

Robert A Shanks

List of Publications by Year in descending order

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268
papers

7,821
citations

61687

45
h-index

90395

73
g-index

275
all docs

275
docs citations

275
times ranked

8962
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Grapheneâ€“polyamideâ€“6 composite for additive manufacture of multifunctional electromagnetic interference shielding components. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49909. | 1.3 | 12 |
| 2 | Manipulation of the Glass Transition Properties of a High-Solid System Made of Acrylic Acid-N,Nâ€“2-Methylenebisacrylamide Copolymer Grafted on Hydroxypropyl Methyl Cellulose. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2682. | 1.8 | 3 |
| 3 | Electromagnetic interference shielding of 3D-printed grapheneâ€“polyamide-6 composites with 3D-printed morphology. <i>Additive Manufacturing</i> , 2021, 43, 102020. | 1.7 | 10 |
| 4 | Lowâ€“defect grapheneâ€“polyamideâ€“6 composites and modeling the fillerâ€“matrix interface. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48630. | 1.3 | 9 |
| 5 | Concepts and classification of compatibilization processes. , 2020, , 31-56. | | 5 |
| 6 | Sustainable reuse of fashion waste as flame-retardant mattress filing with ecofriendly chemicals. <i>Journal of Cleaner Production</i> , 2020, 251, 119620. | 4.6 | 19 |
| 7 | Silica aerogel-integrated nonwoven protective fabrics for chemical and thermal protection and thermophysiological wear comfort. <i>Journal of Materials Science</i> , 2020, 55, 2405-2418. | 1.7 | 40 |
| 8 | Crystallization kinetics, morphology and spherulite growth in poly(trimethylene terephthalate) modified with bisphenol-A diglycidyl ether. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 727-737. | 2.0 | 1 |
| 9 | Electrospun polyacrylonitrileâ€“silica aerogel coating on viscose nonwoven fabric for versatile protection and thermal comfort. <i>Cellulose</i> , 2020, 27, 10501-10517. | 2.4 | 26 |
| 10 | Three-dimensional directional nerve guide conduits fabricated by dopamine-functionalized conductive carbon nanofibre-based nanocomposite ink printing. <i>RSC Advances</i> , 2020, 10, 40351-40364. | 1.7 | 12 |
| 11 | Rheology and 3D Printability of Percolated Grapheneâ€“Polyamide-6 Composites. <i>Polymers</i> , 2020, 12, 2014. | 2.0 | 15 |
| 12 | Polypropylene-nanodiamond composite for hernia mesh. <i>Materials Science and Engineering C</i> , 2020, 111, 110780. | 3.8 | 31 |
| 13 | Advances and applications of chemical protective clothing system. <i>Journal of Industrial Textiles</i> , 2019, 49, 97-138. | 1.1 | 70 |
| 14 | Peripheral Nerve Conduit: Materials and Structures. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3349-3365. | 1.7 | 122 |
| 15 | Generalised superposition models for rheologically complex starch-nanohybrid films and integrational construction of master-curves. <i>Polymer Testing</i> , 2019, 80, 106124. | 2.3 | 1 |
| 16 | Aerobic biodegradation of starchâ€“polyurethane flexible films under soil burial condition: Changes in physical structure and chemical composition. <i>International Biodeterioration and Biodegradation</i> , 2019, 145, 104793. | 1.9 | 34 |
| 17 | Mechanical properties of carbon monoxide reduced grapheneâ€“polyamide-6 nanocomposites prepared by melt-mixing. <i>AIP Conference Proceedings</i> , 2019, , . | 0.3 | 1 |
| 18 | Nanodiamond Fabrication of Superhydrophilic Wool Fabrics. <i>Langmuir</i> , 2019, 35, 7105-7111. | 1.6 | 15 |

