| 27 | Soybean oil induced efficient thermalâE“oxidative degradation of covalently crosslinked styrene butadiene rubber. Journal of Applied Polymer Science, 2020, 137, 48935. | 2.6 | 3 |
| 28 | Gas Barrier Polymer Nanocomposite Films Prepared by Graphene Oxide Encapsulated Polystyrene Microparticles. ACS Applied Polymer Materials, 2020, 2, 725-731. | 4.4 | 22 |
| 29 | Self-Healing of Materials under High Electrical Stress. Matter, 2020, 3, 989-1008. | 10.0 | 47 |
| 30 | Shape memory-assisted self-healing polymer systems. , 2020, , 95-121. | | 2 |
| 31 | Freestanding Î±-zirconium phosphate based nacre-like composite films cast from water. Composites Science and Technology, 2020, 200, 108443. | 7.8 | 6 |
| 32 | Poly(glycolic acid) (PGA): a versatile building block expanding high performance and sustainable bioplastic applications. Green Chemistry, 2020, 22, 4055-4081. | 9.0 | 212 |
| 33 | Dynamic crosslinked rubbers for a green future: A material perspective. Materials Science and Engineering Reports, 2020, 141, 100561. | 31.8 | 90 |
| 34 | Coupling Dynamic Covalent Bonds and Ionic Crosslinking Network to Promote Shape Memory Properties of Ethylene-vinyl Acetate Copolymers. Polymers, 2020, 12, 983. | 4.5 | 12 |
| 35 | Graphene Oxide Functionalized with 2-Ureido-4[1H]-pyrimidinone for Production of Nacre-Like Films. ACS Applied Nano Materials, 2020, 3, 7161-7171. | 5.0 | 8 |
| 36 | Understanding the enhancement and temperature-dependency of the self-healing and electromechanical properties of dielectric elastomers containing mixed pendant polar groups. Journal of Materials Chemistry C, 2020, 8, 5426-5436. | 5.5 | 10 |

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|---|---|---|---|
| 37 | Structure and electrochemical properties of hierarchically porous carbon nanomaterials derived from hybrid ZIF-8/ZIF-67 bi-MOF coated cyclomatrix poly(organophosphazene) nanospheres. New Journal of Chemistry, 2020, 44, 4353-4362. | 2.8 | 3 |
| 38 | Self-Healing Dielectric Elastomers for Damage-Tolerant Actuation and Energy Harvesting. ACS Applied Materials & Interfaces, 2020, 12, 7595-7604. | 8.0 | 55 |
| 39 | Structure and Dielectric Properties of Electroactive Tetraaniline Grafted Non-Polar Elastomers. Journal of Composites Science, 2020, 4, 25. | 3.0 | 6 |
| 40 | Effective Thermal-Oxidative Reclamation of Waste Tire Rubbers for Producing High-Performance Rubber Composites. ACS Sustainable Chemistry and Engineering, 2020, 8, 9079-9087. | 6.7 | 48 |
| 41 | Fused deposition modelling (FDM) of composites of graphene nanoplatelets and polymers for high thermal conductivity: a mini-review. Functional Composite Materials, 2020, 1, . | 1.4 | 9 |
| 42 | Effects of an ionic liquid and processing conditions on the Î²-polymorph crystal formation in poly(vinylidene fluoride). CrystEngComm, 2019, 21, 5418-5428. | 2.6 | 32 |
| 43 | Interface design for high energy density polymer nanocomposites. Chemical Society Reviews, 2019, 48, 4424-4465. | 38.1 | 531 |
| 44 | Electrical dual-percolation in MWCNTs/SBS/PVDF based thermoplastic elastomer (TPE) composites and the effect of mechanical stretching. European Polymer Journal, 2019, 112, 504-514. | 5.4 | 16 |
| 45 | Self-assembly of fluoride-encapsulated polyhedral oligomeric silsesquioxane (POSS) nanocrystals. CrystEngComm, 2019, 21, 710-723. | 2.6 | 8 |
| 46 | Characterisation of graphite nanoplatelets (GNP) prepared at scale by high-pressure homogenisation. Journal of Materials Chemistry C, 2019, 7, 6383-6390. | 5.5 | 26 |
| 47 | Nucleation of the Î²-polymorph in Composites of Poly(propylene) and Graphene Nanoplatelets. Journal of Composites Science, 2019, 3, 38. | 3.0 | 6 |
| 48 | Heteroatom-doped core/shell carbonaceous framework materials: synthesis, characterization and electrochemical properties. New Journal of Chemistry, 2019, 43, 5632-5641. | 2.8 | 12 |
