

Kodai Watanabe

List of Publications by Year in descending order

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docs citations

109
times ranked

3142
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A microbial factory for lactate-based polyesters using a lactate-polymerizing enzyme. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17323-17327. | 3.3 | 261 |
| 2 | Structure of bacterial cellulose synthase subunit D octamer with four inner passageways. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17957-17961. | 3.3 | 118 |
| 3 | Enhanced dispersion stability of gold nanoparticles by the physisorption of cyclic poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 105 | 5.8 | 105 |
| 4 | Synthesis of Linear, Cyclic, Figure-Eight-Shaped, and Tadpole-Shaped Amphiphilic Block Copolyethers via $\text{t-Bu-P}_{4\text{-C}}$ -Catalyzed Ring-Opening Polymerization of Hydrophilic and Hydrophobic Glycidyl Ethers. Macromolecules, 2014, 47, 2853-2863. | 2.2 | 75 |
| 5 | Engineering of l-tyrosine oxidation in Escherichia coli and microbial production of hydroxytyrosol. Metabolic Engineering, 2012, 14, 603-610. | 3.6 | 74 |
| 6 | Characterization of an Alginate Lyase, FlAlyA, from Flavobacterium sp. Strain UMI-01 and Its Expression in Escherichia coli. Marine Drugs, 2014, 12, 4693-4712. | 2.2 | 72 |
| 7 | Cellulose complementing factor (Ccp) is a new member of the cellulose synthase complex (terminal) Tj ETQq1 1 0.784314 rgBT /Overlock 71 | 1.1 | 71 |
| 8 | NMR characterization of sodium carboxymethyl cellulose: Substituent distribution and mole fraction of monomers in the polymer chains. Carbohydrate Polymers, 2016, 146, 1-9. | 5.1 | 64 |
| 9 | Application of cross-linked salmon atelocollagen to the scaffold of human periodontal ligament cells. Journal of Bioscience and Bioengineering, 2004, 97, 389-394. | 1.1 | 63 |
| 10 | Alkali Metal Carboxylate as an Efficient and Simple Catalyst for Ring-Opening Polymerization of Cyclic Esters. Macromolecules, 2018, 51, 689-696. | 2.2 | 61 |
| 11 | Cloning of Cellulose Synthesis Related Genes from Acetobacter xylinum ATCC23769 and ATCC53582: Comparison of Cellulose Synthetic Ability Between Strains. DNA Research, 2002, 9, 149-156. | 1.5 | 59 |
| 12 | Organophosphate-catalyzed bulk ring-opening polymerization as an environmentally benign route leading to block copolyesters, end-functionalized polyesters, and polyester-based polyurethane. Polymer Chemistry, 2015, 6, 4374-4384. | 1.9 | 53 |
| 13 | One-step production of nanofibrillated bacterial cellulose (NFBC) from waste glycerol using Gluconacetobacter intermedius NEDO-01. Cellulose, 2013, 20, 2971-2979. | 2.4 | 50 |
| 14 | Engineering of a Tyrosol-Producing Pathway, Utilizing Simple Sugar and the Central Metabolic Tyrosine, in Escherichia coli. Journal of Agricultural and Food Chemistry, 2012, 60, 979-984. | 2.4 | 49 |
| 15 | Structural characterization of the Acetobacter xylinum endo- β -1,4-glucanase CMCax required for cellulose biosynthesis. Proteins: Structure, Function and Bioinformatics, 2006, 64, 1069-1077. | 1.5 | 47 |
| 16 | Stereoblock-like Brush Copolymers Consisting of Poly(L -lactide) and Poly(D -lactide) Side Chains along Poly(norbornene) Backbone: Synthesis, Stereocomplex Formation, and Structure-Property Relationship. Macromolecules, 2014, 47, 7118-7128. | 2.2 | 46 |
| 17 | In Vivo Curdlan/Cellulose Bionanocomposite Synthesis by Genetically Modified <i>Gluconacetobacter xylinus</i> . Biomacromolecules, 2015, 16, 3154-3160. | 2.6 | 45 |
