

Akihiko Toda

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

3,060
citations

32
h-index

48
g-index

136
ext. papers

3,334
ext. citations

3.4
avg, IF

5.52
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 133 | Effect of a Nucleating Agent on Polymer Crystallization Analyzed Using the Original Avrami Model. <i>Macromolecules</i> , 2022 , 55, 2202-2209 | 5.5 | 3 |
| 132 | A note on the kinetics of non-isothermal crystallization of polymers. <i>Thermochimica Acta</i> , 2022 , 179244 | 2.9 | |
| 131 | Enthalpy relaxation of unconstrained and constrained amorphous phase for low isotacticity polypropylene. <i>Polymer</i> , 2022 , 253, 124991 | 3.9 | 1 |
| 130 | Modulated Temperature Differential Scanning Calorimetry 2022 , 41-73 | | |
| 129 | A reinterpretation of the Ozawa model for non-isothermal crystallization at fixed scan rates. <i>Thermochimica Acta</i> , 2021 , 707, 179086 | 2.9 | 2 |
| 128 | The Narrow Thickness Distribution of Lamellae of Poly(butylene succinate) Formed at Low Melt Supercooling. <i>Macromolecules</i> , 2021 , 54, 3366-3376 | 5.5 | 7 |
| 127 | Insertion-Crystallization-Induced Low-Temperature Annealing Peaks in Melt-Crystallized Poly(l-Lactic Acid). <i>Macromolecular Chemistry and Physics</i> , 2021 , 222, 2100177 | 2.6 | 4 |
| 126 | Temperature-modulated fast scanning calorimetry of isothermal crystallization of Poly(butylene terephthalate). <i>Polymer</i> , 2021 , 228, 123936 | 3.9 | 4 |
| 125 | Analysis of non-isothermal polymer crystallization at constant scan rates based on the Avrami model. <i>Thermochimica Acta</i> , 2021 , 702, 178984 | 2.9 | 4 |
| 124 | On the crystal stabilization during two-step isothermal crystallization of poly(butylene terephthalate) examined by fast scanning calorimetry. <i>Polymer</i> , 2021 , 230, 124057 | 3.9 | 2 |
| 123 | Melting Kinetics of Superheated Polymer Crystals Examined by Isothermal and Nonisothermal Fast Scanning Calorimetry. <i>Macromolecules</i> , 2021 , 54, 8770-8779 | 5.5 | 3 |
| 122 | Temperature-Modulated Scanning Calorimetry of Melting-Recrystallization of Poly(butylene terephthalate). <i>Polymers</i> , 2021 , 13, | 4.5 | 6 |
| 121 | Effect of multi-step annealing above the glass transition temperature on the crystallization and melting kinetics of semicrystalline polymers. <i>Polymer</i> , 2020 , 202, 122712 | 3.9 | 5 |
| 120 | Crystallization and melting of poly(butylene terephthalate) and poly(ethylene terephthalate) investigated by fast-scan chip calorimetry and small angle X-ray scattering. <i>Polymer</i> , 2020 , 192, 122303 | 3.9 | 16 |
| 119 | Small angle X-ray scattering from finite sequence of lamellar stacks of crystalline polymers. <i>Polymer</i> , 2020 , 211, 123110 | 3.9 | 4 |
| 118 | Molecular Weight Dependence of Crystal Growth in Isotactic Polystyrene Ultrathin Films. <i>ACS Macro Letters</i> , 2019 , 8, 1227-1232 | 6.6 | |
| 117 | Fast-scan and temperature-modulated calorimetry of recrystallization of poly(ethylene terephthalate). <i>Thermochimica Acta</i> , 2019 , 682, 178404 | 2.9 | 10 |