| 49 | Electrical and Mechanical Selfâ€Healing in Highâ€Performance Dielectric Elastomer Actuator Materials. Advanced Functional Materials, 2019, 29, 1808431. | 14.9 | 92 |
| 50 | Mechanically Enhanced Electrical Conductivity of Polydimethylsiloxane-Based Composites by a Hot Embossing Process. Polymers, 2019, 11, 56. | 4.5 | 19 |
| 51 | Enhancing thermal conductivity of polydimethylsiloxane composites through spatially confined network of hybrid fillers. Composites Science and Technology, 2019, 172, 163-171. | 7.8 | 53 |
| 52 | Thermal conductivity of 2D nano-structured boron nitride (BN) and its composites with polymers. Progress in Materials Science, 2019, 100, 170-186. | 32.8 | 370 |
| 53 | Ferroelectret materials and devices for energy harvesting applications. Nano Energy, 2019, 57, 118-140. | 16.0 | 108 |
| 54 | Mechanical and dielectric properties of MWCNT filled chemically modified SBS/PVDF blends. Composites Communications, 2018, 8, 58-64. | 6.3 | 10 |

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| 55 | 2D boron nitride nanosheets (BNNS) prepared by high-pressure homogenisation: structure and morphology. Nanoscale, 2018, 10, 19469-19477. | 5.6 | 80 |
| 56 | Stress-oscillation behaviour of semi-crystalline polymers: the case of poly(butylene succinate). Soft Matter, 2018, 14, 9175-9184. | 2.7 | 22 |
| 57 | Partially Neutralized Polyacrylic Acid/Poly(vinyl alcohol) Blends as Effective Binders for High-Performance Silicon Anodes in Lithium-Ion Batteries. ACS Applied Energy Materials, 2018, 1, 6890-6898. | 5.1 | 42 |
| 58 | Intrinsic Tuning of Poly(styreneâ€“butadieneâ€“styrene)-Based Self-Healing Dielectric Elastomer Actuators with Enhanced Electromechanical Properties. ACS Applied Materials & Interfaces, 2018, 10, 38438-38448. | 8.0 | 51 |
| 59 | Stepwise exfoliation of bound rubber from carbon black nanoparticles and the structure characterization. Polymer Testing, 2018, 71, 115-124. | 4.8 | 26 |
| 60 | Intrinsically Tuning the Electromechanical Properties of Elastomeric Dielectrics: A Chemistry Perspective. Macromolecular Rapid Communications, 2018, 39, e1800340. | 3.9 | 40 |
| 61 | Vegetable derived-oil facilitating carbon black migration from waste tire rubbers and its reinforcement effect. Waste Management, 2018, 78, 238-248. | 7.4 | 56 |
| 62 | Multiscale-structuring of polyvinylidene fluoride for energy harvesting: the impact of molecular-, micro- and macro-structure. Journal of Materials Chemistry A, 2017, 5, 3091-3128. | 10.3 | 406 |
| 63 | Cyclomatrix polyphosphazenes frameworks (Cyclo-POPs) and the related nanomaterials: Synthesis, assembly and functionalisation. Materials Today Communications, 2017, 11, 38-60. | 1.9 | 44 |
| 64 | Functionalization of BaTiO3 nanoparticles with electron insulating and conducting organophosphazene-based hybrid materials. RSC Advances, 2017, 7, 19674-19683. | 3.6 | 5 |
| 65 | Plasticisation and compatibilisation of poly(propylene) with poly(lauryl acrylate) surface modified MWCNTs. Polymer, 2017, 133, 89-101. | 3.8 | 8 |
| 66 | Thermal conductivity of 2D nano-structured graphitic materials and their composites with epoxy resins. 2D Materials, 2017, 4, 042001. | 4.4 | 39 |
| 67 | Surface amination of carbon nanoparticles for modification of epoxy resins: plasma-treatment vs. wet-chemistry approach. European Polymer Journal, 2017, 87, 422-448. | 5.4 | 59 |
| 68 | Flexible Piezoelectric and Pyroelectric Polymers and Nanocomposites for Energy Harvesting Applications. Engineering Materials and Processes, 2017, , 537-557. | 0.4 | 1 |
| 69 | Heteroatom Doped-Carbon Nanospheres as Anodes in Lithium Ion Batteries. Materials, 2016, 9, 35. | 2.9 | 38 |
