# Yoshinobu Tsujii

List of Publications by Year
in descending order



| 183 | 10,022 | 44042 48 | 37183 96 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 185 | 185 | 185 | 6366 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Controlled Graft Polymerization of Methyl Methacrylate on Silicon Substrate by the Combined Use of the Langmuirâ€'Blodgett and Atom Transfer Radical Polymerization Techniques. Macromolecules, 1998, 31, 5934-5936. | 2.2 | 551 |
| 2 | Structure and Properties of High-Density Polymer Brushes Prepared by Surface-Initiated Living Radical Polymerization. Advances in Polymer Science, 2006, , 1-45. | 0.4 | 551 |
| 3 | Synthesis of Monodisperse Silica Particles Coated with Well-Defined, High-Density Polymer Brushes by Surface-Initiated Atom Transfer Radical Polymerization. Macromolecules, 2005, 38, 2137-2142. | 2.2 | 528 |
| 4 | Mechanism and Kinetics of RAFT-Based Living Radical Polymerizations of Styrene and Methyl Methacrylate. Macromolecules, 2001, 34, 402-408. | 2.2 | 313 |
| 5 | Mechanism and Kinetics of RAFT-Mediated Graft Polymerization of Styrene on a Solid Surface. 1. Experimental Evidence of Surface Radical Migration. Macromolecules, 2001, 34, 8872-8878. | 2.2 | 305 |
| 6 | Mechanisms and Kinetics of Nitroxide-Controlled Free Radical Polymerization. Macromolecules, 1996, 29, 6393-6398. | 2.2 | 302 |
| 7 | Surface Interaction Forces of Well-Defined, High-Density Polymer Brushes Studied by Atomic Force Microscopy. 2. Effect of Graft Density. Macromolecules, 2000, 33, 5608-5612. | 2.2 | 291 |
| 8 | Synthesis of Gold Nanoparticles Coated with Well-Defined, High-Density Polymer Brushes by Surface-Initiated Living Radical Polymerization. Macromolecules, 2002, 35, 8989-8993. | 2.2 | 286 |
| 9 | Suspensions of Silica Particles Grafted with Concentrated Polymer Brush:â€‰ Effects of Graft Chain Length on Brush Layer Thickness and Colloidal Crystallization. Macromolecules, 2007, 40, 9143-9150. | 2.2 | 264 |
| 10 | Controlled Grafting of a Well-Defined Glycopolymer on a Solid Surface by Surface-Initiated Atom Transfer Radical Polymerization. Macromolecules, 2000, 33, 2870-2874. | 2.2 | 253 |
| 11 | A Kinetic Study on the Rate Retardation in Radical Polymerization of Styrene with Additionâ€'Fragmentation Chain Transfer. Macromolecules, 2002, 35, 3026-3029. | 2.2 | 252 |
| 12 | Well-Defined Block Copolymers Comprising Styreneâ€'Acrylonitrile Random Copolymer Sequences Synthesized by â€œLivingâ€•Radical Polymerization. Macromolecules, 1996, 29, 3050-3052. | 2.2 | 212 |
| 13 | Surface Interaction Forces of Well-Defined, High-Density Polymer Brushes Studied by Atomic Force Microscopy. 1. Effect of Chain Length. Macromolecules, 2000, 33, 5602-5607. | 2.2 | 207 |
| 14 | Protein Repellency of Well-Defined, Concentrated Poly(2-hydroxyethyl methacrylate) Brushes by the Size-Exclusion Effect. Macromolecules, 2006, 39, 2284-2290. | 2.2 | 201 |
| 15 | Surface-initiated atom transfer radical polymerization of methyl methacrylate on magnetite nanoparticles. Polymer, 2004, 45, 2231-2235. | 1.8 | 192 |
| 16 | Synthesis of a Well-Defined Glycopolymer by Nitroxide-Controlled Free Radical Polymerization. Macromolecules, 1998, 31, 1064-1069. | 2.2 | 191 |
| 17 | Fabrication of Ordered Arrays of Gold Nanoparticles Coated with High-Density Polymer Brushes. Angewandte Chemie - International Edition, 2003, 42, 2751-2754. | 7.2 | 185 |
| 18 | Synthesis of a well-defined glycopolymer by atom transfer radical polymerization. Journal of Polymer Science Part A, 1998, 36, 2473-2481. | 2.5 | 176 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Suspensions of Silica Particles Grafted with Concentrated Polymer Brush:Â A New Family of Colloidal Crystals. Macromolecules, 2006, 39, 1245-1249. | 2.2 | 162 |
| 20 | Surface-Initiated Reversible Additionâ€“Fragmentation Chain Transfer (RAFT) Polymerization from Fine Particles Functionalized with Trithiocarbonates. Macromolecules, 2011, 44, 8944-8953. | 2.2 | 140 |
| 21 | Precision Synthesis of a Fluorinated Polyhedral Oligomeric Silsesquioxane-Terminated Polymer and Surface Characterization of Its Blend Film with Poly(methyl methacrylate). Macromolecules, 2005, 38, 1264-1270. | 2.2 | 132 |