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|-----|--|-----|-----|
| 116 | Fast limiting behavior of the melting kinetics of polyethylene crystals examined by fast-scan calorimetry. <i>Thermochimica Acta</i> , 2019 , 677, 211-216 | 2.9 | 8 |
| 115 | Gibbs-Thomson, Thermal Gibbs-Thomson, and Hoffman-Weeks Plots of Polyethylene Crystals Examined by Fast-Scan Calorimetry and Small-Angle X-ray Scattering. <i>Crystal Growth and Design</i> , 2019 , 19, 2493-2502 | 3.5 | 8 |
| 114 | Crystallization and melting behaviors of poly(vinylidene fluoride) examined by fast-scan calorimetry: Hoffman-Weeks, Gibbs-Thomson and thermal Gibbs-Thomson plots. <i>Polymer</i> , 2019 , 169, 11-20 | 3.9 | 11 |
| 113 | Kinetics of Melting of Sucrose Crystals. <i>Crystal Growth and Design</i> , 2018 , 18, 2602-2608 | 3.5 | 8 |
| 112 | Crystallization, recrystallization, and melting of polymer crystals on heating and cooling examined with fast scanning calorimetry. <i>Polymer Crystallization</i> , 2018 , 1, e10005 | 0.9 | 17 |
| 111 | Superheated Melting Kinetics of Metastable Chain-Folded Polymer Crystals. <i>Crystal Growth and Design</i> , 2018 , 18, 3637-3643 | 3.5 | 8 |
| 110 | Crystallization kinetics of poly(butylene terephthalate) and its talc composites. <i>Journal of Applied Polymer Science</i> , 2017 , 134, | 2.9 | 17 |
| 109 | Comment on Re-exploring the double-melting behavior of semirigid-chain polymers with an in-situ combination of synchrotron nanofocus X-ray scattering and nanocalorimetry by Ivanov et al. [European Polymer Journal 81 (2016) 598806.]. <i>European Polymer Journal</i> , 2017 , 94, 511-516 | 5.2 | 10 |
| 108 | Melting and recrystallization kinetics of poly(butylene terephthalate). <i>Polymer</i> , 2017 , 109, 307-314 | 3.9 | 41 |
| 107 | Heating rate dependence of melting peak temperature examined by DSC of heat flux type. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 123, 1795-1808 | 4.1 | 34 |
| 106 | Two crystal populations with different melting/reorganization kinetics of isothermally crystallized polyamide 6. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 2126-2138 | 2.6 | 33 |
| 105 | Insights into polymer crystallization and melting from fast scanning chip calorimetry. <i>Polymer</i> , 2016 , 91, 239-263 | 3.9 | 171 |
| 104 | Quantitative understanding of two distinct melting kinetics of an isothermally crystallized poly(ether ether ketone). <i>Polymer</i> , 2016 , 99, 97-104 | 3.9 | 30 |
| 103 | Reprint of An evaluation of thermal lags of fast-scan microchip DSC with polymer film samples. <i>Thermochimica Acta</i> , 2015 , 603, 197-204 | 2.9 | 1 |
| 102 | Method for Calculation of the Lamellar Thickness Distribution of Not-Reorganized Linear Polyethylene Using Fast Scanning Calorimetry in Heating. <i>Macromolecules</i> , 2015 , 48, 8831-8837 | 5.5 | 36 |
| 101 | Combining fast-scan chip-calorimeter with molecular simulations to investigate superheating behaviors of lamellar polymer crystals. <i>Polymer</i> , 2014 , 55, 4307-4312 | 3.9 | 36 |
| 100 | Dynamical Properties in Uniform and Periodic Growth Modes of Ascorbic Acid Crystal Domain from Thin Solution Film. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 064002 | 1.5 | 3 |
| 99 | An evaluation of thermal lags of fast-scan microchip DSC with polymer film samples. <i>Thermochimica Acta</i> , 2014 , 589, 262-269 | 2.9 | 56 |