| 70 | Graft copolymerization of methyl methacrylate from brominated poly(isobutyleneâ€coâ€isoprene) via atom transfer radical polymerization. Journal of Applied Polymer Science, 2016, 133, . | 2.6 | 0 |
| 71 | Core-shell structured carbon nanoparticles derived from light pyrolysis of waste tires. Polymer Degradation and Stability, 2016, 129, 192-198. | 5.8 | 37 |
| 72 | Functionalisation of MWCNTs with poly(lauryl acrylate) polymerised by Cu(0)-mediated and RAFT methods. Polymer Chemistry, 2016, 7, 3884-3896. | 3.9 | 21 |

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| 73 | Separation of core-shell structured carbon black nanoparticles from waste tires by light pyrolysis. Composites Science and Technology, 2016, 135, 13-20. | 7.8 | 24 |
| 74 | Heteroatomâ€“doped hollow carbon microspheres based on amphiphilic supramolecular vesicles and highly crosslinked polyphosphazene for high performance supercapacitor electrode materials. Electrochimica Acta, 2016, 222, 543-550. | 5.2 | 19 |
| 75 | Enhancing cycling durability of Li-ion batteries with hierarchical structured siliconâ€“graphene hybrid anodes. Physical Chemistry Chemical Physics, 2016, 18, 30677-30685. | 2.8 | 25 |
| 76 | Electronic Applications of Ethylene Vinyl Acetate and Its Composites. Springer Series on Polymer and Composite Materials, 2016, , 61-85. | 0.7 | 4 |
| 77 | Silicon Anodes Incorporating Few-Layer Graphene (FLG) for Improved Cyclability in Li-Ion Batteries. ECS Meeting Abstracts, 2016, , . | 0.0 | 0 |
| 78 | Novel Binary Binder PAA-SBR Towards Silicon Anodes in Li-Ion Batteries. ECS Meeting Abstracts, 2016, , . | 0.0 | 0 |
| 79 | Graphene oxide as a covalent-crosslinking agent for EVM-g-PA6 thermoplastic elastomeric nanocomposites. RSC Advances, 2015, 5, 39042-39051. | 3.6 | 9 |
| 80 | Polysaccharide-assisted rapid exfoliation of graphite platelets into high quality water-dispersible graphene sheets. RSC Advances, 2015, 5, 26482-26490. | 3.6 | 58 |
| 81 | Exceptional oxygen barrier performance of pullulan nanocomposites with ultra-low loading of graphene oxide. Nanotechnology, 2015, 26, 275703. | 2.6 | 39 |
| 82 | Efficient oxygen reduction catalysts formed of cobalt phosphide nanoparticle decorated heteroatom-doped mesoporous carbon nanotubes. Chemical Communications, 2015, 51, 7891-7894. | 4.1 | 87 |
| 83 | Non-covalent functionalization of graphene oxide by pyrene-block copolymers for enhancing physical properties of poly(methyl methacrylate). RSC Advances, 2015, 5, 79947-79955. | 3.6 | 38 |
| 84 | Heteroatom-doped mesoporous carbon nanofibers based on highly cross-linked hybrid polymeric nanofibers: Facile synthesis and application in an electrochemical supercapacitor. Materials Chemistry and Physics, 2015, 164, 85-90. | 4.0 | 23 |
| 85 | Hybrids based on transition metal phosphide (Mn<sub>2</sub>P, Co<sub>2</sub>P, Ni<sub>2</sub>P) nanoparticles and heteroatom-doped carbon nanotubes for efficient oxygen reduction reaction. RSC Advances, 2015, 5, 92893-92898. | 3.6 | 37 |
| 86 | Convenient one-pot approach for the preparation of novel atomically thin two-dimensional polymeric nanosheets, and its evolution in aqueous solution. Materials Letters, 2015, 139, 93-97. | 2.6 | 12 |
| 87 | Recent Advances in Graphene-Based Materials for Lithium Batteries. Current Organic Chemistry, 2015, 19, 1838-1849. | 1.6 | 7 |
| 88 | In situ esterâ€“amide exchange reaction between polyamide 6 and ethyleneâ€vinyl acetate rubber during melt blending. Journal of Applied Polymer Science, 2014, 131, . | 2.6 | 2 |
| 89 | Photoinduced sequence-control via one pot living radical polymerization of acrylates. Chemical Science, 2014, 5, 3536-3542. | 7.4 | 151 |