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|----|--|-----|-----------|
| 19 | Fabrication and characterization of nanodiamond coated cotton fabric for improved functionality. <i>Cellulose</i> , 2019, 26, 5797-5806. | 2.4 | 14 |
| 20 | Nanodiamond/poly- μ -caprolactone nanofibrous scaffold for wound management. <i>Materials Science and Engineering C</i> , 2019, 100, 378-387. | 3.8 | 38 |
| 21 | Polyurethane "superabsorbent polymer-coated cotton fabric for thermophysiological wear comfort. <i>Journal of Materials Science</i> , 2019, 54, 9267-9281. | 1.7 | 29 |
| 22 | Natural Rubber with Polyhedral Oligomeric Silsesquioxane, Nanocomposites, and Hybrids Compared by Molecular Modeling. <i>Macromolecular Theory and Simulations</i> , 2019, 28, 1800026. | 0.6 | 0 |
| 23 | Extraction of keratin from waste chicken feathers using sodium sulfide and L-cysteine. <i>Process Biochemistry</i> , 2019, 82, 205-214. | 1.8 | 41 |
| 24 | Molecular shape conversion of POSS-(PLLA) _x with various arm lengths and its effect on the compatibility of PLLA/POSS-(PLLA) _x as a nanofiller blended into PLLA matrix: From spiky ball to panel-like. <i>Computational Materials Science</i> , 2019, 164, 1-7. | 1.4 | 9 |
| 25 | Polyurethane-aerogel incorporated coating on cotton fabric for chemical protection. <i>Progress in Organic Coatings</i> , 2019, 131, 100-110. | 1.9 | 39 |
| 26 | Hard segment composition, morphology, tensile properties and biostability of linked-macrodiol based siloxane poly(urethane urea). <i>Materials Today Communications</i> , 2019, 18, 110-118. | 0.9 | 9 |
| 27 | Cellulose Solubility, Gelation, and Absorbency Compared with Designed Synthetic Polymers. <i>Polymers and Polymeric Composites</i> , 2019, , 97-122. | 0.6 | 0 |
| 28 | Morphology and surface properties of high strength siloxane poly(urethane "urea)s developed for heart valve application. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 112-121. | 1.6 | 28 |
| 29 | The Influence of Trisilanolisobutyl POSS on Domain Microstructure of a Polyurethane Hybrid Composite: A Molecular Simulation Approach. <i>Silicon</i> , 2019, 11, 2253-2260. | 1.8 | 5 |
| 30 | Design and characterization of sustainable bio "composites from waste chicken feather keratin and thermoplastic polyurethane. <i>Polymer Composites</i> , 2018, 39, E620. | 2.3 | 15 |
| 31 | Morphological structure and thermomechanical properties of hemp fibre reinforced poly(lactic acid) Nanocomposites plasticized with tributyl citrate. <i>Materials Today: Proceedings</i> , 2018, 5, 3211-3218. | 0.9 | 13 |
| 32 | Cork "PLA composite filaments for fused deposition modelling. <i>Composites Science and Technology</i> , 2018, 168, 230-237. | 3.8 | 124 |
| 33 | Cellulose Solubility, Gelation, and Absorbency Compared with Designed Synthetic Polymers. <i>Polymers and Polymeric Composites</i> , 2018, , 1-26. | 0.6 | 1 |
| 34 | Critical role of tetrasilanolphenyl "POSS moieties in competing mechanism of rigid cages and soft segments and its effect on the glass transition temperature of epoxy hybrids. <i>Computational Materials Science</i> , 2018, 152, 78-84. | 1.4 | 9 |
| 35 | Migration and performance of erucamide slip additive in high "density polyethylene bottle caps. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46822. | 1.3 | 17 |
| 36 | Flexible starch-polyurethane films: Effect of mixed macrodiol polyurethane ionomers on physicochemical characteristics and hydrophobicity. <i>Carbohydrate Polymers</i> , 2018, 197, 312-325. | 5.1 | 28 |

