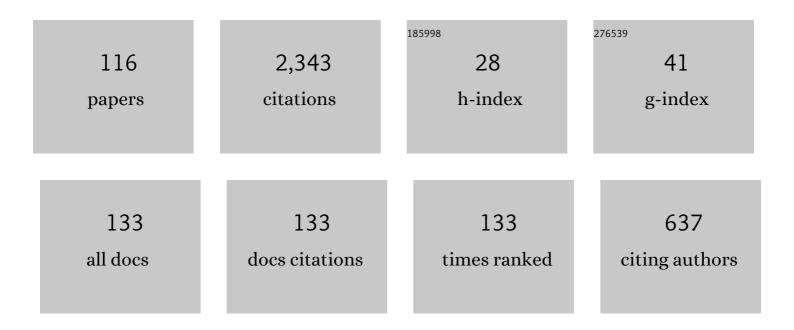
Hidetaka Tobita

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Dimensions of Crosslinked Polymers without Rings. Macromolecular Theory and Simulations, 2022, 31, | 0.6 | 6 |
| 2 | Dimensions of Network Polymers. Macromolecular Theory and Simulations, 2022, 31, . | 0.6 | 3 |
| 3 | Relationship between Branched Structure and Viscoelastic Properties of Highly Branched Polyethylene Derived by Monte Carlo Molecular Simulation and the BoBâ€Rheology Simulation Methods. Macromolecular Theory and Simulations, 2021, 30, 2000069. | 0.6 | 1 |
| 4 | Effect of Branch Point Distribution on the Radius of Gyration in Batch Freeâ€Radical Polymerization with Chain Transfer to Polymer. Macromolecular Theory and Simulations, 2021, 30, 2000036. | 0.6 | 2 |
| 5 | Distributions of Molecular Weights and 3D Sizes of Hyperbranched Polymers Formed in Batch Selfâ€Condensing Vinyl Polymerization. Macromolecular Theory and Simulations, 2021, 30, 2000052. | 0.6 | 1 |
| 6 | Gel Point Properties in Batch Freeâ€Radical Vinyl/Divinyl Copolymerization. Macromolecular Reaction Engineering, 2021, 15, 2100018. | 0.9 | 3 |
| 7 | Bivariate Distribution and Related Analytical Solutions for Batch Stepâ€Growth Polymerization of AB 2 â€Type Monomer. Macromolecular Theory and Simulations, 2020, 29, 1900049. | 0.6 | 2 |
| 8 | Random Branching of Polymer Chains with Schulz–Zimm Distribution. 1. Bivariate Distribution and Related Formulae. Macromolecular Theory and Simulations, 2020, 29, 1900056. | 0.6 | 4 |
| 9 | Random Branching of Polymer Chains with Schulz–Zimm Distribution. 2. Radius of Gyration and Maximum Span Length. Macromolecular Theory and Simulations, 2020, 29, 1900057. | 0.6 | 6 |
| 10 | Universal Relationships in Branched Architecture Formed in Conventional and Living Emulsion Polymerization. Macromolecular Theory and Simulations, 2019, 28, 1900018. | 0.6 | 7 |
| 11 | Universal Relationships in Hyperbranched Polymer Architecture for Batch and Continuous Step Growth Polymerization of AB2-Type Monomers. Processes, 2019, 7, 220. | 1.3 | 14 |
| 12 | Detailed Structural Analysis of the Hyperbranched Polymers Formed in Self ondensing Vinyl Polymerization. Macromolecular Theory and Simulations, 2019, 28, 1800061. | 0.6 | 13 |
| 13 | Modelâ€Based Reactor Design to Control Hyperbranched Polymer Architecture. Macromolecular Reaction Engineering, 2018, 12, 1700065. | 0.9 | 5 |
| 14 | Hyperbranched Polymers Formed Through Selfâ€Condensing Vinyl Polymerization in a Continuous Stirredâ€Tank Reactor (CSTR): 2. Branched Architecture. Macromolecular Theory and Simulations, 2018, 27, 1800028. | 0.6 | 3 |
| 15 | Hyperbranched Polymers Formed Through Self ondensing Vinyl Polymerization in a Continuous Stirredâ€Tank Reactor (CSTR): 1. Molecular Weight Distribution. Macromolecular Theory and Simulations, 2018, 27, 1800027. | 0.6 | 7 |
| 16 | Effect of Chain Transfer to Polymer in Conventional and Living Emulsion Polymerization Process. Processes, 2018, 6, 14. | 1.3 | 7 |
| 17 | Hyperbranched Polymers Formed through Irreversible Step Polymerization of AB ₂ â€₹ype Monomer in a Continuous Flow Stirredâ€₹ank Reactor (CSTR). Macromolecular Theory and Simulations, 2017, 26, 1600078. | 0.6 | 9 |
| 18 | Hyperbranched Polymers Formed Through Irreversible Step Polymerization of AB ₂ â€Type Monomer with Substitution Effect in a Continuous Flow Stirredâ€Tank Reactor (CSTR). Macromolecular Theory and Simulations, 2017, 26, 1700020. | 0.6 | 9 |

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| 19 | Molecular Weight Distribution of Core Cross-Linked Star Polymers. Macromolecular Theory and Simulations, 2017, 26, 1600037. | 0.6 | 2 |
