

Shuichi Nojima

List of Publications by Year in descending order

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88
papers

2,766
citations

136885

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197736

49
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docs citations

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times ranked

1433
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Crystal Polymorphism of Biobased Polyester Composed of Isomannide and Succinic Acid. <i>Macromolecules</i> , 2019, 52, 4624-4633. | 2.2 | 11 |
| 2 | Temperature-Directed Assembly of Crystalline Cellulose Oligomers into Kinetically Trapped Structures during Biocatalytic Synthesis. <i>Langmuir</i> , 2019, 35, 7026-7034. | 1.6 | 19 |
| 3 | Crystal orientation of poly(ϵ -caprolactone) chains confined in lamellar nanodomains: Effects of chain-ends tethering to nanodomain interfaces. <i>Polymer</i> , 2017, 112, 116-124. | 1.8 | 10 |
| 4 | Effects of Bulky End-Groups on the Crystallization Kinetics of Poly(ϵ -caprolactone) Homopolymers Confined in a Cylindrical Nanodomain. <i>Macromolecules</i> , 2017, 50, 7202-7210. | 2.2 | 21 |
| 5 | Effects of crystal structure of poly(ϵ -propiolactone) blocks on the cooperative crystallization of a polyethylene-block-poly(ϵ -propiolactone) diblock copolymer. <i>Polymer</i> , 2017, 122, 249-257. | 1.8 | 8 |
| 6 | Effect of Component Mobility on the Properties of Macromolecular [2]Rotaxanes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2778-2781. | 7.2 | 29 |
| 7 | Isothermal Crystallization Kinetics of Poly(ϵ -caprolactone) Blocks Confined in Cylindrical Microdomain Structures as a Function of Confinement Size and Molecular Weight. <i>Macromolecules</i> , 2016, 49, 5955-5962. | 2.2 | 20 |
| 8 | Crystallization and Solid-State Structure of Poly(ϵ -2-hydroxy-3-methylbutanoic acid). <i>Macromolecules</i> , 2016, 49, 5538-5547. | 2.2 | 15 |
| 9 | Crystallization of double crystalline block copolymer/crystalline homopolymer blends: 2. crystallization behavior. <i>Polymer Journal</i> , 2015, 47, 556-563. | 1.3 | 9 |
| 10 | Crystallization of polymer chains confined in nanodomains. <i>European Polymer Journal</i> , 2015, 70, 262-275. | 2.6 | 50 |
| 11 | Effects of Chain-Ends Tethering on the Crystallization Behavior of Poly(ϵ -caprolactone) Confined in Lamellar Nanodomains. <i>Macromolecules</i> , 2015, 48, 7138-7145. | 2.2 | 23 |
| 12 | Rapid Library Synthesis of Amphiphiles Based On a Dioxinone Scaffold and Identification of Nonlamellar Liquid Crystals. <i>Synlett</i> , 2014, 25, 2806-2813. | 1.0 | 2 |
| 13 | Crystallization behavior of poly(ϵ -propiolactone)-block-polyethylene copolymers with varying polyethylene crystallinities. <i>Polymer</i> , 2014, 55, 6960-6966. | 1.8 | 14 |
| 14 | Crystallization behavior of poly(ϵ -caprolactone) chains confined in lamellar nanodomains. <i>Polymer</i> , 2014, 55, 4394-4400. | 1.8 | 25 |
| 15 | Crystallization Behavior of Poly(ϵ -caprolactone) Chains Confined in Nanocylinders: Effects of Block Chains Tethered to Nanocylinder Interfaces. <i>Macromolecules</i> , 2013, 46, 2199-2205. | 2.2 | 32 |
| 16 | Crystallization of double crystalline block copolymer/crystalline homopolymer blends: 1. Crystalline morphology. <i>Polymer</i> , 2013, 54, 6768-6775. | 1.8 | 17 |
| 17 | Number Density of Liquid Inclusions Formed in Frozen Aqueous Electrolyte. <i>ChemPhysChem</i> , 2013, 14, 3410-3416. | 1.0 | 9 |
| 18 | Crystallization of poly(ϵ -caprolactone) blocks confined in crystallized lamellar morphology of poly(ϵ -caprolactone)-block-polyethylene copolymers: effects of polyethylene crystallinity and confinement size. <i>Polymer Journal</i> , 2013, 45, 436-443. | 1.3 | 20 |