| 22 | Controlled grafting of a well-defined polymer on a porous glass filter by surface-initiated atom transfer radical polymerization. Polymer, 2001, 42, 6811-6815. | 1.8 | 131 |
| 23 | Living Radical Polymerizations with Germanium, Tin, and Phosphorus Catalysts â^' Reversible Chain Transfer Catalyzed Polymerizations (RTCPs). Journal of the American Chemical Society, 2007, 129, 13347-13354. | 6.6 | 127 |
| 24 | Reversible Complexation Mediated Living Radical Polymerization (RCMP) Using Organic Catalysts. Macromolecules, 2011, 44, 8709-8715. | 2.2 | 125 |
| 25 | Novel Solidâ€State Polymer Electrolyte of Colloidal Crystal Decorated with Ionicâ€Liquid Polymer Brush. Advanced Materials, 2011, 23, 4868-4872. | 11.1 | 115 |
| 26 | Lubrication Mechanism of Concentrated Polymer Brushes in Solvents: Effect of Solvent Quality and Thereby Swelling State. Macromolecules, 2011, 44, 5013-5019. | 2.2 | 114 |
| 27 | Fabrication of High-Density Polymer Brush on Polymer Substrate by Surface-Initiated Living Radical Polymerization. Macromolecules, 2005, 38, 4604-4610. | 2.2 | 110 |
| 28 | Monodisperse Silica Particles Grafted with Concentrated Oxetane-Carrying Polymer Brushes:Â Their Synthesis by Surface-Initiated Atom Transfer Radical Polymerization and Use for Fabrication of Hollow Spheres. Macromolecules, 2007, 40, 1159-1164. | 2.2 | 101 |
| 29 | Living Radical Polymerization by Polyhedral Oligomeric Silsesquioxane-Holding Initiators:â€‰ Precision Synthesis of Tadpole-Shaped Organic/Inorganic Hybrid Polymers. Macromolecules, 2004, 37, 8517-8522. | 2.2 | 99 |
| 30 | Atomic Force Microscopic Study of Stretching a Single Polymer Chain in a Polymer Brush. Macromolecules, 2000, 33, 5995-5998. | 2.2 | 97 |
| 31 | Reversible chain transfer catalyzed polymerization (RTCP): A new class of living radical polymerization. Polymer, 2008, 49, 5177-5185. | 1.8 | 96 |
| 32 | Mechanism and Kinetics of Nitroxide-Controlled Free Radical Polymerization. Thermal Decomposition of 2,2,6,6-Tetramethyl-1-polystyroxypiperidines. Macromolecules, 1997, 30, 2503-2506. | 2.2 | 95 |
| 33 | Glass Transition Temperatures of High-Density Poly(methyl methacrylate) Brushes. Macromolecules, 2002, 35, 6077-6079. | 2.2 | 91 |
| 34 | Surface-Initiated Living Radical Polymerization from Narrowly Size-Distributed Silica Nanoparticles of Diameters Less Than 100 nm. Macromolecules, 2010, 43, 8805-8812. | 2.2 | 90 |
| 35 | High-pressure atom transfer radical polymerization of methyl methacrylate for well-defined ultrahigh molecular-weight polymers. Polymer, 2008, 49, 2426-2429. | 1.8 | 81 |
| 36 | Fabrication of Patterned High-Density Polymer Graft Surfaces. 1. Amplification of Phase-Separated Morphology of Organosilane Blend Monolayer by Surface-Initiated Atom Transfer Radical Polymerization. Macromolecules, 2002, 35, 1412-1418. | 2.2 | 72 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Living Radical Polymerization with Nitrogen Catalyst: Reversible Chain Transfer Catalyzed Polymerization with N-Iodosuccinimide. Macromolecules, 2008, 41, 6261-6264. | 2.2 | 66 |
| 38 | Surface Engineering of Cellulose Nanofiber by Adsorption of Diblock Copolymer Dispersant for Green Nanocomposite Materials. ACS Applied Materials & Interfaces, 2016, 8, 24893-24900. | 4.0 | 65 |
| 39 | Comparative Study on Decomposition Rate Constants for Some Alkoxyamines. Macromolecules, 2002, 35, 3520-3525. | 2.2 | 63 |
| 40 | Surface interaction of wellâ€defined, concentrated poly(2â€hydroxyethyl methacrylate) brushes with proteins. Journal of Polymer Science Part A, 2007, 45, 4795-4803. | 2.5 | 62 |
| 41 | Stabilization of carbazole radical cation formed in poly(N-vinylcarbazole) by charge delocalization. Macromolecules, 1990, 23, 4019-4023. | 2.2 | 56 |
| 42 | Interaction Forces between Two Hard Surfaces in Particle-Containing Aqueous Systems. Langmuir, 2004, 20, 1953-1962. | 1.6 | 56 |
| 43 | Fabrication of Contrast Agents for Magnetic Resonance Imaging from Polymer-Brush-Afforded Iron Oxide Magnetic Nanoparticles Prepared by Surface-Initiated Living Radical Polymerization. Biomacromolecules, 2013, 14, 3453-3462. | 2.6 | 54 |
| 44 | Strategy for the Improvement of the Mechanical Properties of Cellulose Nanofiber-Reinforced High-Density Polyethylene Nanocomposites Using Diblock Copolymer Dispersants. ACS Applied Materials & Interfaces, 2017, 9, 44079-44087. | 4.0 | 53 |