| 20 | Effect of Small Reaction Locus in Free-Radical Polymerization: Conventional and Reversible-Deactivation Radical Polymerization. Polymers, 2016, 8, 155. | 2.0 | 8 |
| 21 | Universality in Branching Frequencies and Molecular Dimensions during Hyperbranched Polymer Formation: Step Polymerization of AB ₂ Type Monomer with Equal Reactivity. Macromolecular Theory and Simulations, 2016, 25, 116-122. | 0.6 | 12 |
| 22 | Universality in Branching Frequencies and Molecular Dimensions during Hyperbranched Polymer Formation: 2. Step Polymerization of AB ₂ Type Monomer with Different Reactivity for the Second B Group. Macromolecular Theory and Simulations, 2016, 25, 123-133. | 0.6 | 10 |
| 23 | Continuous Tanksâ€inâ€6eries Process for Freeâ€Radical Polymerization with Longâ€Chain Branching and Scission: Effect of the Order of a Large Tank. Macromolecular Reaction Engineering, 2015, 9, 556-569. | 0.9 | 8 |
| 24 | Model-Based Reactor Design in Free-Radical Polymerization with Simultaneous Long-Chain Branching and Scission. Processes, 2015, 3, 731-748. | 1.3 | 8 |
| 25 | Markovian Approach to Freeâ€Radical Polymerization with Simultaneous Longâ€Chain Branching and Scission: Effect of Branching and Scission Kinetics. Macromolecular Reaction Engineering, 2015, 9, 245-258. | 0.9 | 6 |
| 26 | Markovian Approach to Self ondensing Vinyl Polymerization: Distributions of Molecular Weights, Degrees of Branching, and Molecular Dimensions. Macromolecular Theory and Simulations, 2015, 24, 117-132. | 0.6 | 19 |
| 27 | Experimental Method to Discriminate RAFT Models between Intermediate Termination and Slow Fragmentation via Comparison of Rates of Miniemulsion and Bulk Polymerization. Macromolecular Theory and Simulations, 2014, 23, 136-146. | 0.6 | 20 |
| 28 | Modeling and Simulation of Complex Polymerization Reactions. Macromolecular Theory and Simulations, 2014, 23, 107-109. | 0.6 | 2 |
| 29 | Continuous Freeâ€Radical Polymerization with Longâ€Chain Branching and Scission in a Tanksâ€inâ€Series Model. Macromolecular Theory and Simulations, 2014, 23, 182-197. | 0.6 | 25 |
| 30 | Freeâ€Radical Polymerization with Longâ€Chain Branching and Scission: Markovian Solution of the Weightâ€Average Molecular Weight. Macromolecular Theory and Simulations, 2014, 23, 477-489. | 0.6 | 15 |
| 31 | On the Discrimination of <scp>RAFT</scp> Models Using Miniemulsion Polymerization. Macromolecular Theory and Simulations, 2013, 22, 399-409. | 0.6 | 10 |
| 32 | Freeâ€Radical Polymerization with Longâ€Chain Branching and Scission in a Continuous Stirredâ€Tank Reactor. Macromolecular Reaction Engineering, 2013, 7, 181-192. | 0.9 | 32 |
| 33 | Experimental Validation of Intermediate Termination in RAFT Polymerization with Dithiobenzoate via Comparison of Miniemulsion and Bulk Polymerization Rates. Macromolecular Reaction Engineering, 2012, 6, 17-23. | 0.9 | 27 |
| 34 | 3E1346 3-D FRET Analysis for Constructing An Atomic Model of the F-actin and Tn Core Domain Complex in the Reconstituted Thin Filament(3E Muscle 2,The 49th Annual Meeting of the Biophysical Society of) Tj ETQqC |) O@øgBT | /Oøerlock 10 |
| 35 | Effects of Fluctuation and Segregation in the Rate Acceleration of ATRP Miniemulsion Polymerization. Macromolecular Theory and Simulations, 2011, 20, 179-190. | 0.6 | 21 |

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³⁶ Effects of Retardation and Variation of Monomer Concentration in RAFT Miniemulsion Polymerization. Macromolecular Theory and Simulations, 2011, 20, 709-720.