- 98 Melting behaviors of polyethylene crystals: An application of fast-scan DSC. *Polymer*, **2014**, 55, 3186-3194. 61
- 97 Melting kinetics of it-polypropylene crystals over wide heating rates. *Journal of Thermal Analysis and Calorimetry*, **2013**, 113, 1231-1237. 4-1 37
- 96 Encyclopedia of Polymers and Composites **2013**, 1-12
- 95 Growth of banded spherulites of poly(ϵ -caprolactone) from the blends: An examination of the modeling of spherulitic growth. *Polymer*, **2012**, 53, 1765-1771. 3-9 22
- 94 Structure Evolution in Directional Crystallization of Polymers under Temperature Gradient. *Macromolecules*, **2012**, 45, 852-861. 5-5 11
- 93 Spatiotemporal Patterns Formed by the Dynamics of Bistable Units with Global and Asymmetric Local Interactions. *Journal of the Physical Society of Japan*, **2012**, 81, 043002. 1-5 3
- 92 Cellular Crystallization in Thin Melt Film of it-Poly(butene-1): An Implication to Spherulitic Growth from Bulk Melt. *Macromolecules*, **2011**, 44, 9239-9246. 5-5 10
- 91 Influence of Amorphous Component on Melting of Semicrystalline Polymers. *Macromolecules*, **2011**, 44, 8042-8055. 5-5 49
- 90 Molecular weight dependence of growth and morphology of it-poly(butene-1) spherulites. *Polymer*, **2011**, 52, 2051-2058. 3-9 8
- 89 Morphology and Growth of Single Crystals of Isotactic Polypropylene from the Melt. *Journal of Macromolecular Science - Physics*, **2010**, 50, 236-247. 1-4 12
- 88 Morphology and Crystallization Kinetics of it-Polystyrene Spherulites. *Macromolecules*, **2010**, 43, 3837-3843. 3-5 22
- 87 Microbeam X-ray diffraction of non-banded polymer spherulites of it-polystyrene and it-poly(butene-1). *Polymer*, **2010**, 51, 1837-1844. 3-9 19
- 86 Kinetic study of the III β phase transition of isotactic polybutene-1. *Polymer*, **2010**, 51, 5532-5538. 3-9 54
- 85 Application of a deconvolution method to construct aqueous phase diagram. *Thermochimica Acta*, **2010**, 500, 100-105. 2-9 7
- 84 Acceleration Mechanism in Critical Nucleation of Polymers by Epitaxy of Nucleating Agent. *Polymer Journal*, **2009**, 41, 228-236. 2-7 18
- 83 Mechanical and Thermal Properties of a Hot-melt Adhesive of Triblock Copolymer Added with a Miscible Homopolymer. *Polymer Journal*, **2009**, 41, 74-82. 2-7 1
- 82 Melting Kinetics of Polymer Crystals with an Entropic Barrier. *Macromolecules*, **2008**, 41, 120-127. 5-5 54
- 81 Instability-Driven Branching of Lamellar Crystals in Polyethylene Spherulites. *Macromolecules*, **2008**, 41, 7505-7512. 5-5 44

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| 80 | Branching and Higher Order Structure in Banded Polyethylene Spherulites. <i>Macromolecules</i> , 2008 , 41, 2484-2493 | 5.5 | 75 |
| 79 | Branching and re-orientation of lamellar crystals in non-banded poly(butene-1) spherulites. <i>Polymer</i> , 2008 , 49, 1685-1692 | 3.9 | 29 |
| 78 | Branching and Higher Order Structure in Banded Poly(vinylidene fluoride) Spherulites. <i>Polymer Journal</i> , 2008 , 40, 905-909 | 2.7 | 20 |
| 77 | Enhanced Crystallization of Blended Poly(ethylene terephthalate) and Poly(butylene terephthalate). <i>Polymer Journal</i> , 2008 , 40, 992-995 | 2.7 | 6 |
| 76 | Polymer Crystallization. <i>Seikei-Kakou</i> , 2008 , 20, 78-83 | 0 | |
| 75 | Size distribution and shape of nano-nucleus of polyethylene simultaneously determined by SAXS. <i>Polymer</i> , 2007 , 48, 382-392 | 3.9 | 23 |
| 74 | Role of epitaxy of nucleating agent (NA) in nucleation mechanism of polymers. <i>Polymer</i> , 2007 , 48, 401-408 | 3.9 | 65 |
| 73 | Supercooling (III) dependence of nano-nucleation of PE by SAXS and proposal of a new nucleation theory. <i>Polymer</i> , 2007 , 48, 1116-1126 | 3.9 | 7 |
| 72 | Acceleration Mechanism of Nucleation of Polymers by Nano-sizing of Nucleating Agent. <i>Polymer Journal</i> , 2007 , 39, 55-64 | 2.7 | 21 |
| 71 | Spatiotemporal patterns formed by deformed adhesive in peeling. <i>Journal of Physics: Conference Series</i> , 2007 , 89, 012013 | 0.3 | |
| 70 | Crystal Growth of Isotactic Polystyrene in Ultrathin Films: Thickness and Temperature Dependence. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 1141-1147 | 1.4 | 32 |
| 69 | Dynamic Light Scattering Studies on Crystallization of Isotactic Polystyrene from Dilute Solutions at High Supercoolings. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 1149-1157 | 1.4 | 1 |
| 68 | Acceleration Mechanism of Growth Rates under Shear Flow Due to the Oriented Melt: The Novel Morphology of Spiral Crystal (Spiralite) <i>Macromolecules</i> , 2006 , 39, 1515-1524 | 5.5 | 11 |
| 67 | Pattern formation and spatiotemporal behavior of adhesive in peeling. <i>Physica D: Nonlinear Phenomena</i> , 2006 , 214, 120-131 | 3.3 | 20 |
| 66 | Two-step formation of entanglement from disentangled polymer melt detected by using nucleation rate. <i>Polymer</i> , 2006 , 47, 6422-6428 | 3.9 | 56 |
| 65 | Power law of molecular weight dependence of lateral growth rate of isotactic polypropylene. <i>Polymer</i> , 2006 , 47, 7601-7606 | 3.9 | 9 |
| 64 | Formation mechanism of shish in the oriented melt (I) Bundle nucleus becomes to shish. <i>Polymer</i> , 2005 , 46, 1675-1684 | 3.9 | 41 |
| 63 | Formation mechanism of shish in the oriented melt (II) Two different growth mechanisms along and perpendicular to the flow direction. <i>Polymer</i> , 2005 , 46, 1685-1692 | 3.9 | 21 |