| 18 | Synthesis of Well-Defined Three- and Four-Armed Cage-Shaped Polymers via "Topological Conversion" from Trefoil- and Quatrefoil-Shaped Polymers. Macromolecules, 2017, 50, 97-106. | 2.2 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The production of a new water-soluble polysaccharide by <i>Acetobacter xylinum</i> NCI 1005 and its structural analysis by NMR spectroscopy. <i>Carbohydrate Research</i> , 1997, 305, 117-122. | 1.1 | 42 |
| 20 | Effects of endogenous endo- β -1,4-glucanase on cellulose biosynthesis in <i>Acetobacter xylinum</i> ATCC23769. <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 275-281. | 1.1 | 42 |
| 21 | Chemo-enzymatic synthesis of polyhydroxyalkanoate (PHA) incorporating 2-hydroxybutyrate by wild-type class I PHA synthase from <i>Ralstonia eutropha</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 509-517. | 1.7 | 42 |
| 22 | The c-di-GMP recognition mechanism of the PilZ domain of bacterial cellulose synthase subunit A. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 802-807. | 1.0 | 42 |
| 23 | Bacterial cellulose gels with high mechanical strength. <i>Materials Science and Engineering C</i> , 2015, 47, 57-62. | 3.8 | 42 |
| 24 | Stretchable OFET Memories: Tuning the Morphology and the Charge-Trapping Ability of Conjugated Block Copolymers through Soft Segment Branching. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2932-2943. | 4.0 | 42 |
| 25 | Chemo-Enzymatic Synthesis of Poly(lactate- <i>co</i> -(3-hydroxybutyrate)) by a Lactate-Polymerizing Enzyme. <i>Macromolecules</i> , 2009, 42, 1985-1989. | 2.2 | 40 |
| 26 | Controlled/Living Ring-Opening Polymerization of Glycidylamine Derivatives Using <i>t</i> -Bu-P ₄ /Alcohol Initiating System Leading to Polyethers with Pendant Primary, Secondary, and Tertiary Amino Groups. <i>Macromolecules</i> , 2015, 48, 3217-3229. | 2.2 | 40 |
| 27 | Synthesis of Well-Defined Amphiphilic Star-Block and Miktoarm Star Copolyethers via <i>t</i> -Bu-P ₄ -Catalyzed Ring-Opening Polymerization of Glycidyl Ethers. <i>Macromolecules</i> , 2016, 49, 499-509. | 2.2 | 39 |
| 28 | In vitro growth and differentiated activities of human periodontal ligament fibroblasts cultured on salmon collagen gel. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 395-402. | 2.1 | 38 |
| 29 | Cellulose production by <i>Enterobacter</i> sp. CJF-002 and identification of genes for cellulose biosynthesis. <i>Cellulose</i> , 2012, 19, 1989-2001. | 2.4 | 35 |
| 30 | Facile and Efficient Modification of Polystyrene- <i>block</i> -poly(methyl methacrylate) for Achieving Sub-10 nm Feature Size. <i>Macromolecules</i> , 2018, 51, 8064-8072. | 2.2 | 35 |
| 31 | Multicyclic Polymer Synthesis through Controlled/Living Cyclopolymerization of β , γ -Dinorbornenyl-Functionalized Macromonomers. <i>Macromolecules</i> , 2018, 51, 3855-3864. | 2.2 | 33 |
| 32 | Control over Molecular Architectures of Carbohydrate-Based Block Copolymers for Stretchable Electrical Memory Devices. <i>Macromolecules</i> , 2018, 51, 4966-4975. | 2.2 | 32 |
| 33 | Cloning and Sequencing of the Beta-glucosidase Gene from <i>Acetobacter xylinum</i> ATCC 23769. <i>DNA Research</i> , 2001, 8, 263-269. | 1.5 | 31 |
| 34 | A method of cell-sheet preparation using collagenase digestion of salmon atelocollagen fibrillar gel. <i>Journal of Bioscience and Bioengineering</i> , 2004, 98, 493-496. | 1.1 | 29 |
