Shuichi Nojima

List of Publications by Year
in descending order

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88	2,766	136885	197736
papers	citations	32 h-index	49 g-index

88	88	88	1433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystallization of block copolymers. 1. Small-angle x-ray scattering study of a .epsilon.-caprolactone-butadiene diblock copolymer. Macromolecules, 1992, 25, 2237-2242.	2.2	247
2	Crystallization of Îµ-caprolactone blocks within a crosslinked microdomain structure of poly(Îµ-caprolactone)-block-polybutadiene. Polymer, 1997, 38, 2711-2718.	1.8	106
3	Formation and characterization of the inclusion compounds between poly(Îµ-caprolactone)-poly(ethylene oxide)-poly(Îµ-caprolactone) triblock copolymer and Î±- and Î³-cyclodextrin. Polymer, 2000, 41, 5871-5883.	1.8	89
4	Crystallization of Block Copolymers II. Morphological Study of Poly (ethylene glycol)-Poly (.EPSILON.-caprolactone) Block Copolymers.. Polymer Journal, 1992, 24, 1271-1280.	1.3	81
5	Crystallization Behavior and Crystal Orientation of Poly(Îµ-caprolactone) Homopolymers Confined in Nanocylinders: Effects of Nanocylinder Dimension. Macromolecules, 2012, 45, 1892-1900.	2.2	78
6	Phase Separation Process in Polymer Systems. I. Light Scattering Studies on a Polystyrene and Poly(methylphenylsiloxane) Mixture. Polymer Journal, 1982, 14, 225-232.	1.3	72
7	Crystallization of block copolymers: 3. Crystallization behaviour of an Îµ-caprolactone-butadiene diblock copolymer. Polymer, 1994, 35, 3479-3486.	1.8	72
8	Crystallization behavior of poly(Îµ-caprolactone) blocks starting from polyethylene lamellar morphology in poly(Îµ-caprolactone)-block-polyethylene copolymers. Polymer, 2005, 46, 4060-4067.	1.8	70
9	Size dependence of crystallization within spherical microdomain structures. Polymer, 2002, 43, 4087-4090.	1.8	69
10	Crystal Orientation of Poly(Îµ-caprolactone) Homopolymers Confined in Cylindrical Nanodomains. Macromolecules, 2010, 43, 3916-3923.	2.2	65
11	Morphology of melt-quenched poly(Îµ-caprolactone)-block-polyethylene copolymers. Polymer, 2004, 45, 7317-7324.	1.8	61
12	A Dynamic Study of Crystallization of Poly(Îµ-caprolactone) and Poly(Îµ-caprolactone)/Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.3	60
13	The effect of glass transition temperature on the crystallization of Îµ-caprolactone-styrene diblock copolymers. Polymer, 1998, 39, 1727-1734.	1.8	57
14	Morphology formation by combined effect of crystallization and phase separation in a binary blend of poly(iÎµ-caprolactone) and polystyrene oligomer. Macromolecules, 1991, 24, 942-947.	2.2	54
15	Cubic phases of 4â€²-n-alkoxy-3â€²-nitrobiphenyl-4-carboxylic acids (ANBC-n). Liquid Crystals, 2002, 29, 1447-1458.	0.9	54
16	Cubic phases of binary systems of 4â€²-n-tetradecyloxy-3â€²-nitrobiphenyl-4-carboxylic acid (ANBC-14)-n-alkane. Liquid Crystals, 2002, 29, 1459-1468.	0.9	53
17	Effect of molecular weight of added polystyrene on the order-disorder transition of styrene-butadiene diblock copolymer. Macromolecules, 1987, 20, 1866-1876.	2.2	52
18	Crystallization of Homopolymers Confined in Spherical or Cylindrical Nanodomains. Macromolecules, 2008, 41, 1915-1918.	2.2	52

