# Selvaraj Nagarajan

## List of Publications by Year in descending order



| | | | |
|---|---|---|---|
| 215 papers | 3,975 citations | 159585 30 h-index | 243625 44 g-index |
| 220 all docs | 220 docs citations | 220 times ranked | 2358 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Grating assembly in periodic crystal aggregates of aliphatic polyesters with potential iridescence photonics. Journal of Polymer Research, 2022, 29, 1. | 2.4 | 2 |
| 2 | Unique Periodic Rings Composed of Fractal-Growth Dendritic Branching in Poly(p-dioxanone). Polymers, 2022, 14, 805. | 4.5 | 2 |
| 3 | Morphology Modulation in Self-Assembly of Chiral 2-Hydroxy-2-Phenylacetic Acids in Polymeric Diluents. Crystals, 2022, 12, 807. | 2.2 | 1 |
| 4 | Periodic Hierarchical Structures in Poly(p-dioxanone) Modulated with Miscible Diluents: Top-Surface and Interior Analyses. Industrial & Engineering Chemistry Research, 2022, 61, 11046-11055. | 3.7 | 2 |
| 5 | Sophisticated dual-discontinuity periodic bands of poly(nonamethylene terephthalate). CrystEngComm, 2021, 23, 892-903. | 2.6 | 9 |
| 6 | Stereocomplexation of enantiomeric star-shaped poly(lactide)s with a chromophore core. CrystEngComm, 2021, 23, 2122-2132. | 2.6 | 5 |
| 7 | Star-Shaped Polylactide Dipyridamole Conjugated to 5-Fluorouracil and 4-Piperidinopiperidine Nanocarriers for Bioimaging and Dual Drug Delivery in Cancer Cells. ACS Applied Polymer Materials, 2021, 3, 737-756. | 4.4 | 10 |
| 8 | Periodic Assembly of Polyethylene Spherulites Reâ€Investigated by Breakthrough Interior Dissection. Macromolecular Rapid Communications, 2021, 42, e2000708. | 3.9 | 13 |
| 9 | Synchrotron Xâ€Ray Analysis and Morphology Evidence for Stereoâ€Assemblies of Periodic Aggregates in Poly(3â€hydroxybutyrate) with Unusual Photonic Iridescence. Macromolecular Rapid Communications, 2021, 42, e2100281. | 3.9 | 16 |
| 10 | Microstructural Periodic Arrays in Poly(Butylene Adipate) Featured with Photonic Crystal Aggregates. Macromolecular Rapid Communications, 2021, 42, e2100202. | 3.9 | 11 |
| 11 | Periodic crystal assembly of Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid): From surface to interior microstructure. Polymer, 2021, 228, 123866. | 3.8 | 9 |
| 12 | Unique Optical Periodicity Assembly of Discrete Dendritic Lamellae and Pyramidal Single Crystals in Poly(Îµ-caprolactone). ACS Applied Materials & Interfaces, 2021, 13, 41200-41208. | 8.0 | 17 |
| 13 | Lamellar Assembly Mechanism on Dendritic Ringâ€Banded Spherulites of Poly(Îµâ€caprolactone). Macromolecular Rapid Communications, 2021, 42, e2100359. | 3.9 | 10 |
| 14 | Sluggish growth of poly(Îµ-caprolactone) leads to petal-shaped aggregates packed with thick-stack lamellar bundles. CrystEngComm, 2021, 23, 5321-5330. | 2.6 | 10 |
| 15 | Epicycloid extinction-band assembly in Poly(decamethylene terephthalate) confined in thin films and crystallized at high temperatures. Polymer, 2021, 212, 123256. | 3.8 | 12 |
| 16 | In-Situ Growth of Nucleus Geometry to Dual Types of Periodically Ringed Assemblies in Poly(nonamethylene terephthalate). Crystals, 2021, 11, 1338. | 2.2 | 2 |
| 17 | Crystal aggregation into periodically grating-banded assemblies in phthalic acid modulated by molten poly(ethylene oxide). CrystEngComm, 2020, 22, 467-477. | 2.6 | 8 |
| 18 | Morphological analyses evidencing corrugate-grating lamellae assembly in banded spherulites of Poly(ethylene adipate). Polymer, 2020, 188, 122141. | 3.8 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Novel reinforcement behavior in nanofilled natural rubber (NR) / butadiene-acrylonitrile rubber (NBR) blends: Filling-polymer network and supernanosphere. Polymer, 2020, 186, 122005. | 3.8 | 29 |