| 35 | Self-Assembly of Maltoheptaose- <i>block</i> -polycaprolactone Copolymers: Carbohydrate-Decorated Nanoparticles with Tunable Morphology and Size in Aqueous Media. <i>Macromolecules</i> , 2016, 49, 4178-4194. | 2.2 | 29 |
| 36 | One-Step Production of Amphiphilic Nanofibrillated Cellulose Using a Cellulose-Producing Bacterium. <i>Biomacromolecules</i> , 2017, 18, 3432-3438. | 2.6 | 29 |

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|----|---|-----|-----------|
| 37 | Microphase separation of carbohydrate-based star-block copolymers with sub-10 nm periodicity. <i>Polymer Chemistry</i> , 2019, 10, 1119-1129. | 1.9 | 29 |
| 38 | Crystal structure of the flexible tandem repeat domain of bacterial cellulose synthesis subunit C. <i>Scientific Reports</i> , 2017, 7, 13018. | 1.6 | 28 |
| 39 | Unraveling the stress effects on the optical properties of stretchable rod-coil polyfluorene-poly(<i>n</i> -butyl acrylate) block copolymer thin films. <i>Polymer Chemistry</i> , 2018, 9, 3820-3831. | 1.9 | 28 |
| 40 | A versatile synthetic strategy for macromolecular cages: intramolecular consecutive cyclization of star-shaped polymers. <i>Chemical Science</i> , 2019, 10, 440-446. | 3.7 | 28 |
| 41 | Structural and rheological characterization of bacterial cellulose gels obtained from <i>Gluconacetobacter</i> genus. <i>Food Hydrocolloids</i> , 2019, 92, 233-239. | 5.6 | 28 |
| 42 | Structural analyses of new tri- and tetrasaccharides produced from disaccharides by transglycosylation of purified <i>Trichoderma viride</i> beta-glucosidase. <i>Glycoconjugate Journal</i> , 1999, 16, 415-423. | 1.4 | 27 |
| 43 | In vitro synthesis of polyhydroxyalkanoate (PHA) incorporating lactate (LA) with a block sequence by using a newly engineered thermostable PHA synthase from <i>Pseudomonas</i> sp. SG4502 with acquired LA-polymerizing activity. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 365-376. | 1.7 | 27 |
| 44 | Polyhydroxyalkanoate production by a novel bacterium <i>Massilia</i> sp. UMI-21 isolated from seaweed, and molecular cloning of its polyhydroxyalkanoate synthase gene. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 514-519. | 1.1 | 27 |
| 45 | Structural and mechanical characterization of bacterial cellulose/polyethylene glycol diacrylate composite gels. <i>Carbohydrate Polymers</i> , 2017, 173, 67-76. | 5.1 | 27 |
| 46 | Biodegradable Compatibilizers for Poly(hydroxyalkanoate)/Poly(ϵ -caprolactone) Blends through Click Reactions with End-Functionalized Microbial Poly(hydroxyalkanoate)s. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7969-7978. | 3.2 | 27 |
| 47 | Regulation of endoglucanase gene (cmca) expression in <i>Acetobacter xylinum</i> . <i>Journal of Bioscience and Bioengineering</i> , 2008, 106, 88-94. | 1.1 | 25 |
| 48 | In vitro synthesis of polyhydroxyalkanoates using thermostable acetyl-CoA synthetase, CoA transferase, and PHA synthase from thermotolerant bacteria. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 660-665. | 1.1 | 25 |
| 49 | Chain-End Functionalization with a Saccharide for 10 nm Microphase Separation: "Classical" PS- <i>b</i> -PMMA versus PS- <i>b</i> -PMMA-Saccharide. <i>Macromolecules</i> , 2018, 51, 8870-8877. | 2.2 | 25 |
| 50 | Nanofibrillated Bacterial Cellulose Surface Modified with Methyltrimethoxysilane for Fiber-Reinforced Composites. <i>ACS Applied Nano Materials</i> , 2020, 3, 8232-8241. | 2.4 | 25 |