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| 62 | Defects in banded spherulites of polymers. <i>Polymer</i> , 2005 , 46, 8717-8722 | 3.9 | 14 |
| 61 | Transition kinetics of a TiNi alloy examined by temperature-modulated DSC. <i>Thermochimica Acta</i> , 2005 , 431, 98-105 | 2.9 | 7 |
| 60 | Full deconvolution of the instrumental coefficients in scanning calorimeter of heat flux type. <i>Thermochimica Acta</i> , 2005 , 436, 15-25 | 2.9 | 11 |
| 59 | Three-dimensional shape of polyethylene single crystals grown from dilute solutions and from the melt. <i>Polymer</i> , 2005 , 46, 8708-8716 | 3.9 | 32 |
| 58 | Nucleation and size distribution of nucleus during induction period of polyethylene crystallization. <i>Journal of Chemical Physics</i> , 2005 , 123, 204906 | 3.9 | 10 |
| 57 | Modeling of the Peeling Process of Pressure-sensitive Adhesive Tapes with the Combination of Maxwell Elements. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 2135-2141 | 1.5 | 4 |
| 56 | Stability of Tunnel Structure and Relationship between Peel Load and Spatiotemporal Pattern by Deformed Adhesive during Peeling. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 2342-2346 | 1.5 | 21 |
| 55 | Molecular Weight Dependence of Equilibrium Melting Temperature and Lamellar Thickening of Isotactic Polypropylene with High Tacticity. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 733-752 | 1.4 | 21 |
| 54 | An Atomic Force Microscopy Observation of Poly(Vinylidene Fluoride) Banded Spherulites. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 753-760 | 1.4 | 18 |
| 53 | AFM observation of polyethylene single crystals: selective handedness of screw dislocations in a chair type. <i>Polymer</i> , 2003 , 44, 6135-6138 | 3.9 | 25 |
| 52 | Equilibrium Melting Temperature of Isotactic Polypropylene with High Tacticity. 2. Determination by Optical Microscopy. <i>Macromolecules</i> , 2003 , 36, 4802-4812 | 5.5 | 71 |
| 51 | Nucleation and Morphology of Polyethylene Under Shear Flow. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 499-514 | 1.4 | 18 |
| 50 | Equilibrium Melting Temperature of Isotactic Polypropylene with High Tacticity: 1. Determination by Differential Scanning Calorimetry. <i>Macromolecules</i> , 2003 , 36, 4790-4801 | 5.5 | 113 |
| 49 | Morphology, Growth Rate, and Lamellar Thickness of Polymer Crystals. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 867-874 | 1.4 | 7 |
| 48 | Kinetic barrier of pinning in polymer crystallization: Rate equation approach. <i>Journal of Chemical Physics</i> , 2003 , 118, 8446-8455 | 3.9 | 16 |
| 47 | Direct Evidence of Nucleation During the Induction Period of Polyethylene Crystallization by SAXS. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 847-865 | 1.4 | 21 |
| 46 | Periodically modulated driving force applied to polymer crystallization in a visco-elastic measurement with temperature modulation. <i>Thermochimica Acta</i> , 2002 , 391, 81-86 | 2.9 | 1 |
| 45 | Second-order phase transition of high isotactic polypropylene at high temperature. <i>Polymer</i> , 2002 , 43, 1473-1481 | 3.9 | 25 |