| 20 | Three-dimensional periodic architecture in Poly(Îµ-caprolactone) crystallized in bulk aggregates. Polymer, 2020, 210, 123059. | 3.8 | 13 |
| 21 | Periodic Fractal-Growth Branching to Nano-Structured Grating Aggregation in Phthalic Acid. Scientific Reports, 2020, 10, 4062. | 3.3 | 18 |
| 22 | Unusual Ringed/Dendritic Sector Faces in Poly(butylene succinate) Crystallized with Isomeric Polymer. Industrial & Engineering Chemistry Research, 2020, 59, 7485-7494. | 3.7 | 7 |
| 23 | Unusual Radiating-Stripe Morphology in Nonequimolar Mixtures of Poly(<scp>l</scp>-lactic acid) with Poly(<scp>d</scp>-lactic acid). Macromolecules, 2020, 53, 2157-2168. | 4.8 | 17 |
| 24 | Explosive Fibonacci-sequence growth into unusual sector-face morphology in poly(l-lactic acid) crystallized with polymeric diluents. Scientific Reports, 2020, 10, 10811. | 3.3 | 11 |
| 25 | Dendritic polymer spherulites: birefringence correlating with lamellae assembly and origins of superimposed ring bands. Journal of Polymer Research, 2020, 27, 1. | 2.4 | 16 |
| 26 | Probing the interior lamellar periodicity and nano-assembly of polymer spherulites via combinatory etching methodology. Polymer, 2019, 176, 179-187. | 3.8 | 2 |
| 27 | Surface-relief and interior lamellar assembly in Janus-face spherulites of Poly(butylene succinate) crystallized with Poly(ethylene oxide). Polymer, 2019, 176, 168-178. | 3.8 | 8 |
| 28 | Impact of uniaxial tensile fatigue on the evolution of microscopic and mesoscopic structure of carbon black filled natural rubber. Royal Society Open Science, 2019, 6, 181883. | 2.4 | 5 |
| 29 | Systematic probing into periodic lamellar assembly via induced cracks in crystallized polyesters. Polymer, 2019, 166, 88-97. | 3.8 | 13 |
| 30 | Relationship between twisting phenomenon and structural discontinuity of stacked lamellae in the spherulite of poly(ethylene adipate) as studied by the synchrotron X-ray microbeam technique. Polymer Journal, 2019, 51, 131-141. | 2.7 | 19 |
| 31 | Three-dimensional interior analyses on periodically banded spherulites of poly(dodecamethylene) Tj ETQq1 1 0.784314 rgBT /Overlock | 2.6 | 14 |
| 32 | Effects of Amphiphilic Chitosan on Stereocomplexation and Properties of Poly(lactic acid) Nano-biocomposite. Scientific Reports, 2018, 8, 4351. | 3.3 | 46 |
| 33 | Crystallization in arylate polyesters to periodically ringed assembly. Polymer Crystallization, 2018, 1, e10018. | 0.8 | 5 |
| 34 | Influence of Branched Polyester Chains on the Emission Behavior of Dipyridamole Molecule and Its Biosensing Ability. ACS Omega, 2018, 3, 15530-15537. | 3.5 | 4 |
| 35 | Anatomy into Interior Lamellar Assembly in Nuclei-Dependent Diversified Morphologies of Poly(<scp>l</scp>-lactic acid). Macromolecules, 2018, 51, 7722-7733. | 4.8 | 26 |
| 36 | Biomimetically Structured Lamellae Assembly in Periodic Banding of Poly(ethylene adipate) Crystals. Macromolecules, 2018, 51, 3845-3854. | 4.8 | 26 |

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|---|---|---|---|
| 37 | Study on phase transition behavior and lamellar orientation of uniaxially stretched poly(ÊŸ-lactide) / cellulose nanocrystal-graft-poly(d-lactide) blend. Polymer, 2018, 150, 184-193. | 3.8 | 8 |
| 38 | Lamellae Assembly in Dendritic Spherulites of Poly(l-lactic Acid) Crystallized with Poly(p-Vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 | 4.5 | 10 |
| 39 | Green and facile surface modification of cellulose nanocrystal as the route to produce poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overloc | 10.2 | 68 |
| 40 | Crystallization Behavior of Crystallineâ€“Amorphous and Crystallineâ€“Crystalline Block Copolymers Containing Poly( l -lactide). , 2018, , 93-122. | | 2 |