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| 37 | Threshold Particle Diameters in Miniemulsion Reversible-Deactivation Radical Polymerization. Polymers, 2011, 3, 1944-1971. | 2.0 | 13 |
| 38 | Change and Convergence of Polymer Distribution During Nonrandom Degradation. Macromolecular Reaction Engineering, 2010, 4, 333-341. | 0.9 | 11 |
| 39 | Modeling Controlled/Living Radical Polymerization Kinetics: Bulk and Miniemulsion. Macromolecular Reaction Engineering, 2010, 4, 643-662. | 0.9 | 39 |
| 40 | Fundamentals of RAFT Miniemulsion Polymerization Kinetics. Macromolecular Symposia, 2010, 288, 16-24. | 0.4 | 18 |
| 41 | Effects of Nano-Sized Polymerization Locus on the Kinetics of Controlled/Living Radical Polymerization. , 2010, , 263-305. | | 2 |
| 42 | RAFT Miniemulsion Polymerization Kinetics, 1 $\hat{a} \in$ Polymerization Rate. Macromolecular Theory and Simulations, 2009, 18, 108-119. | 0.6 | 39 |
| 43 | RAFT Miniemulsion Polymerization Kinetics, 2 – Molecular Weight Distribution. Macromolecular Theory and Simulations, 2009, 18, 120-126. | 0.6 | 32 |
| 44 | Fundamental Molecular Weight Distribution of RAFT Polymers. Macromolecular Reaction Engineering, 2008, 2, 371-381. | 0.9 | 26 |
| 45 | Kinetics of Controlled/Living Radical Polymerization in Emulsified Systems. Macromolecular Symposia, 2008, 261, 36-45. | 0.4 | 26 |
| 46 | Polymer Distribution Change During Irreversible Depolymerization by Chain-End Scission. Macromolecular Theory and Simulations, 2007, 16, 399-406. | 0.6 | 9 |
| 47 | Monte Carlo Simulation of Controlled/Living Radical Polymerization in Emulsified Systems. Macromolecular Theory and Simulations, 2007, 16, 476-488. | 0.6 | 87 |
| 48 | Kinetics of Stable Free Radical Mediated Polymerization inside Submicron Particles. Macromolecular Theory and Simulations, 2007, 16, 810-823. | 0.6 | 45 |
| 49 | Molecular Weight Distribution of Living Radical Polymers. Macromolecular Theory and Simulations, 2006, 15, 12-22. | 0.6 | 51 |
| 50 | Molecular Weight Distribution of Living Radical Polymers. Macromolecular Theory and Simulations, 2006, 15, 23-31. | 0.6 | 39 |
| 51 | Power-law distribution of molecular weights of nonlinear emulsion polymers. E-Polymers, 2005, 5, . | 1.3 | 3 |
| 52 | Scale-Free Power-Law Distribution of Emulsion-Polymerized Branched Polymers: Power Exponent of the Molecular Weight Distribution. Macromolecular Materials and Engineering, 2005, 290, 363-371. | 1.7 | 11 |
| 53 | Scale-free power-law distribution of branched polymers formed in a continuously stirred tank reactor: Simple relationship for the exponent. E-Polymers, 2004, 4, . | 1.3 | 0 |
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| 56 | Heterochain model for simultaneous long-chain branching and crosslinking. III. Multicomponent polymerization. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 2801-2812. | 2.4 | 2 |
| 57 | Scale-Free Power-Law Distribution of Emulsion-Polymerized Nonlinear Polymers:  Free-Radical Polymerization with Chain Transfer to Polymer. Macromolecules, 2004, 37, 585-589. | 2.2 | 13 |
| 58 | Scale-free power-law distribution of nonlinear polymers formed in a homeostatic system. E-Polymers, 2004, 4, . | 1.3 | 0 |
| 59 | Multivariate Composition Distribution in Free-Radical Multicomponent Polymerization, 1. Macromolecular Theory and Simulations, 2003, 12, 463-469. | 0.6 | 8 |
| 60 | Multivariate Composition Distribution in Free-Radical Multicomponent Polymerization, 2. Macromolecular Theory and Simulations, 2003, 12, 470-475. | 0.6 | 4 |
| 61 | Molecular Weight Development during Simultaneous Chain Scission, Long-Chain Branching and Crosslinking, 1. Macromolecular Theory and Simulations, 2003, 12, 24-31. | 0.6 | 12 |
| 62 | Molecular Weight Development during Simultaneous Chain Scission, Long-Chain Branching and Crosslinking, 2. Macromolecular Theory and Simulations, 2003, 12, 32-41. | 0.6 | 23 |
| 63 | Distribution of molecular weight and composition in diblock copolymers. E-Polymers, 2003, 3, . | 1.3 | 0 |