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|----|--|-----|-----------|
| 19 | Isothermal crystallization of poly(ϵ -propiolactone) blocks starting from lamellar microdomain structures of double crystalline poly(ϵ -propiolactone)-block-polyethylene copolymers. <i>Polymer</i> , 2012, 53, 5856-5863. | 1.8 | 18 |
| 20 | Crystallization Behavior and Crystal Orientation of Poly(μ -caprolactone) Homopolymers Confined in Nanocylinders: Effects of Nanocylinder Dimension. <i>Macromolecules</i> , 2012, 45, 1892-1900. | 2.2 | 78 |
| 21 | Significant increase in the melting temperature of poly(ϵ -caprolactone) blocks confined in the crystallized lamellar morphology of poly(ϵ -caprolactone)-block-polyethylene copolymers. <i>Polymer Journal</i> , 2011, 43, 370-377. | 1.3 | 15 |
| 22 | Synthesis and characterization of block copolythiophene with hexyl and triethylene glycol side chains. <i>Polymer</i> , 2011, 52, 3687-3695. | 1.8 | 37 |
| 23 | Architecture of prototype copolymer brushes composed of alternating structure and intramolecular phase separation of side chains in solution. <i>Journal of Applied Polymer Science</i> , 2010, 116, 2298-2304. | 1.3 | 3 |
| 24 | Crystal orientation of poly(ϵ -caprolactone) blocks confined in crystallized polyethylene lamellar morphology of poly(ϵ -caprolactone)-block-polyethylene copolymers. <i>Polymer</i> , 2010, 51, 5576-5584. | 1.8 | 29 |
| 25 | Crystal Orientation of Poly(μ -caprolactone) Homopolymers Confined in Cylindrical Nanodomains. <i>Macromolecules</i> , 2010, 43, 3916-3923. | 2.2 | 65 |
| 26 | Synthesis and Characterization of Alternating and Random Copolymer Brushes. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 1717-1725. | 1.1 | 3 |
| 27 | Oriented lamellar structures in uniaxially drawn films of poly(vinylidene fluoride) and poly(3-hydroxybutyrate) blends studied by small-angle X-ray scattering measurements. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 381-392. | 2.4 | 6 |
| 28 | Excess X-ray Scattering Observed at Low Angles during Melting of Crystalline-Amorphous Diblock Copolymers. <i>Polymer Journal</i> , 2009, 41, 1041-1048. | 1.3 | 2 |
| 29 | Interactive Crystallization of a Strongly Segregated Double Crystalline Block Copolymer with Close Crystallizable Temperatures. <i>Macromolecules</i> , 2009, 42, 9515-9522. | 2.2 | 43 |
| 30 | A new approach for controlling birefringent property of cyclic olefin copolymers. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7395-7400. | 2.5 | 13 |
| 31 | Composition Dependence of Crystallization Behavior Observed in Crystalline-Crystalline Diblock Copolymers. <i>Polymer Journal</i> , 2008, 40, 241-248. | 1.3 | 16 |
| 32 | Morphological Evolution during Isothermal Crystallization Observed in a Crystalline-Crystalline Diblock Copolymer. <i>Polymer Journal</i> , 2008, 40, 971-978. | 1.3 | 17 |
| 33 | Dynamic Mechanical Study of Block Copolymer Crystallization Confined within Spherical Nanodomains. <i>Polymer Journal</i> , 2008, 40, 986-991. | 1.3 | 16 |
| 34 | Crystallization of Homopolymers Confined in Spherical or Cylindrical Nanodomains. <i>Macromolecules</i> , 2008, 41, 1915-1918. | 2.2 | 52 |
| 35 | Characteristic Melting Behavior of Double Crystalline Poly(μ -caprolactone)-block-polyethylene Copolymers. <i>Macromolecules</i> , 2007, 40, 7566-7572. | 2.2 | 44 |
| 36 | Composition dependence of crystallized lamellar morphology formed in crystalline-crystalline diblock copolymers. <i>Polymer</i> , 2007, 48, 3607-3611. | 1.8 | 40 |