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|----|---|-----|-----------|
| 37 | Review on the Effects of Process Parameters on Strength, Shrinkage, and Warpage of Injection Molding Plastic Component. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1-12. | 1.9 | 49 |
| 38 | Recent Advances in Polyurethane-Based Nanocomposites: A Review. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1528-1541. | 1.9 | 48 |
| 39 | Structure and phase behaviour of microcrystalline cellulose in mixture with condensed systems of potato starch. <i>International Journal of Food Science and Technology</i> , 2017, 52, 800-807. | 1.3 | 3 |
| 40 | Flexible starch-polyurethane films: Physiochemical characteristics and hydrophobicity. <i>Carbohydrate Polymers</i> , 2017, 163, 236-246. | 5.1 | 40 |
| 41 | Effect of salt on the glass transition of condensed tapioca starch systems. <i>Food Chemistry</i> , 2017, 229, 120-126. | 4.2 | 25 |
| 42 | Thermoplastic starch-nanohybrid films with polyhedral oligomeric silsesquioxane. <i>Carbohydrate Polymers</i> , 2017, 173, 170-177. | 5.1 | 14 |
| 43 | Avian keratin fibre-based bio-composites. <i>World Journal of Engineering</i> , 2017, 14, 183-187. | 1.0 | 7 |
| 44 | Mechanism of phase separation in a weakly interacting system with strong dynamic asymmetry. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45059. | 1.3 | 3 |
| 45 | Tocopheryl acetate release from microcapsules of waxy maize starch. <i>Carbohydrate Polymers</i> , 2017, 167, 27-35. | 5.1 | 10 |
| 46 | Starch-polyurethane films synthesized using polyethylene glycol-isocyanate (PEG-iso): Effects of molecular weight, crystallinity, and composition of PEG-iso on physiochemical characteristics and hydrophobicity of the films. <i>Food Packaging and Shelf Life</i> , 2017, 14, 116-127. | 3.3 | 21 |
| 47 | Viscoelastic characterization of multifunctional composites incorporated with microencapsulated phase change materials. <i>Materials Today: Proceedings</i> , 2017, 4, 5239-5247. | 0.9 | 5 |
| 48 | A Gallium-Based Magnetocaloric Liquid Metal Ferrofluid. <i>Nano Letters</i> , 2017, 17, 7831-7838. | 4.5 | 101 |
| 49 | Slip-additive migration, surface morphology, and performance on injection moulded high-density polyethylene closures. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 537-545. | 5.0 | 35 |
| 50 | Effect of the glass transition temperature on alpha-amylase activity in a starch matrix. <i>Carbohydrate Polymers</i> , 2017, 157, 1531-1537. | 5.1 | 12 |
| 51 | Recycled synthetic polymer fibers in composites. , 2017, , 73-93. | | 3 |
| 52 | Creep and Recovery Behaviour of Polyolefin-Rubber Nanocomposites Developed for Additive Manufacturing. <i>Polymers</i> , 2016, 8, 437. | 2.0 | 35 |
| 53 | Characterization of nanocomposite filaments developed for additive manufacturing. <i>AIP Conference Proceedings</i> , 2016, , . | 0.3 | 0 |
| 54 | Interfacial interactions of thermally reduced graphene in poly(trimethylene terephthalate)-epoxy resin based composites. <i>Polymer</i> , 2016, 106, 140-151. | 1.8 | 10 |