| 64 | Simulation of size exclusion chromatography for branched polymers formed by simultaneous long-chain branching and random scission. E-Polymers, 2002, 2, . | 1.3 | 5 |
| 65 | Bimodal molecular weight distribution formed in the emulsion polymerization of ethylene. Journal of Polymer Science Part A, 2002, 40, 3426-3433. | 2.5 | 12 |
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| 68 | Simultaneous long-chain branching and random scission. II. Analytic expression for the weight-average molecular weights. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 404-414. | 2.4 | 14 |
| 69 | Molecular Weight Development in Free-Radical Polymerization with Polyfunctional Chain-Transfer Agents, 1. Equal Reactivity Model. Macromolecular Theory and Simulations, 2001, 10, 573-580. | 0.6 | 4 |
| 70 | Monte Carlo simulation of size exclusion chromatography for branched polymers formed through free-radical polymerization with chain transfer to polymer. Macromolecular Theory and Simulations, 2000, 9, 453-462. | 0.6 | 26 |
| 71 | Monte Carlo simulation of size exclusion chromatography for randomly branched and crosslinked polymers. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 2009-2018. | 2.4 | 27 |
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| 73 | Postgel properties in the statistical crosslinking of heterochains. II. Free-radical crosslinking copolymerization. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 2342-2350. | 2.4 | 4 |
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| 76 | Markovian approach to nonlinear polymer formation: Free-radical polymerization with chain transfer to polymer. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 357-371. | 2.4 | 12 |
| 77 | Structural requirements for gel formation. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 2015-2018. | 2.4 | 20 |
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| 79 | Molecular weight distribution formed through chain-length-dependent crosslinking reactions. Macromolecular Theory and Simulations, 1998, 7, 225-232. | 0.6 | 23 |
| 80 | Markovian approach to nonlinear polymer formation: Free-radical crosslinking copolymerization. Macromolecular Theory and Simulations, 1998, 7, 675-684. | 0.6 | 16 |
| 81 | Copolymerization with Chain Transfer Monomer. 2. Molecular Weight Distribution. Macromolecules, 1997, 30, 1693-1700. | 2.2 | 19 |
| 82 | Production of Homogeneously Branched Polymers by Using a Chain-Transfer Monomer. Industrial & Engineering Chemistry Research, 1997, 36, 1181-1190. | 1.8 | 3 |
| 83 | Copolymerization with Chain Transfer Monomer. 1. Distribution of Branch Points. Macromolecules, 1997, 30, 1685-1692. | 2.2 | 11 |
| 84 | Statistical branching of heterochains. Macromolecular Theory and Simulations, 1997, 6, 451-465. | 0.6 | 6 |
| 85 | Statistical derivation of kinetic molecular weight development equations in nonlinear free-radical polymerization. Macromolecular Theory and Simulations, 1997, 6, 641-654. | 0.6 | 3 |
| 86 | Molecular weight distribution in nonlinear emulsion polymerization. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 1515-1532. | 2.4 | 17 |
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| 88 | Random Degradation of Branched Polymers. 2. Multiple Branches. Macromolecules, 1996, 29, 3010-3021. | 2.2 | 43 |
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| 104 | Network Formation in Emulsion Crosslinking Copolymerization. Macromolecules, 1994, 27, 3389-3396. | 2.2 | 55 |
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| 114 | Crosslinking kinetics in emulsion copolymerization. Macromolecules, 1992, 25, 2671-2678. | 2.2 | 57 |
| 115 | Kinetics of free-radical copolymerization: the pseudo-kinetic rate constant method. Polymer, 1991, 32, 2641-2647. | 1.8 | 81 |
| 116 | Controllable Powerâ€Law Distribution in Freeâ€Radical Vinyl/Divinyl Copolymerization by Using a | 0.6 | 2 |

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