| 45 | Precision Synthesis of Organic/Inorganic Hybrid Nanocapsules with a Silanol-Functionalized Micelle Template. Angewandte Chemie - International Edition, 2003, 42, 4194-4197. | 7.2 | 52 |
| 46 | Organocatalyzed Living Radical Polymerization via in Situ Halogen Exchange of Alkyl Bromides to Alkyl Iodides. Macromolecules, 2017, 50, 1882-1891. | 2.2 | 52 |
| 47 | Multilayer films of chromophoric cellulose octadecanoates studied by fluorescence spectroscopy. Langmuir, 1992, 8, 936-941. | 1.6 | 51 |
| 48 | Structural Analysis of â€œSemisoftâ€•Colloidal Crystals by Confocal Laser Scanning Microscopy. Macromolecules, 2008, 41, 3620-3626. | 2.2 | 50 |
| 49 | Phenols and Carbon Compounds as Efficient Organic Catalysts for Reversible Chain Transfer Catalyzed Living Radical Polymerization (RTCP). Macromolecules, 2010, 43, 7971-7978. | 2.2 | 49 |
| 50 | Near-infrared charge resonance band of intramolecular carbazole dimer radical cations studied by nanosecond laser photolysis. Chemical Physics Letters, 1989, 154, 559-562. | 1.2 | 48 |
| 51 | Laser photolysis studies on the intramolecular dimer radical cations formed in 1,3-dipyrenylpropanes. The Journal of Physical Chemistry, 1991, 95, 5797-5802. | 2.9 | 45 |
| 52 | Fabrication of patterned high-density polymer graft surfaces. II. Amplification of EB-patterned initiator monolayer by surface-initiated atom transfer radical polymerization. Polymer, 2002, 43, 3837-3841. | 1.8 | 45 |
| 53 | Interaction Forces between Two Silica Surfaces in an Apolar Solvent Containing an Anionic Surfactant. Langmuir, 2004, 20, 1791-1798. | 1.6 | 44 |
| 54 | Synthesis of monodisperse zinc sulfide particles grafted with concentrated polystyrene brush by surface-initiated nitroxide-mediated polymerization. European Polymer Journal, 2009, 45, 2788-2796. | 2.6 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Facile Fabrication of Concentrated Polymer Brushes with Complex Patterning by Photocontrolled Organocatalyzed Living Radical Polymerization. Angewandte Chemie - International Edition, 2018, 57, 13504-13508. | 7.2 | 41 |
| 56 | Elastic Properties of Well-Defined, High-Density Poly(methyl methacrylate) Brushes Studied by Electromechanical Interferometry. Macromolecules, 2002, 35, 9459-9465. | 2.2 | 40 |
| 57 | Lubrication mechanism of concentrated polymer brushes in solvents: effect of solvent viscosity. Polymer Chemistry, 2012, 3, 148-153. | 1.9 | 40 |
| 58 | Blood Clearance and Biodistribution of Polymer Brush-Afforded Silica Particles Prepared by Surface-Initiated Living Radical Polymerization. Biomacromolecules, 2012, 13, 927-936. | 2.6 | 39 |
| 59 | Estimate of the stabilization energy of cation radicals formed in poly(N-vinylcarbazole) and its dimer model compounds by an ion radical transfer method. Macromolecules, 1988, 21, 665-670. | 2.2 | 38 |
| 60 | Two-dimensional ordered arrays of monodisperse silica particles grafted with concentrated polymer brushes. European Polymer Journal, 2007, 43, 243-248. | 2.6 | 38 |
| 61 | High voltage electric double layer capacitor using a novel solid-state polymer electrolyte. Journal of Power Sources, 2015, 295, 108-116. | 4.0 | 38 |
| 62 | Interaction Forces and Zeta Potentials of Cationic Polyelectrolyte Coated Silica Surfaces in Water and in Ethanol:Â Effects of Chain Length and Concentration of Perfluorinated Anionic Surfactants on Their Binding to the Surface. Langmuir, 2001, 17, 6220-6227. | 1.6 | 37 |
| 63 | A Versatile Method of Initiator Fixation for Surface-Initiated Living Radical Polymerization on Polymeric Substrates. Macromolecules, 2010, 43, 5569-5574. | 2.2 | 37 |
| 64 | Conformations of naphthalene dimer cation radicals studies by laser photolysis. The Journal of Physical Chemistry, 1989, 93, 1244-1248. | 2.9 | 36 |
| 65 | Structure and stability of dimer radical cations of poly(vinylnaphthalene)s studied by charge-resonance band measurement and radical-cation-transfer method. Macromolecules, 1991, 24, 4061-4066. | 2.2 | 35 |
| 66 | Dielectric relaxation of liquid crystalline cyanoethylated O-(2,3-dihydroxypropyl)cellulose. Macromolecules, 1991, 24, 4691-4697. | 2.2 | 34 |