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19	Time-Resolved Small-Angle X-ray Scattering Studies on the Crystallization of Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.2	50
20	Crystallization of polymer chains confined in nanodomains. European Polymer Journal, 2015, 70, 262-275.	2.6	50
21	Crystallization of Block Copolymers IV. Molecular Weight Dependence of the Morphology Formed in Îµ-Caprolactoneâ€“Butadiene Diblock Copolymers. Polymer Journal, 1995, 27, 673-682.	1.3	46
22	Phase Separation Process in Polymer Systems III. Spinodal Decomposition in the Critical Mixture of Polystyrene and Poly(methylphenylsiloxane) and Scaling Analysis. Polymer Journal, 1982, 14, 907-912.	1.3	45
23	Characteristic Melting Behavior of Double Crystalline Poly(Îµ-caprolactone)-block-polyethylene Copolymers. Macromolecules, 2007, 40, 7566-7572.	2.2	44
24	Interactive Crystallization of a Strongly Segregated Double Crystalline Block Copolymer with Close Crystallizable Temperatures. Macromolecules, 2009, 42, 9515-9522.	2.2	43
25	Time-resolved SAXS study of morphological change in a binary blend of poly(îÎµ-caprolactone) and polystyrene oligomer. Macromolecules, 1992, 25, 1922-1928.	2.2	40
26	A cubicâ€“cubic phase transition of 4â€²-n-hexacosyloxy-3â€²-nitrobiphenyl-4-carboxylic acid (ANBC-26). Chemical Communications, 1999, , 1181-1182.	2.2	40
27	Composition dependence of crystallized lamellar morphology formed in crystallineâ€“crystalline diblock copolymers. Polymer, 2007, 48, 3607-3611.	1.8	40
28	Melting Behavior of Poly(Îµ-caprolactone)-block-Polybutadiene Copolymers. Macromolecules, 1999, 32, 3727-3734.	2.2	39
29	Synthesis and characterization of block copolythiophene with hexyl and triethylene glycol side chains. Polymer, 2011, 52, 3687-3695.	1.8	37
30	Ringed Spherulite in Binary Blends of Poly(Îµ-caprolactone) and Îµ-Caprolactone-Butadiene Diblock Copolymer. Polymer Journal, 1991, 23, 1473-1482.	1.3	36
31	Small-angle X-ray scattering study of the morphology of blends of poly(Îµ-caprolactone) and polystyrene oligomer. Polymer, 1986, 27, 1007-1013.	1.8	34
32	Crystallization Behavior of Poly(Îµ-caprolactone) Chains Confined in Nanocylinders: Effects of Block Chains Tethered to Nanocylinder Interfaces. Macromolecules, 2013, 46, 2199-2205.	2.2	32
33	Phase Separation Process in Polymer Systems. II. Microscopic Studies on a Polystyrene and Diisodecyl Phthalate Mixture. Polymer Journal, 1982, 14, 289-294.	1.3	30
34	Crystal orientation of poly(É›-caprolactone) blocks confined in crystallized polyethylene lamellar morphology of poly(É›-caprolactone)-block-polyethylene copolymers. Polymer, 2010, 51, 5576-5584.	1.8	29
35	Effect of Component Mobility on the Properties of Macromolecular [2]Rotaxanes. Angewandte Chemie - International Edition, 2016, 55, 2778-2781.	7.2	29
36	Phase Transitions of 4â€˜-n-Hexacosyloxy-3â€˜-nitrobiphenyl-4-carboxylic Acid (ANBC-26):Â Two Types of Thermotropic Cubic Phases. Journal of Physical Chemistry B, 2000, 104, 10196-10205.	1.2	28