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| 44 | Superheating of the melting kinetics in polymer crystals: a possible nucleation mechanism. <i>Polymer</i> , 2002 , 43, 1667-1679 | 3.9 | 117 |
| 43 | Thermo-mechanical coupling and self-excited oscillation in the neck propagation of PET films. <i>Polymer</i> , 2002 , 43, 947-951 | 3.9 | 30 |
| 42 | Role of entanglement in nucleation and melt relaxation of polyethylene. <i>Polymer</i> , 2002 , 43, 6585-6593 | 3.9 | 50 |
| 41 | Dynamical Morphological Property of Adhesive Tape in Peeling. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 1618-1621 | 1.5 | 21 |
| 40 | Power Law of Molecular Weight of the Nucleation Rate of Folded Chain Crystals of Polyethylene. <i>Macromolecules</i> , 2002 , 35, 6985-6991 | 5.5 | 29 |
| 39 | Periodically Modulated Driving Force Applied with TMDSC to the Crystallization and Melting Kinetics of Ice Crystals Confined in a Porous Silica Gel. <i>Magyar Árvad Kémia</i> , 2001 , 64, 775-782 | 0 | 8 |
| 38 | Three-dimensional morphology of PVDF single crystals forming banded spherulites. <i>Polymer</i> , 2001 , 42, 2223-2233 | 3.9 | 82 |
| 37 | Effect of Entanglement on Nucleation Rate of Polyethylene.. <i>Polymer Journal</i> , 2001 , 33, 906-908 | 2.7 | 14 |
| 36 | Application of periodically modulated driving force to the transition kinetics in vinylidene fluoride/trifluoroethylene copolymers. <i>Journal of Chemical Physics</i> , 2001 , 114, 6896-6905 | 3.9 | 11 |
| 35 | Physical Mechanism of Stick-Slip Behavior in Polymer Melt Extrusion: Temperature Dependence of Flow Curve. <i>Journal of the Physical Society of Japan</i> , 2001 , 70, 3268-3273 | 1.5 | 4 |
| 34 | A calibration of complex heat capacity obtained by temperature-modulated DSC in the melting region of polymer crystals. <i>Polymer</i> , 2000 , 41, 8941-8951 | 3.9 | 16 |
| 33 | Kinetic Response of An Epoxy Thermosetting System Observed by TMDSC. <i>Magyar Árvad Kémia</i> , 2000 , 60, 821-827 | 0 | 14 |
| 32 | Lamellar Thickening in Isotactic Polypropylene with High Tacticity Crystallized at High Temperature. <i>Macromolecules</i> , 2000 , 33, 9069-9075 | 5.5 | 81 |
| 31 | Dynamical Stability in the Capillary Flow of Polymer Melt: A Modeling with Statistical Stick-Slip Process. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 77-85 | 1.5 | 6 |
| 30 | Temperature-Modulated DSC Applied to the Transformation Kinetics of Polymer Crystallization. <i>Polymer Journal</i> , 1999 , 31, 790-794 | 2.7 | 21 |
| 29 | Computer simulation of the melting kinetics of polymer crystals under condition of modulated temperature. <i>Thermochimica Acta</i> , 1999 , 330, 75-83 | 2.9 | 19 |
| 28 | Analysis of transitions of liquid crystals and conformationally disordered crystals by temperature-modulated calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 1539-1544 | 2.6 | 14 |
| 27 | Molecular Weight Dependence of Primary Nucleation Rate of Polyethylene I. An Extended Chain Single Crystal. <i>Polymer Journal</i> , 1999 , 31, 749-758 | 2.7 | 27 |