| 51 | Unusual change in molecular weight of polyhydroxyalkanoate (PHA) during cultivation of PHA-accumulating <i>Escherichia coli</i> . <i>Polymer Degradation and Stability</i> , 2010, 95, 2250-2254. | 2.7 | 24 |
| 52 | Carbohydrates as Hard Segments for Sustainable Elastomers: Carbohydrates Direct the Self-Assembly and Mechanical Properties of Fully Bio-Based Block Copolymers. <i>Macromolecules</i> , 2020, 53, 5408-5417. | 2.2 | 24 |
| 53 | Isolation of a thermotolerant bacterium producing medium-chain-length polyhydroxyalkanoate. <i>Journal of Applied Microbiology</i> , 2011, 111, 811-817. | 1.4 | 23 |
| 54 | Intramolecular olefin metathesis as a robust tool to synthesize single-chain nanoparticles in a size-controlled manner. <i>Polymer Chemistry</i> , 2016, 7, 4782-4792. | 1.9 | 23 |

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|----|---|-----|-----------|
| 55 | Highly Ordered Cylinder Morphologies with 10 nm Scale Periodicity in Biomass-Based Block Copolymers. <i>Macromolecules</i> , 2018, 51, 428-437. | 2.2 | 23 |
| 56 | NMR characterization of sodium carboxymethyl cellulose 2: Chemical shift assignment and conformation analysis of substituent groups. <i>Carbohydrate Polymers</i> , 2016, 150, 241-249. | 5.1 | 21 |
| 57 | Polyhydroxyalkanoate synthase from <i>Bacillus</i> sp. INT005 is composed of PhaC and PhaR. <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 343-50. | 1.1 | 21 |
| 58 | Enzymatic synthesis of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) with CoA recycling using polyhydroxyalkanoate synthase and acyl-CoA synthetase. <i>Journal of Bioscience and Bioengineering</i> , 2005, 99, 508-511. | 1.1 | 20 |
| 59 | Development of a New Conversion Process Consisting of Hydrothermal Treatment and Catalytic Reaction Using $ZrO_2 \cdot FeO$ X Catalyst to Convert Fermentation Residue into Useful Chemicals. <i>Topics in Catalysis</i> , 2010, 53, 654-658. | 1.3 | 20 |
| 60 | NMR characterization of methylcellulose: Chemical shift assignment and mole fraction of monomers in the polymer chains. <i>Carbohydrate Polymers</i> , 2017, 157, 728-738. | 5.1 | 19 |
| 61 | Rapid access to discrete and monodisperse block co-oligomers from sugar and terpenoid toward ultrasmall periodic nanostructures. <i>Communications Chemistry</i> , 2020, 3, . | 2.0 | 19 |
| 62 | Chemoenzymatic Synthesis of Poly(3-hydroxybutyrate) in a Water-Organic Solvent Two-Phase System. <i>Macromolecules</i> , 2004, 37, 4544-4546. | 2.2 | 17 |
| 63 | Synthesis, Isolation, and Properties of All Head-to-Tail Cyclic Poly(3-hexylthiophene): Fully Delocalized Exciton over the Defect-Free Ring Polymer. <i>Macromolecules</i> , 2018, 51, 9284-9293. | 2.2 | 17 |
| 64 | Cloning and Sequencing of the Levansucrase Gene from <i>Acetobacter xylinum</i> NCI 1005. <i>DNA Research</i> , 2000, 7, 237-242. | 1.5 | 16 |
| 65 | Nanofibrillated Bacterial Cellulose Modified with (3-Aminopropyl)trimethoxysilane under Aqueous Conditions: Applications to Poly(methyl methacrylate) Fiber-Reinforced Nanocomposites. <i>ACS Omega</i> , 2020, 5, 29561-29569. | 1.6 | 16 |
| 66 | Cellulose-synthesizing machinery in bacteria. <i>Cellulose</i> , 2022, 29, 2755-2777. | 2.4 | 16 |
| 67 | Chemo-enzymatic synthesis of polyhydroxyalkanoate by an improved two-phase reaction system (TPRS). <i>Journal of Bioscience and Bioengineering</i> , 2009, 108, 517-523. | 1.1 | 15 |