| 67 | Synthesis of a well-defined anthracene-labelled polystyrene by atomtransfer radical polymerization. Polymer, 1999, 40, 759-763. | 1.8 | 33 |
| 68 | Fabrication of surface skinless membranes of epoxy resin-based mesoporous monoliths toward advanced separators for lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 6866-6873. | 5.2 | 33 |
| 69 | Physicochemical Characterization of an Anatase TiO2Surface and the Adsorption of a Nonionic Surfactant:Â An Atomic Force Microscopy Study. Langmuir, 2005, 21, 11283-11288. | 1.6 | 30 |
| 70 | Immobilization of Semisoft Colloidal Crystals Formed by Polymer-Brush-Afforded Hybrid Particles. Langmuir, 2014, 30, 7304-7312. | 1.6 | 30 |
| 71 | Fabrication and Electrochemical Properties of High-density Graft Films with Ferrocene Moieties on ITO Substrates. Chemistry Letters, 2005, 34, 1366-1367. | 0.7 | 29 |
| 72 | Reversible Chain Transfer Catalyzed Polymerizations (RTCPs) of Styrene and Methyl Methacrylate with Phosphorus Catalysts. Macromolecular Symposia, 2008, 261, 18-22. | 0.4 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Transformation of Nano- to Mesosized Iron Oxide Cores to Î±-Fe within Organic Shells Preserved Intact. Chemistry of Materials, 2011, 23, 1564-1569. | 3.2 | 29 |
| 74 | Size-Exclusion Effect and Protein Repellency of Concentrated Polymer Brushes Prepared by Surface-Initiated Living Radical Polymerization. Macromolecular Symposia, 2007, 248, 189-198. | 0.4 | 28 |
| 75 | A Robust Lubrication System Using an Ionic Liquid Polymer Brush. Advanced Materials Interfaces, 2015, 2, 1500187. | 1.9 | 28 |
| 76 | Synthesis of Concentrated Polymer Brushes via Surface-Initiated Organotellurium-Mediated Living Radical Polymerization. Macromolecules, 2013, 46, 6777-6785. | 2.2 | 27 |
| 77 | Controlled synthesis of hydrophilic concentrated polymer brushes and their friction/lubrication properties in aqueous solutions. Journal of Polymer Science Part A, 2011, 49, 5284-5292. | 2.5 | 26 |
| 78 | Macromolecular Architectures Designed by Living Radical Polymerization with Organic Catalysts. Polymers, 2014, 6, 311-326. | 2.0 | 26 |
| 79 | Excimer formation in sterically hindered poly(9-vinylcarbazole) and its dimer model compounds. Macromolecules, 1990, 23, 2666-2673. | 2.2 | 25 |
| 80 | Mono- and Multilayer Langmuir-Blodgett Films of Cellulose Tri-n-alkyl Esters Studied by Transmission Electron Microscopy.. Polymer Journal, 1992, 24, 641-652. | 1.3 | 25 |
| 81 | Preparation and characterization of redox cellulose Langmuir-Blodgett films containing a ferrocene derivative. Journal of Polymer Science Part A, 2005, 43, 5023-5031. | 2.5 | 25 |
| 82 | Studies of conformation and electronic structure of the radical cations of 2,4-di(N-carbazolyl)pentane and 1,3-dinaphthylpropanes in fluids and in rigid matrices by optical spectroscopy and molecular orbital analyses. The Journal of Physical Chemistry, 1991, 95, 8635-8640. | 2.9 | 24 |
| 83 | Suppression of Cell Adhesion on Well-defined Concentrated Polymer Brushes of Hydrophilic Polymers. Chemistry Letters, 2010, 39, 142-143. | 0.7 | 23 |
| 84 | A Systematic Kinetic Study in Reversible Chain Transfer Catalyzed Polymerizations (RTCPs) with Germanium, Tin, Phosphorus, and Nitrogen Catalysts. Macromolecular Chemistry and Physics, 2010, 211, 594-600. | 1.1 | 23 |
| 85 | Reversible gelation of short-chain O-(2,3-dihydroxypropyl)cellulose/borax solutions. 1. A 11B-NMR study on polymer-ion interactions. Macromolecules, 1992, 25, 3890-3895. | 2.2 | 22 |
| 86 | Characteristic phase-separated monolayer structure observed for blends of rodlike and flexible polymers. Polymer, 2001, 42, 2007-2013. | 1.8 | 22 |
| 87 | A trough with radial compression for studies of monolayers and fabrication of Langmuir-Blodgett films. Thin Solid Films, 1996, 280, 238-243. | 0.8 | 21 |
| 88 | Free-Radical Copolymerization of Styrene and Diethyl Fumarate. Penultimate-Unit Effects on Both Propagation and Termination Processes. Macromolecules, 2001, 34, 4749-4756. | 2.2 | 21 |
| 89 | Some aspects of nitroxide-mediated living radical polymerization of N-(p-vinylbenzyl)phthalimide. European Polymer Journal, 2004, 40, 81-88. | 2.6 | 21 |