| 90 | Reactive processing of ethylene-vinyl acetate rubber/polyamide blends via a dynamic transesterification reaction. Polymer Bulletin, 2014, 71, 1505-1521. | 3.3 | 7 |

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| 91 | Reinforcement of biodegradable poly(butylene succinate) with low loadings of graphene oxide. Journal of Applied Polymer Science, 2013, 127, 5094-5099. | 2.6 | 34 |
| 92 | Physical properties and crystallization behavior of ethylene-vinyl acetate rubber/polyamide/graphene oxide thermoplastic elastomer nanocomposites. RSC Advances, 2013, 3, 26166. | 3.6 | 13 |
| 93 | Structural and electrical properties of CuAlMo thin films prepared by magnetron sputtering. Thin Solid Films, 2013, 540, 235-241. | 1.8 | 5 |
| 94 | Morphology and mechanical properties of ethyleneâ€vinyl acetate rubber/polyamide thermoplastic elastomers. Journal of Applied Polymer Science, 2013, 130, 338-344. | 2.6 | 18 |
| 95 | Reinforcement and interphase of polymer/graphene oxide nanocomposites. Journal of Materials Chemistry, 2012, 22, 3637. | 6.7 | 225 |
| 96 | Synthesis and characterization of biomimetic hydroxyapatite/sepiolite nanocomposites. Nanoscale, 2011, 3, 693-700. | 5.6 | 66 |
| 97 | Structure and mechanical properties of gelatin/sepiolite nanocomposite foams. Journal of Materials Chemistry, 2011, 21, 9103. | 6.7 | 73 |
| 98 | Poly(Ìµ-caprolactone)/graphene oxide biocomposites: mechanical properties and bioactivity. Biomedical Materials (Bristol), 2011, 6, 055010. | 3.3 | 177 |
| 99 | Strong and bioactive gelatinâ€“graphene oxide nanocomposites. Soft Matter, 2011, 7, 6159. | 2.7 | 144 |
| 100 | An investigation into synergistic effects of rare earth oxides on intumescent flame retardancy of polypropylene/poly (octyleneâ€coâ€ethylene) blends. Polymers for Advanced Technologies, 2011, 22, 1414-1421. | 3.2 | 35 |
| 101 | Reinforcement of hydrogenated carboxylated nitrileâ€“butadiene rubber with exfoliated graphene oxide. Carbon, 2011, 49, 1608-1613. | 10.3 | 164 |
| 102 | Blends of poly(2,6â€dimethylâ€1,4â€phenylene oxide)/polyamide 6 toughened by maleated polystyreneâ€based copolymers: Mechanical properties, morphology, and rheology. Journal of Applied Polymer Science, 2010, 115, 3385-3392. | 2.6 | 26 |
| 103 | Reactive Compatibilization and Elastomer Toughening of Poly(2,6-dimethyl-1,4-phenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 | 1.9 | 5 |
| 104 | Effect of POSS on morphology and mechanical properties of polyamide 12/montmorillonite nanocomposites. Applied Clay Science, 2010, 47, 249-256. | 5.2 | 55 |
| 105 | Investigation on morphology and mechanical properties of polyamide 6/maleated ethyleneâ€propyleneâ€diene rubber/organoclay composites. Polymer Engineering and Science, 2009, 49, 209-216. | 3.1 | 25 |
| 106 | Toughening modification of PLLA/PBS blends via in situ compatibilization. Polymer Engineering and Science, 2009, 49, 26-33. | 3.1 | 242 |
| 107 | Investigation on the multiwalled carbon nanotubes reinforced polyamide 6/polypropylene composites. Polymer Engineering and Science, 2009, 49, 1909-1917. | 3.1 | 49 |
| 108 | Morphology, mechanical properties, and durability of poly(lactic acid) plasticized with Di(isononyl) cyclohexaneâ€1,2â€dicarboxylate. Polymer Engineering and Science, 2009, 49, 2414-2420. | 3.1 | 39 |

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| 109 | Effect of POSS on crystalline transitions and physical properties of polyamide 12. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 121-129. | 2.1 | 31 |
| 110 | Modification of montmorillonite with aminopropylisooctyl polyhedral oligomeric silsequioxane. Journal of Colloid and Interface Science, 2009, 333, 164-170. | 9.4 | 65 |
| 111 | Morphology and electrical properties of polyamide 6/polypropylene/multi-walled carbon nanotubes composites. Composites Science and Technology, 2009, 69, 2212-2217. | 7.8 | 80 |