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|----|---|-----|-----------|
| 37 | Lamellar structural changes in miscible crystalline polymer blends during melting and crystallization processes, as studied by real-time small-angle X-ray scattering measurements. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1959-1969. | 2.4 | 11 |
| 38 | Cubic phase of 4'-n-hexadecyloxy-3'-nitro-biphenyl-4-carboxylic acid (ACBC-16). <i>Liquid Crystals</i> , 2006, 33, 75-84. | 0.9 | 10 |
| 39 | Temperature Dependence of Crystallization Behavior in a Phase-Separated Blend of Poly(μ -caprolactone) Homopolymer and Poly(μ -caprolactone)-block-Polybutadiene Copolymer. <i>Polymer Journal</i> , 2006, 38, 559-566. | 1.3 | 12 |
| 40 | Synchrotron SAXS Studies on Morphology Formation in a Binary Blend of Poly(μ -caprolactone) Homopolymer and Poly(μ -caprolactone)-block-Polybutadiene Copolymer. <i>Polymer Journal</i> , 2005, 37, 464-470. | 1.3 | 4 |
| 41 | Effects of Phase Separation on the Crystallization Behavior in a Binary Blend of Poly(μ -caprolactone) Homopolymer and Poly(μ -caprolactone)-block-Polybutadiene Copolymer. <i>Polymer Journal</i> , 2005, 37, 584-591. | 1.3 | 5 |
| 42 | Crystallization behavior of poly(μ -caprolactone) blocks starting from polyethylene lamellar morphology in poly(μ -caprolactone)-block-polyethylene copolymers. <i>Polymer</i> , 2005, 46, 4060-4067. | 1.8 | 70 |
| 43 | Cubic Phases of 4'-n-docosyloxy-3'-nitro-biphenyl-4-carboxylic Acid (ANBC-22). <i>Molecular Crystals and Liquid Crystals</i> , 2004, 412, 49-58. | 0.4 | 8 |
| 44 | Morphology of melt-quenched poly(μ -caprolactone)-block-polyethylene copolymers. <i>Polymer</i> , 2004, 45, 7317-7324. | 1.8 | 61 |
| 45 | Cubic phases of binary systems of 4'-n-tetradecyloxy-3'-nitro-biphenyl-4-carboxylic acid (ANBC-14)-n-alkane. <i>Liquid Crystals</i> , 2002, 29, 1459-1468. | 0.9 | 53 |
| 46 | Crystallization Process in Binary Blends of Poly(μ -caprolactone)-block-Polybutadiene Copolymers. <i>Polymer Journal</i> , 2002, 34, 593-600. | 1.3 | 6 |
| 47 | Cubic phases of 4'-n-alkoxy-3'-nitro-biphenyl-4-carboxylic acids (ANBC-n). <i>Liquid Crystals</i> , 2002, 29, 1447-1458. | 0.9 | 54 |
| 48 | Size dependence of crystallization within spherical microdomain structures. <i>Polymer</i> , 2002, 43, 4087-4090. | 1.8 | 69 |
| 49 | Elongational flow-induced morphology change of block copolymers Part 1. A polystyrene- block -poly(ethylene butylene)- block -polystyrene- block -poly(ethylene butylene) tetrablock copolymer with polystyrene spherical microdomains. <i>Polymer</i> , 2001, 42, 1207-1217. | 1.8 | 22 |
| 50 | Elongational flow-induced morphology change of block copolymers. 2. A polystyrene- block -poly(ethylene butylene)- block -polystyrene triblock copolymer with cylindrical microdomains. <i>Polymer</i> , 2001, 42, 3223-3231. | 1.8 | 26 |
| 51 | Small-angle x-ray scattering study of thermoreversible poly(vinyl chloride) gels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 2340-2350. | 2.4 | 4 |
| 52 | Effects of Molecular Weight and Crystallization Temperature on the Morphology Formation in Asymmetric Diblock Copolymers with a Highly Crystalline Block. <i>Polymer Journal</i> , 2000, 32, 602-609. | 1.3 | 25 |
| 53 | Crystallization of Poly(μ -caprolactone)-block-Polystyrene Copolymers from Glassy Microdomain Structures. <i>Polymer Journal</i> , 2000, 32, 75-78. | 1.3 | 9 |
| 54 | Formation and characterization of the inclusion compounds between poly(μ -caprolactone)-poly(ethylene oxide)-poly(μ -caprolactone) triblock copolymer and β - and γ -cyclodextrin. <i>Polymer</i> , 2000, 41, 5871-5883. | 1.8 | 89 |