| 90 | Synthesis of Monodisperse Silica Particles Grafted with Concentrated Ionic Liquid-Type Polymer Brushes by Surface-Initiated Atom Transfer Radical Polymerization for Use as a Solid State Polymer Electrolyte. Polymers, 2016, 8, 146. | 2.0 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Effective Reinforcement of Poly(methyl methacrylate) Composites with a Well-Defined Bacterial Cellulose Nanofiber Network. ACS Sustainable Chemistry and Engineering, 2019, 7, 13351-13358. | 3.2 | 18 |
| 92 | Well-Defined Polymer-Brush-Coated Rod-Shaped Particles: Synthesis and Formation of Liquid Crystals. Macromolecules, 2016, 49, 8430-8439. | 2.2 | 17 |
| 93 | Controlled Synthesis of Concentrated Polymer Brushes with Ultralarge Thickness by Surface-Initiated Atom Transfer Radical Polymerization under High Pressure. Macromolecules, 2020, 53, 132-137. | 2.2 | 17 |
| 94 | Steric Effect on Dimer Radical Cation Formation of Poly(3,6-di-tert-butyl-9-vinylcarbazole) and Its Dimeric Model Compounds Studied by Laser Photolysis. Polymer Journal, 1990, 22, 319-325. | 1.3 | 16 |
| 95 | Preparation and dielectric properties of cellulose derivatives with high-polarity substituents. Die Makromolekulare Chemie, 1992, 193, 647-658. | 1.1 | 16 |
| 96 | High-density poly(hexyl methacrylate) brushes offering a surface for near-zero azimuthal anchoring of liquid crystals at room temperature. Journal of Materials Chemistry C, 2013, 1, 7992. | 2.7 | 16 |
| 97 | Controlled Polymerization of Protic Ionic Liquid Monomer by ARGETâ€ATRP and TERP. Macromolecular Rapid Communications, 2014, 35, 642-648. | 2.0 | 16 |
| 98 | Preparation of High-Performance Polyethylene Composite Materials Reinforced with Cellulose Nanofiber: Simultaneous Nanofibrillation of Wood Pulp Fibers during Melt-Compounding Using Urea and Diblock Copolymer Dispersant. ACS Applied Polymer Materials, 2019, 1, 178-187. | 2.0 | 16 |
| 99 | Water Lubricating and Biocompatible Films of Bacterial Cellulose Nanofibers Surface-Modified with Densely Grafted, Concentrated Polymer Brushes. ACS Applied Nano Materials, 2021, 4, 1503-1511. | 2.4 | 16 |
| 100 | Orientation-dependent interactions in polymer systems. 3. Segmental orientation in poly(2,6-dimethyl-1,4-phenylene oxide)/polystyrene miscible blends. Macromolecules, 1993, 26, 3980-3985. | 2.2 | 15 |
| 101 | Light-Harvesting Nanorods Based on Pheophorbide-Appending Cellulose. Biomacromolecules, 2013, 14, 3223-3230. | 2.6 | 14 |
| 102 | Molecularly imprinted polymers by reversible chain transfer catalysed polymerization. Polymer, 2015, 78, 31-36. | 1.8 | 14 |
| 103 | An in-plane switching liquid crystal cell with weakly anchored liquid crystals on the electrode substrate. Journal of Materials Chemistry C, 2017, 5, 4384-4387. | 2.7 | 14 |
| 104 | Semisoft Colloidal Crystals in Ionic Liquids. Langmuir, 2017, 33, 7130-7136. | 1.6 | 14 |
| 105 | Novel in-plane switching liquid crystal display with an extremely high transmittance using a well-designed bottlebrush as a zero-azimuth anchoring material. Japanese Journal of Applied Physics, 2019, 58, 066503. | 0.8 | 14 |
| 106 | Triplet energy transfer of the intramolecular system having benzophenone and dibenz[b,f]azepine at the chain ends: chain length dependence. The Journal of Physical Chemistry, 1991, 95, 3480-3486. | 2.9 | 13 |
| 107 | Effects of Acetic Anhydride on the Activation and Polymerization Rates in Nitroxide-Mediated Polymerization of Styrene. Chemistry Letters, 2000, 29, 788-789. | 0.7 | 13 |
| 108 | Reversible Chain Transfer Catalyzed Polymerization of Methyl Methacrylate with In-Situ Formed Alkyl Iodide Initiator. Australian Journal of Chemistry, 2009, 62, 1492. | 0.5 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Exploiting the Synergy between Concentrated Polymer Brushes and Laser Surface Texturing to Achieve Durable Superlubricity. ACS Applied Materials & Interfaces, 2022, 14, 15818-15829. | 4.0 | 13 |
| 110 | Fluorescence spectroscopy for a cellulose trioctadecanoate monolayer at the air/water interface. Langmuir, 1991, 7, 2803-2807. | 1.6 | 12 |
| 111 | Langmuirâ^'Blodgett Films of a Glucose Residue-Carrying Amphiphilic Block Copolymer Studied by Surface Plasmons and Transmission Electron Microscopy. Langmuir, 1996, 12, 3671-3674. | 1.6 | 12 |