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|----|---|-----|----|
| 26 | Kinetics of irreversible melting of polyethylene crystals revealed by temperature modulated DSC. <i>Thermochimica Acta</i> , 1998 , 324, 95-107 | 2.9 | 35 |
| 25 | Temperature modulated d.s.c. study of poly(ethylene terephthalate) crystallization: 2. Applicability to non-isothermal process. <i>Polymer</i> , 1998 , 39, 1439-1443 | 3.9 | 17 |
| 24 | Molecular weight dependence of lateral growth rate of polyethylene (I) in an extended chain single crystal. <i>Polymer</i> , 1998 , 39, 1591-1596 | 3.9 | 16 |
| 23 | Melting of polymer crystals observed by temperature modulated d.s.c. and its kinetic modelling. <i>Polymer</i> , 1998 , 39, 5093-5104 | 3.9 | 74 |
| 22 | Molecular weight dependence of the lateral growth rate of polyethylene 2. Folded-chain crystals. <i>Polymer</i> , 1998 , 39, 4535-4539 | 3.9 | 45 |
| 21 | A new analyzing method of temperature modulated DSC of exo- or endo-thermic process: Application to polyethylene crystallization. <i>Thermochimica Acta</i> , 1997 , 293, 47-63 | 2.9 | 55 |
| 20 | A new method of analysing transformation kinetics with temperature modulated differential scanning calorimetry: application to polymer crystal growth. <i>Polymer</i> , 1997 , 38, 231-233 | 3.9 | 69 |
| 19 | An application of temperature modulated differential scanning calorimetry to the exothermic process of poly(ethylene terephthalate) crystallization. <i>Polymer</i> , 1997 , 38, 2849-2852 | 3.9 | 37 |
| 18 | A Temperature Modulated DSC Study of Glass Transition in Poly(ethylene terephthalate). <i>Progress of Theoretical Physics Supplement</i> , 1997 , 126, 103-106 | | 5 |
| 17 | Computer simulation of curved crystal habits: polymer crystallization under an anisotropic growth condition. <i>Polymer</i> , 1996 , 37, 1621-1627 | 3.9 | 10 |
| 16 | Melting point maximum against pressure in poly(4-methyl-pentene-1) crystals. <i>Polymer</i> , 1996 , 37, 2285-2287 | 3.9 | 8 |
| 15 | Polyethylene crystallization from dilute solutions: adsorption isotherm on the growth face. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 2581 | | 4 |
| 14 | Atomic Force Microscopy of Solution Grown Polyethylene Single Crystals. <i>Japanese Journal of Applied Physics</i> , 1994 , 33, 3771-3774 | 1.4 | 19 |
| 13 | Atomic Force Microscopy of Isotactic Polystyrene Crystals. <i>Japanese Journal of Applied Physics</i> , 1994 , 33, L1628-L1630 | 1.4 | 12 |
| 12 | Oscillatory neck propagation in polymer films: 2. <i>Polymer</i> , 1994 , 35, 3638-3642 | 3.9 | 20 |
| 11 | Growth mode and curved lateral habits of polyethylene single crystals. <i>Faraday Discussions</i> , 1993 , 95, 129 | 3.6 | 58 |
| 10 | Oscillation and instability of neck propagation in poly(ethylene terephthalate) films. <i>Polymer</i> , 1993 , 34, 2306-2314 | 3.9 | 12 |
| 9 | Growth Kinetics of Polyethylene Single Crystals 1993 , 141-152 | | 1 |

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| 8 | In Situ Electron Microscopy of Crystal Growth of Isotactic Polystyrene from the Melt. <i>Japanese Journal of Applied Physics</i> , 1992 , 31, L626-L627 | 1.4 | 7 |
| 7 | Isotropic scattering in Hv light scattering from spherulites of polymers. <i>Polymer</i> , 1992 , 33, 909-913 | 3.9 | 5 |
| 6 | Crystal growth of polyethylene from dilute solution: Growth kinetics of {110} twins and diffusion-limited growth of single crystals. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1989 , 27, 53-70 | 2.6 | 15 |
| 5 | Nucleation-controlled growth in polyethylene single crystals: Growth and shape of {100} sectors. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1989 , 27, 1721-1729 | 2.6 | 5 |
| 4 | The Growth Kinetics of Polyethylene Twins: Evidence for Nucleation and Growth Processes. <i>Journal of the Physical Society of Japan</i> , 1987 , 56, 1631-1634 | 1.5 | 3 |
| 3 | Growth kinetics of polyethylene single crystals from dilute solution at low supercoolings. <i>Polymer</i> , 1987 , 28, 1645-1651 | 3.9 | 19 |
| 2 | The Impurity Effect on the Growth Mode and Lateral Habit of Polymer Single Crystals. <i>Journal of the Physical Society of Japan</i> , 1986 , 55, 3419-3427 | 1.5 | 23 |
| 1 | A Kinetic Theory on the Growth Rate of Polymer Single Crystals. <i>Journal of the Physical Society of Japan</i> , 1985 , 54, 1411-1422 | 1.5 | 18 |