| 41 | Periodic extinction bands composed of all flatâ€on lamellae in poly(dodecamethylene terephthalate) thin films crystallized at high temperatures. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 601-611. | 2.1 | 14 |
| 42 | Interior Dissection on Domain-Dependent Birefringence Types of Poly(3-hydroxybutyrate) Spherulites in Blends. Macromolecules, 2017, 50, 283-295. | 4.8 | 11 |
| 43 | Structured growth from sheaf-like nuclei to highly asymmetric morphology in poly(nonamethylene) Tj ETQq1 1 0.784314 rgBT /Overlo | 3.6 | 12 |
| 44 | Enhanced Toughness and Thermal Stability of Cellulose Nanocrystal Iridescent Films by Alkali Treatment. ACS Sustainable Chemistry and Engineering, 2017, 5, 8951-8958. | 6.7 | 85 |
| 45 | Nano-assembly of intertwining lamellae of opposite bending senses in poly(ethylene oxide) co-crystallizing with poly(p-vinyl phenol). Journal of Polymer Research, 2017, 24, 1. | 2.4 | 5 |
| 46 | Dendritic lamellar assembly in solution-cast poly(l-lactic acid) spherulites. CrystEngComm, 2017, 19, 6002-6007. | 2.6 | 10 |
| 47 | Multishell Oblate Spheroid Growth in Poly(trimethylene terephthalate) Banded Spherulites. Macromolecules, 2017, 50, 5898-5904. | 4.8 | 28 |
| 48 | Star-Shaped Poly(<scp>l</scp>-lactide) with a Dipyridamole Core: Role of Polymer Chain Packing on Induced Circular Dichroism and Photophysical Properties of Dipyridamole. Macromolecules, 2017, 50, 5261-5270. | 4.8 | 13 |
| 49 | Interior Lamellar Assembly and Optical Birefringence in Poly(trimethylene terephthalate) Spherulites: Mechanisms from Past to Present. Crystals, 2017, 7, 56. | 2.2 | 26 |
| 50 | Atomic-Force Microscopy Analyses on Dislocation in Extinction Bands of Poly(dodecamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 | 2.2 | 6 |
| 51 | Asymmetric Growth of Co-Crystallized Nano- and Micrometer-Sized Lamellae to Janus-Faced Spherulites in Poly(<scp>l</scp>-lactic acid) with Amorphous Poly(methyl methacrylate). Crystal Growth and Design, 2017, 17, 5034-5037. | 3.0 | 15 |
| 52 | Cracks in Polymer Spherulites: Phenomenological Mechanisms in Correlation with Ring Bands. Polymers, 2016, 8, 329. | 4.5 | 16 |
| 53 | Three types of banded structures in highly birefringent poly(trimethylene terephthalate) spherulites. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1207-1216. | 2.1 | 28 |
| 54 | Hierarchically Diminishing Chirality Effects on Lamellar Assembly in Spherulites Comprising Chiral Polymers. Macromolecules, 2016, 49, 2698-2708. | 4.8 | 41 |

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|---|---|---|---|
| 55 | Iridescent graphene/cellulose nanocrystal film with water response and highly electrical conductivity. RSC Advances, 2016, 6, 93673-93679. | 3.6 | 24 |
| 56 | Novel approaches to study the crystal assembly in banded spherulites of poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Tc | 2.6 | 24 |
| 57 | Shapes and Origins of Cracks and Correlations with Lamellae Assembly in Poly(Lâ€lactic acid). Macromolecular Symposia, 2016, 369, 87-91. | 0.7 | 3 |
| 58 | Synthesis and characterization of cellulose nanocrystal-graft-poly(d-lactide) and its nanocomposite with poly(l-lactide). Polymer, 2016, 103, 365-375. | 3.8 | 55 |
| 59 | Structural evolution of poly(l-lactide) block upon heating of the glassy ABA triblock copolymers containing poly(l-lactide) A blocks. Polymer, 2016, 105, 422-430. | 3.8 | 19 |
| 60 | Analysis of crystal assembly in banded spherulites of phthalic acid upon solvent evaporation. CrystEngComm, 2016, 18, 977-985. | 2.6 | 27 |
| 61 | Effect of silica particle size in cellulose membrane for desalination process. AIP Conference Proceedings, 2015, , . | 0.4 | 3 |