| 112 | Reversible Complexation Mediated Polymerization (RCMP) of Methyl Methacrylate. ACS Symposium Series, 2012, , 305-315. | 0.5 | 12 |
| 113 | Surface-initiated living radical polymerization from silica particles functionalized with poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overl | 1.0 | 12 |
| 114 | USAXS analysis of concentration-dependent self-assembling of polymer-brush-modified nanoparticles in ionic liquid: [I] concentrated-brush regime. Journal of Chemical Physics, 2018, 148, 124902. | 1.2 | 12 |
| 115 | Concentrated Polymer Brush as Reciprocating Seal Material for Low Leakage and Low Friction. Tribology Transactions, 2020, 63, 20-27. | 1.1 | 12 |
| 116 | Gelation Processes of Polymer Solutions. 1. Photodimerization of Free and Polymer-Bound Anthryl Groups. Macromolecules, 1996, 29, 3851-3856. | 2.2 | 11 |
| 117 | Effect of Fiber Structure on Heat of Wetting of Cotton and Regenerated Cellulosic Fibers. Textile Reseach Journal, 1999, 69, 559-564. | 1.1 | 11 |
| 118 | Mechanisms and Kinetics of Living Radical Polymerization: Absolute Comparison of Theory and Experiment. ACS Symposium Series, 2003, , 24-39. | 0.5 | 11 |
| 119 | Preparation and Characterization of Monolayer and Multilayer Langmuirâ^'Blodgett Films of a Series of 6-O-Alkylcelluloses. Biomacromolecules, 2005, 6, 2067-2073. | 2.6 | 11 |
| 120 | Langmuirâ^'Blodgett Films of a Novel Cellulose Derivative with Dihydrophytyl Group:Â The Ability to Anchor Î²-Carotene Molecules. Biomacromolecules, 2006, 7, 1960-1967. | 2.6 | 11 |
| 121 | Reversible Chain Transfer Catalyzed Polymerization (RTCP) with Alcohol Catalysts. ACS Symposium Series, 2009, , 159-168. | 0.5 | 11 |
| 122 | Synthesis of Iron Oxide Rods Coated with Polymer Brushes and Control of Their Assembly in Thin Films. Langmuir, 2015, 31, 1172-1179. | 1.6 | 11 |
| 123 | Nematic liquid crystal anchoring strengths of high density polymer brush surfaces. Liquid Crystals, 2015, 42, 181-188. | 0.9 | 11 |
| 124 | Versatile preparation of surface-skinless particles of epoxy resin-based monoliths using a well-defined diblock copolymer surfactant. Polymer Chemistry, 2018, 9, 414-419. | 1.9 | 11 |
| 125 | High-Density Poly(methyl methacrylate) Brushes as Anchoring Surfaces of Nematic Liquid Crystals. Japanese Journal of Applied Physics, 2011, 50, 071701. | 0.8 | 10 |
| 126 | Main-Chain Stiffness of Cellulosic Bottlebrushes with Polystyrene Side Chains Introduced Regioselectively at the O-6 Position. Macromolecules, 2019, 52, 8733-8740. | 2.2 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Structural characteristics of polysaccharideâ€based thermotropic liquid crystals. Macromolecular Symposia, 1995, 99, 257-267. | 0.4 | 9 |
| 128 | Orientation-Dependent Interactions in Polymer Systems. 4. Chain-Length Dependence of the Nematic-Isotropic Transition Behavior of Thermotropic Semiflexible Polymers. Macromolecules, 1995, 28, 3387-3393. | 2.2 | 9 |
| 129 | AFM Observation of Band-Like Cellulose Assemblies Produced byAcetobacter xylinum. Biomacromolecules, 2004, 5, 2079-2081. | 2.6 | 9 |
| 130 | Shrinkage and swelling behavior of archaeological waterlogged wood preserved with slightly crosslinked sodium polyacrylate. Journal of Wood Science, 2018, 64, 294-300. | 0.9 | 9 |
| 131 | Control of Phase Separation in Polystyrene/Ionic Liquid-Blended Films by Polymer Brush-Grafted Particles. Langmuir, 2019, 35, 3733-3747. | 1.6 | 9 |
| 132 | High-Density Poly(methyl methacrylate) Brushes as Anchoring Surfaces of Nematic Liquid Crystals. Japanese Journal of Applied Physics, 2011, 50, 071701. | 0.8 | 9 |
| 133 | Use of Alcohol as Initiator for Reversible Chain Transfer Catalyzed Polymerization. Macromolecular Reaction Engineering, 2010, 4, 272-277. | 0.9 | 8 |
| 134 | Synthesis and Characterization of Polystyrene Brushes for Organic Thin Film Transistors. Journal of Nanoscience and Nanotechnology, 2012, 12, 4137-4141. | 0.9 | 8 |
| 135 | Assessment of endoglucanase activity by analyzing the degree of cellulose polymerization and high-throughput analysis by near-infrared spectroscopy. Cellulose, 2016, 23, 1565-1572. | 2.4 | 8 |
| 136 | Flocculation of Cells by Cellulose Nanofibers Modified with Concentrated Polymer Brushes. ACS Applied Nano Materials, 2018, 1, 1450-1455. | 2.4 | 8 |