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|----|--|-----|-----------|
| 55 | Phase Transitions of 4- <i>n</i> -Hexacosyloxy-3-nitrobiphenyl-4-carboxylic Acid (ANBC-26): A Two Types of Thermotropic Cubic Phases. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10196-10205. | 1.2 | 28 |
| 56 | Morphological Difference between Solution-Cast and Melt-Quenched Crystalline-Amorphous Diblock Copolymers. <i>Polymer Journal</i> , 2000, 32, 859-865. | 1.3 | 7 |
| 57 | A cubic-cubic phase transition of 4- <i>n</i> -hexacosyloxy-3-nitrobiphenyl-4-carboxylic acid (ANBC-26). <i>Chemical Communications</i> , 1999, , 1181-1182. | 2.2 | 40 |
| 58 | Melting Behavior of Poly(μ -caprolactone)-block-Polybutadiene Copolymers. <i>Macromolecules</i> , 1999, 32, 3727-3734. | 2.2 | 39 |
| 59 | The effect of glass transition temperature on the crystallization of μ -caprolactone-styrene diblock copolymers. <i>Polymer</i> , 1998, 39, 1727-1734. | 1.8 | 57 |
| 60 | Effects of Copolymer Composition on the Crystallization and Morphology of Poly(μ -caprolactone)-block-Polystyrene. <i>Polymer Journal</i> , 1998, 30, 968-975. | 1.3 | 18 |
| 61 | Time-Resolved Small-Angle X-Ray Scattering Studies on the Melting Behavior of Poly(μ -caprolactone)-block-Polybutadiene Copolymers. <i>Polymer Journal</i> , 1998, 30, 628-634. | 1.3 | 12 |
| 62 | Morphological Study on Binary Blends of Poly(μ -caprolactone)-block-Polybutadiene and Poly(μ -caprolactone). <i>Polymer Journal</i> , 1997, 29, 642-648. | 1.3 | 17 |
| 63 | Formation, Characterization, and Segmental Mobilities of Block Copolymers in Their Urea Inclusion Compound Crystals. <i>Macromolecules</i> , 1997, 30, 3014-3025. | 2.2 | 20 |
| 64 | Crystallization of μ -caprolactone blocks within a crosslinked microdomain structure of poly(μ -caprolactone)-block-polybutadiene. <i>Polymer</i> , 1997, 38, 2711-2718. | 1.8 | 106 |
| 65 | Time-Resolved Small-Angle X-ray Scattering Studies on the Crystallization of Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 | 2.2 | 30 |
| 66 | Morphology formed in binary blends of poly(ϵ -caprolactone) and ϵ -caprolactone-butadiene diblock copolymer. <i>Polymer</i> , 1995, 36, 2853-2856. | 1.8 | 6 |
| 67 | Crystallization of Block Copolymers IV. Molecular Weight Dependence of the Morphology Formed in μ -Caprolactone-Butadiene Diblock Copolymers. <i>Polymer Journal</i> , 1995, 27, 673-682. | 1.3 | 46 |
| 68 | Crystallization of block copolymers: 3. Crystallization behaviour of an μ -caprolactone-butadiene diblock copolymer. <i>Polymer</i> , 1994, 35, 3479-3486. | 1.8 | 72 |
| 69 | Inclusion Compound Formed between a Poly(ϵ -caprolactone)-Polybutadiene Diblock Copolymer and Urea. <i>Macromolecules</i> , 1994, 27, 7220-7221. | 2.2 | 16 |
| 70 | Crystallization behaviour of a microphase-separated diblock copolymer. <i>Polymer</i> , 1993, 34, 4168-4170. | 1.8 | 26 |
| 71 | Crystallization of Block Copolymers II. Morphological Study of Poly (ethylene glycol)-Poly (ϵ -caprolactone) Block Copolymers.. <i>Polymer Journal</i> , 1992, 24, 1271-1280. | 1.3 | 81 |
| 72 | Time-resolved SAXS study of morphological change in a binary blend of poly(μ -caprolactone) and polystyrene oligomer. <i>Macromolecules</i> , 1992, 25, 1922-1928. | 2.2 | 40 |