| 68 | Nonvolatile and Shape-Memorized Bacterial Cellulose Gels Swollen by Poly(ethylene glycol). <i>Polymer Journal</i> , 2009, 41, 524-525. | 1.3 | 15 |
| 69 | A facile strategy for manipulating micellar size and morphology through intramolecular cross-linking of amphiphilic block copolymers. <i>Polymer Chemistry</i> , 2017, 8, 3647-3656. | 1.9 | 15 |
| 70 | Facile synthesis of poly(trimethylene carbonate) by alkali metal carboxylate-catalyzed ring-opening polymerization. <i>Polymer Journal</i> , 2020, 52, 103-110. | 1.3 | 15 |
| 71 | Suzuki-Miyaura catalyst-transfer polycondensation of triolborate-type fluorene monomer: toward rapid access to polyfluorene-containing block and graft copolymers from various macroinitiators. <i>Polymer Chemistry</i> , 2020, 11, 6832-6839. | 1.9 | 15 |
| 72 | Kinetic Analysis of Engineered Polyhydroxyalkanoate Synthases with Broad Substrate Specificity. <i>Polymer Journal</i> , 2009, 41, 237-240. | 1.3 | 14 |

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|----|---|-----|-----------|
| 73 | Downsizing feature of microphase-separated structures <i>via</i> intramolecular crosslinking of block copolymers. Chemical Science, 2019, 10, 3330-3339. | 3.7 | 14 |
| 74 | Programmed folding into spiro-multicyclic polymer topologies from linear and star-shaped chains. Communications Chemistry, 2020, 3, . | 2.0 | 13 |
| 75 | Therapeutic efficacy of a paclitaxel-loaded nanofibrillated bacterial cellulose (PTX/NFBC) formulation in a peritoneally disseminated gastric cancer xenograft model. International Journal of Biological Macromolecules, 2021, 174, 494-501. | 3.6 | 13 |
| 76 | Oneâ€Shot Intrablock Crossâ€Linking of Linear Diblock Copolymer to Realize Janusâ€Shaped Singleâ€Chain Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 18122-18128. | 7.2 | 13 |
| 77 | Trimethyl Glycine as an Environmentally Benign and Biocompatible Organocatalyst for Ring-Opening Polymerization of Cyclic Carbonate. ACS Sustainable Chemistry and Engineering, 2019, 7, 8868-8875. | 3.2 | 12 |
| 78 | Facile Post-Carboxymethylation of Cellulose Nanofiber Surfaces for Enhanced Water Dispersibility. ACS Omega, 2021, 6, 34107-34114. | 1.6 | 12 |
| 79 | characterization of d-LA homo-oligomer degradation by the isolated strains. Polymer Degradation and Stability, 2020, 179, 109231. | 2.7 | 11 |
| 80 | Metallopolymer-<i>block</i>-oligosaccharide for sub-10 nm microphase separation. Polymer Chemistry, 2020, 11, 2995-3002. | 1.9 | 11 |
| 81 | Isolation and Characterization of Bacillus sp. INT005 Accumulating Polyhydroxyalkanoate (PHA) from Gas Field Soil.. Journal of Bioscience and Bioengineering, 2003, 95, 77-81. | 1.1 | 11 |
| 82 | Biofabrication of a Hyaluronan/Bacterial Cellulose Composite Nanofibril by Secretion from Engineered<i>Gluconacetobacter</i>. Biomacromolecules, 2021, 22, 4709-4719. | 2.6 | 11 |
| 83 | Reinforcing Poly(methyl methacrylate) with Bacterial Cellulose Nanofibers Chemically Modified with Methacryloyl Groups. Nanomaterials, 2022, 12, 537. | 1.9 | 10 |
| 84 | Detailed Structural Analyses of Nanofibrillated Bacterial Cellulose and Its Application as Binder Material for a Display Device. Biomacromolecules, 2020, 21, 581-588. | 2.6 | 9 |
| 85 | PEGylation of silver nanoparticles by physisorption of cyclic poly(ethylene glycol) for enhanced dispersion stability, antimicrobial activity, and cytotoxicity. Nanoscale Advances, 2022, 4, 532-545. | 2.2 | 9 |