| 62 | Effects of top confinement and diluents on morphology in crystallization of poly(<scp>l</scp>â€lactic) Tj ETQq0 0 0 rgBT /Overlock 10 T<br>53, 1160-1170. | 2.1 | 17 |
| 63 | Effects of Glycineâ€Based Ionic Liquid on Spherulite Morphology of Poly(<scp>l</scp>â€Lactide). Macromolecular Chemistry and Physics, 2015, 216, 1291-1301. | 2.2 | 10 |
| 64 | Banded Crystalline Spherulites in Polymers and Organic Compounds: Interior Lamellar Structures Correlating with Top-Surface Topology. Journal of Advanced Chemical Engineering, 2015, 5, . | 0.1 | 4 |
| 65 | Spacer length controlled highly thermo reversible polyurethaneâ€“urea based on polystyrene: synthesis and crystallization studies. Polymers for Advanced Technologies, 2015, 26, 160-166. | 3.2 | 3 |
| 66 | Origins of periodic bands in polymer spherulites. European Polymer Journal, 2015, 71, 27-60. | 5.4 | 81 |
| 67 | Transitional Ring Bands Constructed by Discrete Positive- and Negative-Birefringence Lamellae Packed in Poly(1,6-hexamethylene adipate) Spherulites. Macromolecules, 2015, 48, 7953-7967. | 4.8 | 19 |
| 68 | Cold Crystallization of PDMS and PLLA in Poly(<scp>l</scp>-lactide-b-dimethylsiloxane-b-<scp>l</scp>-lactide) Triblock Copolymer and Their Effect on Nanostructure Morphology. Macromolecules, 2015, 48, 5367-5377. | 4.8 | 29 |
| 69 | Intertwining lamellar assembly in porous spherulites composed of two ring-banded poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock | 2.7 | 17 |
| 70 | Highly Solventâ€Resistant Polystyrene Based on Uniform Tetraamide Units. Advances in Polymer Technology, 2015, 34, . | 1.7 | 1 |
| 71 | Chemical and Morphological Alterations Effected by Methylamine Reactions on Polyesters. Macromolecular Chemistry and Physics, 2014, 215, 1297-1305. | 2.2 | 10 |
| 72 | Oppositely Synchronized Lamellar Bending in Poly(<scp>l</scp>â€lactic acid) Versus Poly(<scp>d</scp>â€lactic acid) Blended with Poly(1,4â€butylene adipate). Macromolecular Chemistry and Physics, 2014, 215, 978-987. | 2.2 | 8 |

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| 73 | Microscopy and microbeam X-ray analyses in poly(3-hydroxybutyrate-co-3-hydroxyvalerate) with amorphous poly(vinyl acetate). Polymer, 2014, 55, 6906-6914. | 3.8 | 19 |
| 74 | Composite banded core and non-banded shell transition patterns in stereocomplexed poly(lactide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 3.6 | 11 |
| 75 | Dendritic Morphology Composed of Stacked Single Crystals in Poly(ethylene succinate) Melt-Crystallized with Poly(p-vinyl phenol). Crystal Growth and Design, 2014, 14, 576-584. | 3.0 | 21 |
| 76 | Diversification of spherulite patterns in poly(ethylene succinate) crystallized with strongly interacting poly(4-vinyl phenol). Journal of Polymer Research, 2014, 21, 1. | 2.4 | 10 |
| 77 | Coexisting Straight, Radial, and Banded Lamellae on the Six Corners of Hexagonâ€Shaped Spherulites in Poly(<scp>l</scp>â€Lactide). Macromolecular Chemistry and Physics, 2014, 215, 1838-1847. | 2.2 | 9 |
| 78 | Distorted ring-banded spherulites in poly(l-lactic acid)/poly(Îµ-caprolactone) blends. RSC Advances, 2014, 4, 49006-49015. | 3.6 | 6 |
| 79 | Multifunctional star-shaped polylactic acid implants for use in angioplasty. Journal of Materials Chemistry B, 2014, 2, 6549-6559. | 5.8 | 9 |
| 80 | A novel hexagonal crystal with a hexagonal star-shaped central core in poly(l-lactide) (PLLA) induced by an ionic liquid. CrystEngComm, 2014, 16, 4945-4949. | 2.6 | 15 |
| 81 | Interior Lamellar Assembly in Correlation to Top-Surface Banding in Crystallized Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 3.0 | 38 |