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|----|---|-----|-----------|
| 55 | Thermophysical properties of multifunctional glass fibre reinforced polymer composites incorporating phase change materials. <i>Thermochimica Acta</i> , 2016, 642, 25-31. | 1.2 | 31 |
| 56 | Deterioration of polyaramid and polybenzimidazole woven fabrics after ultraviolet irradiation. <i>Journal of Applied Polymer Science</i> , 2016, 133, . | 1.3 | 20 |
| 57 | Properties of cementitious mortar and concrete containing micro-encapsulated phase change materials. <i>Construction and Building Materials</i> , 2016, 120, 408-417. | 3.2 | 152 |
| 58 | Preparation, characterisation, and <i>in vitro</i> evaluation of electrically conducting poly(ϵ -caprolactone)-based nanocomposite scaffolds using PC12 cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 853-865. | 2.1 | 36 |
| 59 | Properties enhancement in multiwalled carbon nanotube-magnetite hybrid-filled polypropylene natural rubber nanocomposites through functionalization and processing methods. <i>Science and Engineering of Composite Materials</i> , 2016, 23, 257-267. | 0.6 | 3 |
| 60 | Conductive polyolefin-rubber nanocomposites with carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 80, 13-20. | 3.8 | 31 |
| 61 | Imaging the phase of starch-gelatin blends by confocal Raman microscopy. <i>Food Hydrocolloids</i> , 2016, 60, 7-10. | 5.6 | 26 |
| 62 | Functionalised graphene-multiwalled carbon nanotube hybrid poly(styrene-b-butadiene-b-styrene) nanocomposites. <i>Composites Part B: Engineering</i> , 2016, 90, 315-325. | 5.9 | 50 |
| 63 | Calcium chloride effects on the glass transition of condensed systems of potato starch. <i>Food Chemistry</i> , 2016, 199, 791-798. | 4.2 | 21 |
| 64 | Diffusion of nicotinic acid in spray-dried capsules of whey protein isolate. <i>Food Hydrocolloids</i> , 2016, 52, 811-819. | 5.6 | 16 |
| 65 | Preparation of graphene and inclusion in composites with poly(styrene-b-butadiene-b-styrene). <i>Science and Engineering of Composite Materials</i> , 2015, 22, 7-16. | 0.6 | 11 |
| 66 | Mechanical reprocessing of polyolefin waste: A review. <i>Polymer Engineering and Science</i> , 2015, 55, 2899-2909. | 1.5 | 129 |
| 67 | Characterization of kenaf fiber composites prepared with tributyl citrate plasticized cellulose acetate. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 70, 52-58. | 3.8 | 29 |
| 68 | Fiber preparation and mechanical properties of recycled polypropylene for reinforcing concrete. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 44 |
| 69 | Effect of sodium chloride on the glass transition of condensed starch systems. <i>Food Chemistry</i> , 2015, 184, 65-71. | 4.2 | 21 |
| 70 | The Effect of Humping Semi-Enclosed Cage Structure on Polymer Chains Characteristics of TSI-POSS/PU Hybrid Composites. <i>Applied Mechanics and Materials</i> , 2015, 751, 30-34. | 0.2 | 2 |
| 71 | Purification of avian biological material to refined keratin fibres. <i>RSC Advances</i> , 2015, 5, 69899-69906. | 1.7 | 4 |
| 72 | Study of dielectric and mechanical properties of epoxy/SiO ₂ nanocomposite prepared by different processing techniques. , 2015, , . | | 4 |

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|----|---|-----|-----------|
| 73 | Highly-filled hybrid composites prepared using centrifugal deposition. Journal of Polymer Engineering, 2014, 34, 875-881. | 0.6 | 2 |
| 74 | Multiple melting behavior of poly(lactic acid)-hemp-silica composites using modulated-temperature differential scanning calorimetry. Journal of Polymer Engineering, 2014, 34, 895-903. | 0.6 | 7 |
| 75 | Cellulose fibre-cellulose acetate hybrid composites with nanosilica. Journal of Polymer Engineering, 2014, 34, 141-144. | 0.6 | 2 |
| 76 | Biomimetic materials: A challenge for nano-scale self-assembly. EXPRESS Polymer Letters, 2014, 8, 543-543. | 1.1 | 2 |
| 77 | Morphology and phase composition of gelatin-starch blends. Chinese Journal of Polymer Science (English Edition), 2014, 32, 108-114. | 2.0 | 27 |
| 78 | Polymer Blends. , 2014, , 1-14. | | 10 |
| 79 | Stereochemistry and miscibility of epoxy resin-poly(trimethylene terephthalate) blends. RSC Advances, 2014, 4, 25420-25429. | 1.7 | 8 |
| 80 | Modification and evaluation of thermal properties of melamine-formaldehyde/n-eicosane microcapsules for thermo-regulation applications. Applied Thermal Engineering, 2014, 71, 11-15. | 3.0 | 59 |
| 81 | Elevation of charring level of polyamide-6,6 films via ionic introduction of phosphoric acid and boric acid esters. Green Chemistry Letters and Reviews, 2014, 7, 184-190. | 2.1 | 6 |
| 82 | Trisilanolisobutyl POSS/polyurethane hybrid composites: preparation, WAXS and thermal properties. Polymer Bulletin, 2014, 71, 2453-2464. | 1.7 | 19 |
| 83 | Characterization of Nanostructured Materials. , 2014, , 15-31. | | 3 |
| 84 | Enzymatic catalysis in a whey protein matrix at temperatures in the vicinity of the glass transition. Food Research International, 2014, 62, 671-676. | 2.9 | 2 |
| 85 | Epoxy-silica composites replicating wood cell structure. Composites Part A: Applied Science and Manufacturing, 2014, 62, 11-15. | 3.8 | 9 |
| 86 | Bio-composites based on cellulose acetate and kenaf fibers: Processing and properties. , 2014, , . | | 3 |
| 87 | Thermoplastic starch films: DOE and O2PLS methodology for optimization and increased understanding of polymer processing. Polymer Testing, 2013, 32, 343-352. | 2.3 | 5 |
| 88 | Plasma polymerised thin films for flexible electronic applications. Thin Solid Films, 2013, 546, 167-170. | 0.8 | 46 |
| 89 | Developing gelatin-starch blends for use as capsule materials. Carbohydrate Polymers, 2013, 92, 455-461. | 5.1 | 82 |
| 90 | Phase composition and interface of starch-gelatin blends studied by synchrotron FTIR micro-spectroscopy. Carbohydrate Polymers, 2013, 95, 649-653. | 5.1 | 84 |