| 137 | Effect of surface texturing on the durability of concentrated polymer brushes. Tribology International, 2021, 155, 106668. | 3.0 | 8 |
| 138 | Nonbiofouling Coatings Using Bottlebrushes with Concentrated Polymer Brush Architecture. Biomacromolecules, 2021, 22, 2505-2514. | 2.6 | 8 |
| 139 | Reversible gelation of short-chain O-(2,3-dihydroxypropyl) cellulose/borax solutions. 2. Sol-gel transition. Macromolecules, 1992, 25, 5970-5973. | 2.2 | 7 |
| 140 | Influence of a Fluorescent Probe on the Local Relaxation Times for a Polystyrene Chain in the Fluorescence Depolarization Method. Macromolecules, 1999, 32, 2270-2274. | 2.2 | 7 |
| 141 | Synthesis of well-defined polymers with protected silanol groups by atom transfer radical polymerization and their use for the fabrication of polymeric nanoparticles. European Polymer Journal, 2004, 40, 2665-2670. | 2.6 | 7 |
| 142 | Strain Hardening of Highly Stretchable Elastomeric Composites Reinforced with Well-Defined Nanofiber Network of Bacterial Cellulose. Journal of Fiber Science and Technology, 2018, 74, 17-23. | 0.2 | 7 |
| 143 | pMAIRS Analysis on Chain-End Functionalization of Densely Grafted, Concentrated Polymer Brushes. Macromolecules, 2019, 52, 6673-6682. | 2.2 | 7 |
| 144 | Enhancing durability of concentrated polymer brushes using microgrooved substrates. Wear, 2021, 482-483, 203984. | 1.5 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Orientation-dependent interactions in polymer systems. 2. Segmental orientation in binary blends. Macromolecules, 1992, 25, 2196-2199. | 2.2 | 6 |
| 146 | Viscoelastic PS brush surface offering strong anchoring at low temperature and near-zero anchoring at high temperature for LC molecules. Liquid Crystals, 2013, 40, 221-227. | 0.9 | 6 |
| 147 | Visualization of Individual Images in Patterned Organicâ€“Inorganic Multilayers Using GISAXS-CT. Langmuir, 2017, 33, 4675-4681. | 1.6 | 6 |
| 148 | Facile Fabrication of Concentrated Polymer Brushes with Complex Patterning by Photocontrolled Organocatalyzed Living Radical Polymerization. Angewandte Chemie, 2018, 130, 13692-13696. | 1.6 | 6 |
| 149 | Stabilization of an Anion Radical Formed in Poly(vinyl methyl terephthalate) Studied by Anion Radical Transfer Method. Polymer Journal, 1988, 20, 837-844. | 1.3 | 5 |
| 150 | Exterplex formation of poly(3,6-di-tert-butyl-9-vinylcarbazole) and its dimeric model compounds with dimethyl terephthalate studied by fluorescence spectroscopy. Macromolecules, 1993, 26, 1411-1416. | 2.2 | 5 |
| 151 | Orientation-Dependent Interactions in Polymer Systems. 6. Effect of Segmental Orientation on Polymer Miscibility. Macromolecules, 1996, 29, 3300-3302. | 2.2 | 5 |
| 152 | Applicability of Near-infrared Spectroscopic Method to Unfreezable Water Measurements in Egg White Lysozyme and Soluble Starch. LWT - Food Science and Technology, 1997, 30, 406-410. | 2.5 | 5 |
| 153 | Controlling the Thermally Induced Phase Separation of Polymer/Ionic Liquid Blended Films with Concentrated-Polymer-Brush-Decorated Hybrid Particles. Langmuir, 2019, 35, 14566-14575. | 1.6 | 5 |
| 154 | Dynamics of lubricious, concentrated PMMA brush layers studied by surface forces and resonance shear measurements. Soft Matter, 2019, 15, 7765-7776. | 1.2 | 5 |
| 155 | Convenient Synthesis of Very-Thick Concentrated Polymer Brushes by Atom Transfer Radical Polymerization in an Ionic Liquid. Macromolecules, 2020, 53, 7936-7943. | 2.2 | 5 |
| 156 | Concentrated-Polymer-Brush-Modified Silica Nanoparticles Self-Assembled in Ionic Liquid Containing Iodide/Triiodide (Iâ€“/I3â€“)-Redox System as Quasi-Solid Electrolytes for Dye-Sensitized Solar Cells. ACS Applied Nano Materials, 2021, 4, 6620-6628. | 2.4 | 5 |
| 157 | Durability Improvement of Concentrated Polymer Brushes by Multiscale Texturing. Tribology Letters, 2021, 69, . | 1.2 | 5 |
| 158 | Super-Low Friction of Thermal-Treatment-Concentrated Polymer Brushes (TT-CPBs) under Boundary Lubrication: A Practical Method to Shorten the Swelling Time of CPBs in Solvents. Tribology Online, 2019, 14, 226-236. | 0.2 | 5 |
| 159 | Conformation of linear aggregates of thermally denatured ovalbumin. Macromolecules, 1991, 24, 6786-6787. | 2.2 | 4 |