| 82 | Phase-Separation Induced Lamellar Re-Assembly and Spherulite Optical Birefringence Reversion. Macromolecules, 2014, 47, 5624-5632. | 4.8 | 15 |
| 83 | Anisotropic Nucleation and Janus-Faced Crystals of Poly(<scp>l</scp>-lactic acid) Interacting with an Amorphous Diluent. Industrial & Engineering Chemistry Research, 2014, 53, 9772-9780. | 3.7 | 12 |
| 84 | Lamellar assembly corresponding to transitions of positively to negatively birefringent spherulites in poly(ethylene adipate) with phenoxy. Colloid and Polymer Science, 2013, 291, 817-826. | 2.1 | 25 |
| 85 | Perpendicularly oriented lamellae in poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) blended with an amorphous polymer: ultra-thin to thick films. Physical Chemistry Chemical Physics, 2013, 15, 2495. | 2.8 | 31 |
| 86 | Polypropylene-blended organoclay nanocomposites â€“ preparation, characterisation and properties. Journal of Experimental Nanoscience, 2013, 8, 480-492. | 2.4 | 13 |
| 87 | Unconventional Nonâ€birefringent or Birefringent Concentric Ringâ€Banded Spherulites in Poly(<scp>L</scp>â€lactic acid) Thin Films. Macromolecular Chemistry and Physics, 2013, 214, 673-680. | 2.2 | 48 |
| 88 | Microscopic Lamellar Assembly and Birefringence Patterns in Poly(1,6-hexamethylene adipate) Packed with or without Amorphous Poly(vinyl methyl ether). Industrial & Engineering Chemistry Research, 2013, 52, 3779-3786. | 3.7 | 9 |
| 89 | Configurational effects on the crystalline morphology and amorphous phase behavior in poly(3â€hydroxybutyrate) blends with tactic poly(methyl methacrylate). Journal of Applied Polymer Science, 2013, 129, 3113-3125. | 2.6 | 2 |
| 90 | Lamellar assembly and orientation-induced internal micro-voids by cross-sectional dissection of poly(ethylene oxide)/poly(L-lactic acid) blend. EXPRESS Polymer Letters, 2013, 7, 396-405. | 2.1 | 14 |

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| 91 | Mechanisms of Multiple Types of Lamellae and Spherulites in Poly(<scp>l</scp>â€lactic acid) Interacting with Poly(4â€vinyl phenol). Macromolecular Chemistry and Physics, 2013, 214, 2345-2354. | 2.2 | 17 |
| 92 | Macromol. Chem. Phys. 21/2012. Macromolecular Chemistry and Physics, 2012, 213, 2320-2320. | 2.2 | 0 |
| 93 | Surface Nanopatterns of Two Types of Banded Spherulites in Poly(nonamethylene terephthalate) Thin Films. Journal of Physical Chemistry B, 2012, 116, 5071-5079. | 2.6 | 21 |
| 94 | Phase Separation and Lamellae Assembly below UCST in Poly(<scp>l</scp>-lactic acid)/Poly(1,4-butylene) Tj ETQq0 0 0 rgBT /Overlock 1 | 4.8 | 36 |
| 95 | Phase behavior, polymorphism and spherulite morphology in Poly(1,4-butylene adipate) interacting with two structurally similar acrylic polymers. Polymer, 2012, 53, 3815-3826. | 3.8 | 33 |
| 96 | Optical Birefringence Patterns and Corresponding Lamellar Alteration Induced by Solvent Vapor on Poly(<scp>l</scp>-lactic acid) Diluted with Poly(1,4-butylene adipate). Macromolecules, 2012, 45, 7313-7316. | 4.8 | 16 |
| 97 | Crystal Lamellae of Mutually Perpendicular Orientations by Dissecting onto Interiors of Poly(ethylene adipate) Spherulites Crystallized in Bulk Form. Macromolecules, 2012, 45, 1375-1383. | 4.8 | 66 |
| 98 | Fluorescence-detectable, star-shaped polylactic acid construction for implantation. European Polymer Journal, 2012, 48, 1357-1360. | 5.4 | 9 |
| 99 | Crystal Polymorphism and Spherulites in Poly(butylene adipate) Diluted with Strongly Versus Weakly Interacting Amorphous Polymers. Macromolecular Chemistry and Physics, 2012, 213, 2228-2237. | 2.2 | 22 |
| 100 | New Complex Crystals of Chiral Poly(<scp>L</scp>â€lactic acid) and Different Tactic Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.2 | 9 |