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37	Spherulite Structure in Compatible Mixtures of Poly(Îµ-caprolactone) and Poly(vinyl chloride). Polymer Journal, 1988, 20, 823-826.	1.3	26
38	Crystallization behaviour of a microphase-separated diblock copolymer. Polymer, 1993, 34, 4168-4170.	1.8	26
39	Elongational flow-induced morphology change of block copolymers. 2. A polystyrene- block -poly(ethylene butylene)- block -polystyrene triblock copolymer with cylindrical microdomains. Polymer, 2001, 42, 3223-3231.	1.8	26
40	Effects of Molecular Weight and Crystallization Temperature on the Morphology Formation in Asymmetric Diblock Copolymers with a Highly Crystalline Block. Polymer Journal, 2000, 32, 602-609.	1.3	25
41	Crystallization behavior of poly(Îµ-caprolactone) chains confined in lamellar nanodomains. Polymer, 2014, 55, 4394-4400.	1.8	25
42	Effects of Chain-Ends Tethering on the Crystallization Behavior of Poly(Îµ-caprolactone) Confined in Lamellar Nanodomains. Macromolecules, 2015, 48, 7138-7145.	2.2	23
43	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. Polymer, 2001, 42, 1207-1217.	1.8	22
44	Effects of Bulky End-Groups on the Crystallization Kinetics of Poly(Îµ-caprolactone) Homopolymers Confined in a Cylindrical Nanodomain. Macromolecules, 2017, 50, 7202-7210.	2.2	21
45	Formation, Characterization, and Segmental Mobilities of Block Copolymers in Their Urea Inclusion Compound Crystals. Macromolecules, 1997, 30, 3014-3025.	2.2	20
46	Crystallization of poly(É›-caprolactone) blocks confined in crystallized lamellar morphology of poly(É›-caprolactone)-block-polyethylene copolymers: effects of polyethylene crystallinity and confinement size. Polymer Journal, 2013, 45, 436-443.	1.3	20
47	Isothermal Crystallization Kinetics of Poly(Îµ-caprolactone) Blocks Confined in Cylindrical Microdomain Structures as a Function of Confinement Size and Molecular Weight. Macromolecules, 2016, 49, 5955-5962.	2.2	20
48	Temperature-Directed Assembly of Crystalline Cellulose Oligomers into Kinetically Trapped Structures during Biocatalytic Synthesis. Langmuir, 2019, 35, 7026-7034.	1.6	19
49	Quasi-Equilibrium in the Mixture of Polystyrene and Poly(methylphenylsiloxane). Polymer Journal, 1982, 14, 269-275.	1.3	18
50	Effects of Copolymer Composition on the Crystallization and Morphology of Poly(Îµ-caprolactone)-block-Polystyrene. Polymer Journal, 1998, 30, 968-975.	1.3	18
51	Isothermal crystallization of poly(Î²-propiolactone) blocks starting from lamellar microdomain structures of double crystalline poly(Î²-propiolactone)-block-polyethylene copolymers. Polymer, 2012, 53, 5856-5863.	1.8	18
52	Combined small-angle neutron scattering-small angle x-ray scattering study of blends of styrene-butadiene block copolymer with deuterated polybutadiene. Macromolecules, 1990, 23, 4305-4312.	2.2	17
53	Morphological Study on Binary Blends of Poly(Îµ-caprolactone)-block-Polybutadiene and Poly(Îµ-caprolactone). Polymer Journal, 1997, 29, 642-648.	1.3	17
54	Morphological Evolution during Isothermal Crystallization Observed in a Crystalline-Crystalline Diblock Copolymer. Polymer Journal, 2008, 40, 971-978.	1.3	17

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55	Crystallization of double crystalline block copolymer/crystalline homopolymer blends: 1. Crystalline morphology. Polymer, 2013, 54, 6768-6775.	1.8	17
56	Inclusion Compound Formed between a Poly(.epsilon.-caprolactone)-Polybutadiene Diblock Copolymer and Urea. Macromolecules, 1994, 27, 7220-7221.	2.2	16
57	Composition Dependence of Crystallization Behavior Observed in Crystalline-Crystalline Diblock Copolymers. Polymer Journal, 2008, 40, 241-248.	1.3	16
58	Dynamic Mechanical Study of Block Copolymer Crystallization Confined within Spherical Nanodomains. Polymer Journal, 2008, 40, 986-991.	1.3	16
59	Superstructural model for small-angle x-ray scattering: application to nylon 6 fiber. Macromolecules, 1989, 22, 4362-4367.	2.2	15
60	Significant increase in the melting temperature of poly(É›-caprolactone) blocks confined in the crystallized lamellar morphology of poly(É›-caprolactone)-block-polyethylene copolymers. Polymer Journal, 2011, 43, 370-377.	1.3	15
61	Crystallization and Solid-State Structure of Poly(<scp>l</scp>-2-hydroxy-3-methylbutanoic acid). Macromolecules, 2016, 49, 5538-5547.	2.2	15
62	Crystallization behavior of poly(Î²-propiolactone)-block-polyethylene copolymers with varying polyethylene crystallinities. Polymer, 2014, 55, 6960-6966.	1.8	14
63	A new approach for controlling birefringent property of cyclic olefin copolymers. Journal of Polymer Science Part A, 2008, 46, 7395-7400.	2.5	13
64	Temperature Dependence of Crystallization Behavior in a Phase-Separated Blend of Poly(Îµ-caprolactone) Homopolymer and Poly(Îµ-caprolactone)-block-Polybutadiene Copolymer. Polymer Journal, 2006, 38, 559-566.	1.3	12
65	Time-Resolved Small-Angle X-Ray Scattering Studies on the Melting Behavior of Poly(Îµ-caprolactone)-block-Polybutadiene Copolymers. Polymer Journal, 1998, 30, 628-634.	1.3	12
66	Lamellar structural changes in miscible crystalline polymer blends during melting and crystallization processes, as studied by real-time small-angle X-ray scattering measurements. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1959-1969.	2.4	11
67	Crystal Polymorphism of Biobased Polyester Composed of Isomannide and Succinic Acid. Macromolecules, 2019, 52, 4624-4633.	2.2	11
68	Cubic phase of 4â€²â€nâ€Hexadecyloxyâ€3â€²â€cyanobiphenylâ€4â€carboxylic acid (ACBCâ€16). Liquid Crystals, 2006, 33, 75-84.	0.9	10
69	Crystal orientation of poly(Îµ-caprolactone) chains confined in lamellar nanodomains: Effects of chain-ends tethering to nanodomain interfaces. Polymer, 2017, 112, 116-124.	1.8	10
70	Crystallization of Poly(Îµ-caprolactone)-block-Polystyrene Copolymers from Glassy Microdomain Structures. Polymer Journal, 2000, 32, 75-78.	1.3	9
71	Number Density of Liquid Inclusions Formed in Frozen Aqueous Electrolyte. ChemPhysChem, 2013, 14, 3410-3416.	1.0	9
72	Crystallization of double crystalline block copolymer/crystalline homopolymer blends: 2. crystallization behavior. Polymer Journal, 2015, 47, 556-563.	1.3	9