| 160 | Thermal Relaxation Process of Stearate LB Films Sandwiched by Chromophoric Polymer LB Layers Studied by the Energy Transfer Method and Transmission Electron Microscopy. Langmuir, 1994, 10, 4142-4147. | 1.6 | 4 |
| 161 | Structural analysis of polymer-brush-type cellulose Î²-ketoesters by molecular dynamics simulation. Cellulose, 2008, 15, 651-658. | 2.4 | 4 |
| 162 | Lubrication Characteristics of Epoxy Resinâ€Based Monolithic Thin Films with a Wellâ€Defined Porous Morphology. Advanced Engineering Materials, 2019, 21, 1900683. | 1.6 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Near-Zero Azimuthal Anchoring of Liquid Crystals Assisted by Viscoelastic Bottlebrush Polymers. ACS Applied Polymer Materials, 2021, 3, 2618-2625. | 2.0 | 4 |
| 164 | Regioselective synthesis of cellulosic janus bottlebrushes with polystyrene and poly (Îµ-caprolactone) side chains and their solid-state microphase separation. Cellulose, 2021, 28, 6857-6868. | 2.4 | 4 |
| 165 | Living Polymerization of Photofunctional Carbazole Polymers by Atom Transfer Radical Polymerization Technique.. Kobunshi Ronbunshu, 2002, 59, 421-426. | 0.2 | 3 |
| 166 | Preparation and Characterization of 6-O-(4-stearyloxytrityl)Cellulose acetate Langmuirâ€“Blodgett Films. Cellulose, 2005, 12, 361-369. | 2.4 | 3 |
| 167 | Phase-separated structures of mixed LB films of silane-coupling agents with polymerization initiating groups and amphiphilic carboxylic acids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 321, 76-81. | 2.3 | 3 |
| 168 | Living Radical Polymerizations with Organic Catalysts. RSC Polymer Chemistry Series, 2013, , 250-286. | 0.1 | 3 |
| 169 | Surface-Initiated Living Radical Polymerizations Using Iodine, Organotellurium, and Organic Catalysts. Advances in Polymer Science, 2015, , 107-122. | 0.4 | 2 |
| 170 | 83â€‐1L: Lateâ€News Paper: Electroâ€optic Characteristics of OZâ€IPS LCD Utilizing an Applicationâ€Type, Zeroâ€Azimuth Anchoring Material. Digest of Technical Papers SID International Symposium, 2017, 48, 704-707. | 0.1 | 2 |
| 171 | Simultaneous Nanofibrillation and Compounding of Wood Pulp Fibers Using Polyols as Plasticizers:Fabricating High-Performance Cellulose-Nanofiber-Reinforced Polyethylene Composites. Journal of Fiber Science and Technology, 2020, 76, 23-31. | 0.2 | 2 |
| 172 | Conformational characteristics of regioselectively PEG/PS-grafted cellulosic bottlebrushes in solution: cross-sectional structure and main-chain stiffness. Polymer Journal, 0, , . | 1.3 | 2 |
| 173 | The behavior of the intra-and intermolecular pyrene dimer cation radical as studied by nanosecond laser photolysis in near-IR region.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1989, 1989, 1285-1291. | 0.1 | 1 |
| 174 | Exciplex formation of polymers having carbazole or terephthalate chromophore. Neighboring chromophore interaction.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1989, 1989, 1304-1310. | 0.1 | 1 |
| 175 | Uniaxial extensional flow behavior of comb-shaped poly(methyl methacrylate). Rheologica Acta, 2015, 54, 637-645. | 1.1 | 1 |
| 176 | Rheological characterization of H-shaped poly(methyl methacrylate)s. Rheologica Acta, 2015, 54, 793-804. | 1.1 | 1 |
| 177 | Well-defined monolith morphology regulates cell adhesion and its functions. Materials Science and Engineering C, 2019, 105, 110108. | 3.8 | 1 |
| 178 | Effect of Surface Treatments on Viscoelastic Measurements of Thread-like Micellar Solutions. Nihon Reoroji Gakkaishi, 2008, 36, 187-190. | 0.2 | 1 |
| 179 | Living Radical Polymerizations with Organic Catalysts. Kobunshi Ronbunshu, 2011, 68, 223-231. | 0.2 | 0 |
| 180 | Synthesis and Radical Polymerization of Acrylamides Having One or Two 3-Carbazolylmethyl Moieties and Properties of the Formed Polymers. Chemistry Letters, 2017, 46, 85-87. | 0.7 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Precise synthesis of double-armed polymers with fullerene C<sub>60</sub> at the junction for controlled architecture. Polymer Chemistry, 2020, 11, 4417-4425. | 1.9 | 0 |
| 182 | Gelation of Styrene-Acrylonitrile Copolymer via Cyclodiborazane Formation. Nihon Reoroji Gakkaishi, 1997, 25, 197-198. | 0.2 | 0 |
| 183 | Development of Novel Nano-systems for Electrochemical Devices by Hierarchizing Concentrated Polymer Brushes. , 2016, , 195-215. | | 0 |