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|-----|---|-----|-----------|
| 91 | Dynamic and Modulated Mechanical Evaluation of Polymer Structures. <i>Advanced Materials Research</i> , 2013, 685, 107-111. | 0.3 | 0 |
| 92 | Processing Cellulose for Cellulose Fiber and Matrix Composites. , 2013, , 45-62. | | 1 |
| 93 | Novel elastomer dye-functionalised POSS nanocomposites: Enhanced colourimetric, thermomechanical and thermal properties. <i>EXPRESS Polymer Letters</i> , 2012, 6, 354-372. | 1.1 | 15 |
| 94 | In situ small angle X-ray scattering investigation of the thermal expansion and related structural information of carbon nanotube composites. <i>Progress in Natural Science: Materials International</i> , 2012, 22, 673-683. | 1.8 | 11 |
| 95 | Interlayer self-healing and toughening of carbon fibre/epoxy composites using copolymer films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 512-518. | 3.8 | 97 |
| 96 | Preparation and properties of poly(propylene-g-maleic anhydride) filled with expanded graphite oxide. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 1092-1100. | 3.8 | 12 |
| 97 | Thermal and Optical Characterization of Polymer-Dispersed Liquid Crystals. <i>International Journal of Polymer Science</i> , 2012, 2012, 1-13. | 1.2 | 8 |
| 98 | Novel polyhedral oligomeric silsesquioxane- ϵ -substituted dendritic polyester tougheners for linear thermoplastic polyurethane. <i>Journal of Applied Polymer Science</i> , 2012, 126, E440. | 1.3 | 15 |
| 99 | Novel elastomer- ϵ -dumbbell functionalized POSS composites: Thermomechanical and Morphological Properties. <i>Journal of Applied Polymer Science</i> , 2012, 123, 585-600. | 1.3 | 16 |
| 100 | Comparison of reversible melting behaviour of poly(3-hydroxybutyrate) using quasi-isothermal and other modulated temperature differential scanning calorimetry techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 1117-1124. | 2.0 | 11 |
| 101 | Gelatinization and retrogradation of thermoplastic starch characterized using modulated temperature differential scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 93-99. | 2.0 | 13 |
| 102 | Linear thermal expansion, thermal ageing, relaxations and post-cure of thermoset polymer composites using modulated temperature thermomechanometry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 151-158. | 2.0 | 10 |
| 103 | Enthalpy and Volume Relaxation of Core- ϵ -Crosslinked Star Polystyrene/Poly(methyl methacrylate) Blends. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1677-1691. | 1.1 | 6 |
| 104 | Thermal, Optical, and Static/Dynamic Mechanical Properties of Linear- ϵ -core Crosslinked Star Polymer Blends. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1778-1790. | 1.1 | 6 |
| 105 | Development of high stability catalysts to facilitate CO ₂ capture into water- ϵ "An alternative to monoethanolamine and amine solvents. <i>Energy Procedia</i> , 2011, 4, 1691-1698. | 1.8 | 10 |
| 106 | Thermoplastic starch- ϵ -silica- ϵ -polyvinyl alcohol composites by reactive extrusion. <i>Carbohydrate Polymers</i> , 2011, 84, 343-350. | 5.1 | 43 |
| 107 | Poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene)-Dye-Coupled Polyhedral Oligomeric Silsesquioxanes. <i>Advanced Materials Research</i> , 2010, 123-125, 169-172. | 0.3 | 0 |
| 108 | Thermal Relaxations of Polymers Revealed by Reversing and Non-Reversing Coefficient of Thermal Expansion. <i>Advanced Materials Research</i> , 2010, 123-125, 451-454. | 0.3 | 0 |