| 101 | Crystallization of poly(3â€hydroxybutyrate) with stereocomplexed polylactide as biodegradable nucleation agent. Polymer Engineering and Science, 2012, 52, 1413-1419. | 3.1 | 25 |
| 102 | Crystallization kinetics and degradation of nanocomposites based on ternary blend of poly(<scp>L</scp>â€lactic acid), poly(methyl methacrylate), and poly(ethylene oxide) with two different organoclays. Journal of Applied Polymer Science, 2012, 125, E444. | 2.6 | 20 |
| 103 | Thermal analysis on phase behavior of poly(l-lactic acid) interacting with aliphatic polyesters. Journal of Thermal Analysis and Calorimetry, 2012, 107, 745-756. | 3.6 | 7 |
| 104 | Correlation of crack patterns and ring bands in spherulites of low molecular weight poly(l-lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 | 2.1 | 35 |
| 105 | Surface and interior views on origins of two types of banded spherulites in poly(nonamethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 2.8 | 29 |
| 106 | Cracks and Ring Bands of Poly(3-hydroxybutyrate) on Precrystallized Poly(<scp>l</scp>-lactic acid) Template. Industrial & Engineering Chemistry Research, 2011, 50, 4494-4503. | 3.7 | 32 |
| 107 | Phase-Separation-Induced Single-Crystal Morphology in Poly(<scp>l</scp>-lactic acid) Blended with Poly(1,4-butylene adipate) at Specific Composition. Journal of Physical Chemistry B, 2011, 115, 13127-13138. | 2.6 | 29 |
| 108 | Lamellar orientation and interlamellar cracks in co-crystallized poly(ethylene oxide)/poly(L-lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 | 2.7 | 17 |

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|---|---|---|---|
| 109 | Crystallization and morphology of stereocomplexes in nonequimolar mixtures of poly(l-lactic acid) with excess poly(d-lactic acid). Polymer, 2011, 52, 6080-6089. | 3.8 | 70 |
| 110 | Effects of amorphous poly(vinyl acetate) on crystalline morphology of poly(3-hydroxybutyric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 | 2.1 | 22 |
| 111 | Phase behavior and crystal morphology in poly(ethylene succinate) biodegradably modified with tannin. Colloid and Polymer Science, 2011, 289, 1563-1578. | 2.1 | 18 |
| 112 | Nanocomposites based on vermiculite clay and ternary blend of poly(<scp>L</scp>â€lactic acid), poly(methyl methacrylate), and poly(ethylene oxide). Polymer Composites, 2011, 32, 1916-1926. | 4.6 | 19 |
| 113 | A Unique Metaâ€Form Structure in the Stereocomplex of Poly(<scp>D</scp>â€lactic acid) with Lowâ€Molecularâ€Weight Poly(<scp>L</scp>â€lactic acid). Macromolecular Chemistry and Physics, 2011, 212, 125-133. | 2.2 | 30 |
| 114 | Tannin Induced Single Crystalline Morphology in Poly(ethylene succinate). Macromolecular Chemistry and Physics, 2011, 212, 1155-1164. | 2.2 | 36 |
| 115 | Effects of Stereocomplex Nuclei or Spherulites on Crystalline Morphology and Crack Behavior of Poly(<scp>L</scp>â€lactic acid). Macromolecular Chemistry and Physics, 2011, 212, 1663-1670. | 2.2 | 23 |
| 116 | Macromol. Chem. Phys. 11/2011. Macromolecular Chemistry and Physics, 2011, 212, n/a-n/a. | 2.2 | 0 |
| 117 | In vitro effect on cancer cells: Synthesis and preparation of polyurethane membranes for controlled delivery of curcumin. Journal of Biomedical Materials Research - Part A, 2011, 99A, 410-417. | 4.0 | 16 |
| 118 | Effects of crystallinity and molecular weight on crack behavior in crystalline poly(<scp>L</scp>â€lactic acid). Journal of Applied Polymer Science, 2011, 122, 1976-1985. | 2.6 | 28 |
| 119 | Phase diagrams in blends of poly(3-hydroxybutyric acid) with various aliphatic polyesters. EXPRESS Polymer Letters, 2011, 5, 570-580. | 2.1 | 11 |