| 112 | Synthesis and Characterization of Photoluminescent Eu(III) Coordination Halloysite Nanotube-Based Nanohybrids. Journal of Physical Chemistry C, 2009, 113, 16238-16246. | 3.1 | 48 |
| 113 | Effects of interfacial adhesion on properties of polypropylene/Wollastonite composites. Journal of Applied Polymer Science, 2008, 107, 1718-1723. | 2.6 | 29 |
| 114 | Intercalation process and rubberâ€“filler interactions of polybutadiene rubber/organoclay nanocomposites. Journal of Applied Polymer Science, 2008, 107, 650-657. | 2.6 | 23 |
| 115 | Morphology and properties of silaneâ€modified montmorillonite clays and clay/PBT composites. Journal of Applied Polymer Science, 2008, 110, 550-557. | 2.6 | 40 |
| 116 | Polyamide 6/maleated ethyleneâ€“propyleneâ€“diene rubber/organoclay composites with or without glycidyl methacrylate as a compatibilizer. Journal of Applied Polymer Science, 2008, 110, 1870-1879. | 2.6 | 9 |
| 117 | Surface Characteristics of Polyhedral Oligomeric Silsesquioxane Modified Clay and Its Application in Polymerization of Macrocyclic Polyester Oligomers. Journal of Physical Chemistry B, 2008, 112, 11915-11922. | 2.6 | 49 |
| 118 | Thermal stability, flame retardancy and rheological behavior of ABS filled with magnesium hydroxide sulfate hydrate whisker. Polymer Bulletin, 2007, 58, 747-755. | 3.3 | 28 |
| 119 | Microstructure, Interfacial Interactions, and Rheological Properties of PC/AES/Montmorillonite Composites. Journal of Macromolecular Science - Physics, 2006, 45, 1159-1169. | 1.0 | 3 |
| 120 | Rheological Properties and Morphology of PC/AES Blends. Journal of Macromolecular Science - Physics, 2006, 45, 987-1004. | 1.0 | 4 |
| 121 | Crystallization Behaviour and Mechanical Properties of Polypropylene Copolymer/Silicon Dioxide Nanocomposites. Polymers and Polymer Composites, 2006, 14, 145-154. | 1.9 | 2 |
| 122 | Effect of Epoxy Modifier on Flame Retardancy and Rheological Behaviour of ABS/Montmorillonite Composites. Polymers and Polymer Composites, 2006, 14, 805-812. | 1.9 | 1 |
| 123 | Effect of silicon dioxide on crystallization and melting behavior of polypropylene. Journal of Applied Polymer Science, 2006, 100, 1889-1898. | 2.6 | 34 |
| 124 | Fracture behavior of PVC/Blendex/nano-CaCO3 composites. Journal of Applied Polymer Science, 2005, 95, 953-961. | 2.6 | 21 |
| 125 | Fibre Orientation and Mechanical Properties of Short Glass Fibre Reinforced PP Composites. Polymers and Polymer Composites, 2005, 13, 253-262. | 1.9 | 5 |
| 126 | Investigation of Melt-Intercalated PET-Clay Nanocomposites. Polymers and Polymer Composites, 2004, 12, 619-625. | 1.9 | 5 |

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| 127 | Effect of nano-CaCO3 on mechanical properties of PVC and PVC/Blendex blend. Polymer Testing, 2004, 23, 169-174. | 4.8 | 130 |
| 128 | Morphology and fracture behavior of toughening-modified poly(vinyl chloride)/organophilic montmorillonite composites. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 286-295. | 2.1 | 19 |
| 129 | Processing thermal stability and degradation kinetics of poly(vinyl chloride)/montmorillonite composites. Journal of Applied Polymer Science, 2004, 92, 1521-1526. | 2.6 | 31 |
| 130 | Effect of alkyl quaternary ammonium on processing discoloration of melt-intercalated PVC-montmorillonite composites. Polymer Testing, 2004, 23, 299-306. | 4.8 | 69 |
| 131 | Effect of epoxy resin on morphology and physical properties of PVC/organophilic montmorillonite nanocomposites. Journal of Applied Polymer Science, 2003, 89, 2184-2191. | 2.6 | 34 |
| 132 | Effect of different clay treatment on morphology and mechanical properties of PVC-clay nanocomposites. Polymer Testing, 2003, 22, 453-461. | 4.8 | 226 |