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|-----|--|-----|-----------|
| 109 | Physically Networked Polymers: Materials that change with their environment. EXPRESS Polymer Letters, 2010, 4, 742-742. | 1.1 | 1 |
| 110 | Characterization and Thermal Behaviour of Polymer-Dispersed Liquid Crystals. Advanced Materials Research, 2010, 152-153, 284-287. | 0.3 | 1 |
| 111 | Interfacial properties of all-polypropylene composites. E-Polymers, 2010, 10, . | 1.3 | 1 |
| 112 | Fabrication and Characterization of RF Plasma Polymerized Thin Films from 3,7-Dimethyl-1,6-octadien-3-ol for Electronic and Biomaterial Applications. Advanced Materials Research, 2010, 123-125, 323-326. | 0.3 | 7 |
| 113 | Fire-retardant and fire-barrier poly(vinyl acetate) composites for sealant application. EXPRESS Polymer Letters, 2010, 4, 79-93. | 1.1 | 38 |
| 114 | Surface and Chemical Characterization of PolyLA Thin Films Fabricated Using Plasma Polymerization. Chemical Vapor Deposition, 2009, 15, 179-185. | 1.4 | 9 |
| 115 | Biocomposites of Cellulose Acetate Butyrate with Modified Hemp Cellulose Fibres. Macromolecular Materials and Engineering, 2009, 294, 213-221. | 1.7 | 25 |
| 116 | Fabrication and characterisation of polymer thin-films derived from cineole using radio frequency plasma polymerisation. Polymer, 2009, 50, 3465-3469. | 1.8 | 28 |
| 117 | Preparation, structure and mechanical properties of all-hemp cellulose biocomposites. Composites Science and Technology, 2009, 69, 2119-2126. | 3.8 | 68 |
| 118 | Crystallinity and structure of starch using wide angle X-ray scattering. Carbohydrate Polymers, 2009, 78, 543-548. | 5.1 | 171 |
| 119 | Polypropylene- μ microcrystalline cellulose composites with enhanced compatibility and properties. Composites Part A: Applied Science and Manufacturing, 2009, 40, 791-799. | 3.8 | 162 |
| 120 | Modelling of polypropylene fibre-matrix composites using finite element analysis. EXPRESS Polymer Letters, 2009, 3, 2-12. | 1.1 | 24 |
| 121 | Miscibility, melting, and crystallization behavior of poly(hydroxybutyrate) and poly(D,L-lactic acid) blends. Polymer Engineering and Science, 2008, 48, 1683-1692. | 1.5 | 45 |
| 122 | Poly(4-vinylpyridine)-based hydrogen bonded side-chain liquid crystal polymers. Reactive and Functional Polymers, 2008, 68, 1097-1102. | 2.0 | 24 |
| 123 | Fire performance of poly(dimethyl siloxane) composites evaluated by cone calorimetry. Composites Part A: Applied Science and Manufacturing, 2008, 39, 398-405. | 3.8 | 86 |
| 124 | Creep behaviour of biopolymers and modified flax fibre composites. Composite Interfaces, 2008, 15, 131-145. | 1.3 | 19 |
| 125 | Oxygen barrier property of polypropylene-polyether treated clay nanocomposite. EXPRESS Polymer Letters, 2008, 2, 429-439. | 1.1 | 38 |
| 126 | Thermoplastic polymer-dispersed liquid crystals prepared from solvent-induced phase separation with predictions using solubility parameters. Liquid Crystals, 2007, 34, 1349-1356. | 0.9 | 27 |