| 120 | Phase behavior and interactions in blends of poly[(butylene adipate)-co-poly(butylene terephthalate)] copolyester with poly(4-vinyl phenol). Colloid and Polymer Science, 2010, 288, 439-448. | 2.1 | 15 |
| 121 | Microscopic Fourier Transform Infrared Characterization on Two Types of Spherulite with Polymorphic Crystals in Poly(heptamethylene terephthalate). Macromolecular Rapid Communications, 2010, 31, 1343-1347. | 3.9 | 12 |
| 122 | Immiscibilityâ€“miscibility phase transformation in blends of poly(ethylene succinate) with poly(<scp>L</scp>â€lactic acid)s of different molecular weights. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1135-1147. | 2.1 | 16 |
| 123 | Amorphous phase behavior and crystalline morphology in blends of poly(vinyl methyl ether) with isomeric polyesters: poly(hexamethylene adipate) and poly(É›-caprolactone). Polymer Journal, 2010, 42, 391-400. | 2.7 | 15 |
| 124 | Tacticity effects on glass transition and phase behavior in binary blends of poly(methyl methacrylate)s of three different configurations. Polymer Chemistry, 2010, 1, 198-202. | 3.9 | 36 |
| 125 | Atomic-Force and Optical Microscopy Investigations on Thin-Film Morphology of Spherulites in Melt-Crystallized Poly(ethylene adipate). Industrial & Engineering Chemistry Research, 2010, 49, 12084-12092. | 3.7 | 41 |
| 126 | Annular Multiâ€Shelled Spherulites in Interiors of Bulkâ€Form Poly(nonamethylene terephthalate). Macromolecular Rapid Communications, 2009, 30, 1911-1916. | 3.9 | 26 |

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| 127 | Stacked-lamellar structure of electrospun poly(heptamethylene terephthalate) nanofibers. Journal of Materials Science, 2009, 44, 2137-2142. | 3.7 | 6 |
| 128 | Morphological studies on single crystals and nanofibers of poly(heptamethylene terephthalate). Journal of Materials Science, 2009, 44, 4705-4709. | 3.7 | 6 |
| 129 | Formation of dendrite crystals in poly(ethylene oxide) interacting with bioresourceful tannin. Polymer Bulletin, 2009, 62, 225-235. | 3.3 | 30 |
| 130 | Polymorphic and miscibility behavior in crystalline/crystalline blends of poly(pentamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 | 3.1 | 6 |
| 131 | Thermodynamic and kinetic thermal analyses on dual crystal forms in polymorphic poly(heptamethylene terephthalate). Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1839-1851. | 2.1 | 6 |
| 132 | Kinetic Analysis on Effect of Poly(4-vinyl phenol) on Complex-Forming Blends of Poly(L-lactide) and Poly(D-lactide). Polymer Journal, 2009, 41, 374-382. | 2.7 | 14 |
| 133 | Effect of a Miscible Polymeric Diluent on Complex Formation between Isotactic and Syndiotactic Poly(methyl methacrylate). Industrial & Engineering Chemistry Research, 2009, 48, 3432-3440. | 3.7 | 9 |
| 134 | Immiscibility with upper-critical solution temperature phase diagrams for poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (me | 2.1 | 12 |
| 135 | Growth regimes and spherulites in thin-film poly(É›-caprolactone) with amorphous polymers. Colloid and Polymer Science, 2008, 286, 917-926. | 2.1 | 23 |
| 136 | Immiscibilityâ€“miscibility phase transitions in blends of poly(<scp>L</scp>â€lactide) with poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 | 3.1 | 42 |
| 137 | Analysis of multiple melting behavior of spherulites comprising ringâ€band shell/ringless core in polymorphic poly(butylene adipate). Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 892-899. | 2.1 | 19 |
| 138 | Effects of chain configuration on UCST behavior in blends of poly(<scp>L</scp>â€lactic acid) with tactic poly(methyl methacrylate)s. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2355-2369. | 2.1 | 23 |
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