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73	Cubic Phases of 4'-n-docosyloxy-3'-nitrobiphenyl-4-carboxylic Acid (ANBC-22). Molecular Crystals and Liquid Crystals, 2004, 412, 49-58.	0.4	8
74	Effects of crystal structure of poly(Î²-propiolactone) blocks on the cooperative crystallization of a polyethylene-block-poly(Î²-propiolactone) diblock copolymer. Polymer, 2017, 122, 249-257.	1.8	8
75	Swelling Equilibrium and the Superstructures of Uniaxially Oriented Î± Nylon 6 in Solvent Mixtures. Polymer Journal, 1989, 21, 65-76.	1.3	7
76	Morphological Difference between Solution-Cast and Melt-Quenched Crystalline-Amorphous Diblock Copolymers. Polymer Journal, 2000, 32, 859-865.	1.3	7
77	Morphology formed in binary blends of poly(É›-caprolactone) and É›-caprolactone-butadiene diblock copolymer. Polymer, 1995, 36, 2853-2856.	1.8	6
78	Crystallization Process in Binary Blends of Poly(Îµ-caprolactone)-block-Polybutadiene Copolymers. Polymer Journal, 2002, 34, 593-600.	1.3	6
79	Oriented lamellar structures in uniaxially drawn films of poly(vinylidene fluoride) and poly(3â€hydroxybutyrate) blends studied by smallâ€angle Xâ€ray scattering measurements. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 381-392.	2.4	6
80	Effects of Phase Separation on the Crystallization Behavior in a Binary Blend of Poly(Îµ-caprolactone) Homopolymer and Poly(Îµ-caprolactone)-block-Polybutadiene Copolymer. Polymer Journal, 2005, 37, 584-591.	1.3	5
81	Small-angle x-ray scattering study of thermoreversible poly(vinyl chloride) gels. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 2340-2350.	2.4	4
82	Synchrotron SAXS Studies on Morphology Formation in a Binary Blend of Poly(Îµ-caprolactone) Homopolymer and Poly(Îµ-caprolactone)-block-Polybutadiene Copolymer. Polymer Journal, 2005, 37, 464-470.	1.3	4
83	Synthesis and Characterization of Alternating and Random Copolymer Brushes. Macromolecular Chemistry and Physics, 2009, 210, 1717-1725.	1.1	3
84	Architecture of prototype copolymer brushes composed of alternating structure and intramolecular phase separation of side chains in solution. Journal of Applied Polymer Science, 2010, 116, 2298-2304.	1.3	3
85	Superstructure of Uniaxially Oriented Î³ Nylon 6 at Swelling Equilibrium in Solvent Mixtures. Polymer Journal, 1990, 22, 31-38.	1.3	2
86	Excess X-ray Scattering Observed at Low Angles during Melting of Crystalline-Amorphous Diblock Copolymers. Polymer Journal, 2009, 41, 1041-1048.	1.3	2
87	Rapid Library Synthesis of Amphiphiles Based On a Dioxinone Scaffold and Identification of Nonlamellar Liquid Crystals. Synlett, 2014, 25, 2806-2813.	1.0	2
88	A Dynamic Study of Crystallization of Poly(Îµ-caprolactone) and Poly(Îµ-caprolactone)/Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.3	1