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|-----|--|-----|-----------|
| 127 | Intercalation of Montmorillonite by Interlayer Adsorption and Complex Formation. <i>Advanced Materials Research</i> , 2007, 29-30, 295-298. | 0.3 | 4 |
| 128 | Design and Optimization of Biopolyester Bagasse Fiber Composites. <i>Journal of Biobased Materials and Bioenergy</i> , 2007, 1, 46-55. | 0.1 | 17 |
| 129 | Mechanical and thermal properties of toughened polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2007, 105, 390-397. | 1.3 | 23 |
| 130 | Poly(caprolactone) thin film preparation, morphology, and surface texture. <i>Journal of Applied Polymer Science</i> , 2007, 103, 1287-1294. | 1.3 | 21 |
| 131 | Morphology, Thermal Stability, and Mechanical Behavior of [Poly(propylene)-grafted Maleic Anhydride]-Layered Expanded Graphite Oxide Composites. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 155-168. | 1.7 | 48 |
| 132 | Time-Temperature Creep Behaviour of Poly(propylene) and Polar Ethylene Copolymer Blends. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 184-196. | 1.7 | 25 |
| 133 | Structural, mechanical and dielectric properties of poly(ethylene-co-methyl acrylate-co-acrylic acid) graphite oxide nanocomposites. <i>Composites Science and Technology</i> , 2007, 67, 79-91. | 3.8 | 58 |
| 134 | Effect of additives on the interfacial strength of poly(L-lactic acid) and poly(3-hydroxy butyric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 | 3.8 | 53 |
| 135 | Structural and thermal interpretation of the synergy and interactions between the fire retardants magnesium hydroxide and zinc borate. <i>Polymer Degradation and Stability</i> , 2007, 92, 2-13. | 2.7 | 104 |
| 136 | Isothermal crystallization studies of poly(butylene terephthalate) composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1344-1353. | 2.4 | 14 |
| 137 | New Ceramifying Polymer Materials for Passive Fire Protection Applications. <i>Journal of ASTM International</i> , 2007, 4, 100516. | 0.2 | 1 |
| 138 | Molecular functionality and self-assembled polymer compositions. <i>EXPRESS Polymer Letters</i> , 2007, 1, 481-481. | 1.1 | 0 |
| 139 | Thermal memory of poly(3-hydroxybutyrate) using temperature-modulated differential scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 70-78. | 2.4 | 16 |
| 140 | Acrylic acid level and adhesive performance and peel master-curves of acrylic pressure-sensitive adhesives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 1237-1252. | 2.4 | 30 |
| 141 | Monte Carlo simulations of properties of side-chain liquid-crystal polymers. <i>Polymer International</i> , 2006, 55, 1323-1329. | 1.6 | 5 |
| 142 | Crystallisation, melting, recrystallisation and polymorphism of n-eicosane for application as a phase change material. <i>Thermochimica Acta</i> , 2006, 443, 235-244. | 1.2 | 68 |
| 143 | Solvent and enzyme induced recrystallization of mechanically degraded hemp cellulose. <i>Cellulose</i> , 2006, 13, 31-44. | 2.4 | 59 |
| 144 | Admicellar polymerization of styrene with divinyl benzene on alumina particles: the synthesis of white reinforcing fillers. <i>Journal of Materials Science</i> , 2006, 41, 7474-7482. | 1.7 | 22 |

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|-----|--|-----|-----------|
| 145 | Isothermal crystallisation kinetics of poly(3-hydroxybutyrate) using step-scan DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 83, 313-319. | 2.0 | 25 |
| 146 | Composites of poly(lactic acid) with flax fibers modified by interstitial polymerization. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2305-2313. | 1.3 | 68 |
| 147 | Composites of poly(lactic acid) with flax fibers modified by interstitial polymerization. <i>Journal of Applied Polymer Science</i> , 2006, 101, 3620-3629. | 1.3 | 45 |
| 148 | Properties of hydrophobically modified polyacrylamide with low molecular weight and interaction with surfactant in aqueous solution. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4348-4360. | 1.3 | 26 |
| 149 | Mechanical and Thermal Properties of Flexible Poly(propylene) Composites. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 59-67. | 1.7 | 20 |
| 150 | Cure rate and dry etch patterning of thermoset polymers. , 2005, , . | | 0 |
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