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|----|---|-----|-----------|
| 73 | Crystallization of block copolymers. 1. Small-angle x-ray scattering study of a .epsilon.-caprolactone-butadiene diblock copolymer. <i>Macromolecules</i> , 1992, 25, 2237-2242. | 2.2 | 247 |
| 74 | Morphology formation by combined effect of crystallization and phase separation in a binary blend of poly($\hat{\mu}$ -caprolactone) and polystyrene oligomer. <i>Macromolecules</i> , 1991, 24, 942-947. | 2.2 | 54 |
| 75 | Ringed Spherulite in Binary Blends of Poly($\hat{\mu}$ -caprolactone) and $\hat{\mu}$ -Caprolactone-Butadiene Diblock Copolymer. <i>Polymer Journal</i> , 1991, 23, 1473-1482. | 1.3 | 36 |
| 76 | Superstructure of Uniaxially Oriented $\hat{3}$ Nylon 6 at Swelling Equilibrium in Solvent Mixtures. <i>Polymer Journal</i> , 1990, 22, 31-38. | 1.3 | 2 |
| 77 | Combined small-angle neutron scattering-small angle x-ray scattering study of blends of styrene-butadiene block copolymer with deuterated polybutadiene. <i>Macromolecules</i> , 1990, 23, 4305-4312. | 2.2 | 17 |
| 78 | Swelling Equilibrium and the Superstructures of Uniaxially Oriented $\hat{\pm}$ Nylon 6 in Solvent Mixtures. <i>Polymer Journal</i> , 1989, 21, 65-76. | 1.3 | 7 |
| 79 | Superstructural model for small-angle x-ray scattering: application to nylon 6 fiber. <i>Macromolecules</i> , 1989, 22, 4362-4367. | 2.2 | 15 |
| 80 | Spherulite Structure in Compatible Mixtures of Poly($\hat{\mu}$ -caprolactone) and Poly(vinyl chloride). <i>Polymer Journal</i> , 1988, 20, 823-826. | 1.3 | 26 |
| 81 | Effect of molecular weight of added polystyrene on the order-disorder transition of styrene-butadiene diblock copolymer. <i>Macromolecules</i> , 1987, 20, 1866-1876. | 2.2 | 52 |
| 82 | Small-angle X-ray scattering study of the morphology of blends of poly($\hat{\mu}$ -caprolactone) and polystyrene oligomer. <i>Polymer</i> , 1986, 27, 1007-1013. | 1.8 | 34 |
| 83 | A Dynamic Study of Crystallization of Poly($\hat{\mu}$ -caprolactone) and Poly($\hat{\mu}$ -caprolactone)/Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 1.3 | 60 |
| 84 | A Dynamic Study of Crystallization of Poly($\hat{\mu}$ -caprolactone) and Poly($\hat{\mu}$ -caprolactone)/Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 | 1.3 | 1 |
| 85 | Phase Separation Process in Polymer Systems III. Spinodal Decomposition in the Critical Mixture of Polystyrene and Poly(methylphenylsiloxane) and Scaling Analysis. <i>Polymer Journal</i> , 1982, 14, 907-912. | 1.3 | 45 |
| 86 | Quasi-Equilibrium in the Mixture of Polystyrene and Poly(methylphenylsiloxane). <i>Polymer Journal</i> , 1982, 14, 269-275. | 1.3 | 18 |
| 87 | Phase Separation Process in Polymer Systems. II. Microscopic Studies on a Polystyrene and Diisodecyl Phthalate Mixture. <i>Polymer Journal</i> , 1982, 14, 289-294. | 1.3 | 30 |
| 88 | Phase Separation Process in Polymer Systems. I. Light Scattering Studies on a Polystyrene and Poly(methylphenylsiloxane) Mixture. <i>Polymer Journal</i> , 1982, 14, 225-232. | 1.3 | 72 |