| 86 | Activities of MC3T3-E1 cells cultured on γ -irradiated salmon atelocollagen scaffold. Journal of Bioscience and Bioengineering, 2006, 101, 511-514. | 1.1 | 8 |
| 87 | Advanced functionalization of polyhydroxyalkanoate via the UV-initiated thiol-ene click reaction. Applied Microbiology and Biotechnology, 2016, 100, 4375-4383. | 1.7 | 8 |
| 88 | Highly asymmetric lamellar nanostructures from nanoparticleâ€linear hybrid block copolymers. Nanoscale, 2020, 12, 16526-16534. | 2.8 | 8 |
| 89 | Sweet Pluronic poly(propylene oxide)-b-oligosaccharide block copolymer systems: Toward sub-4Ånm thin-film nanopattern resolution. European Polymer Journal, 2020, 134, 109831. | 2.6 | 8 |
| 90 | Enhanced Self-Assembly and Mechanical Properties of Cellulose-Based Triblock Copolymers: Comparisons with Amylose-Based Triblock Copolymers. ACS Sustainable Chemistry and Engineering, 2021, 9, 9779-9788. | 3.2 | 8 |

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|-----|---|-----|-----------|
| 91 | Molecular Dynamics Simulation of Cellulose Synthase Subunit D Octamer with Cellulose Chains from Acetic Acid Bacteria: Insight into Dynamic Behaviors and Thermodynamics on Substrate Recognition. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 488-496. | 2.3 | 8 |
| 92 | Synthesis of 1/4-ABC Tricyclic Miktoarm Star Polymer via Intramolecular Click Cyclization. <i>Polymers</i> , 2018, 10, 877. | 2.0 | 6 |
| 93 | Synthesis of Poly(3-hydroxybutyrate) by Immobilized Poly(3-hydroxybutyrate) Synthase. <i>Polymer Journal</i> , 2003, 35, 407-410. | 1.3 | 5 |
| 94 | Crystallization and preliminary crystallographic analysis of the cellulose biosynthesis-related protein CMCax from <i>Acetobacter xylinum</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 252-254. | 0.7 | 5 |
| 95 | Installing a functional group into the inactive ω -chain end of PMMA and PS- <i>b</i> -PMMA by terminal-selective transesterification. <i>Polymer Chemistry</i> , 2019, 10, 3390-3398. | 1.9 | 5 |
| 96 | Doxorubicin Embedded into Nanofibrillated Bacterial Cellulose (NFBC) Produces a Promising Therapeutic Outcome for Peritoneally Metastatic Gastric Cancer in Mice Models via Intraperitoneal Direct Injection. <i>Nanomaterials</i> , 2021, 11, 1697. | 1.9 | 5 |
| 97 | Densely Arrayed Cage-Shaped Polymer Topologies Synthesized via Cyclopolymerization of Star-Shaped Macromonomers. <i>Macromolecules</i> , 2021, 54, 9079-9090. | 2.2 | 5 |
| 98 | Purification, Crystallization and Preliminary X-Ray Studies of AxcesD Required for Efficient Cellulose Biosynthesis in <i>Acetobacter xylinum</i> . <i>Protein and Peptide Letters</i> , 2008, 15, 115-117. | 0.4 | 4 |
| 99 | Cyclization of PEG and Pluronic Surfactants and the Effects of the Topology on Their Interfacial Activity. <i>Langmuir</i> , 2021, 37, 6974-6984. | 1.6 | 4 |
| 100 | One- μ S Hot Intrablock Cross-Linking of Linear Diblock Copolymer to Realize Janus-Shaped Single-Chain Nanoparticles. <i>Angewandte Chemie</i> , 2021, 133, 18270-18276. | 1.6 | 3 |
| 101 | Suzuki-Miyaura Catalyst-Transfer Polycondensation of Triolborate-Type Carbazole Monomers. <i>Polymers</i> , 2021, 13, 4168. | 2.0 | 3 |
| 102 | Physical characteristics and cell-adhesive properties of in vivo fabricated bacterial cellulose/hyaluronan nanocomposites. <i>Cellulose</i> , 2022, 29, 3239-3251. | 2.4 | 3 |
| 103 | Topology-Dependent Interaction of Cyclic Poly(ethylene glycol) Complexed with Gold Nanoparticles against Bovine Serum Albumin for a Colorimetric Change. <i>Langmuir</i> , 2021, , . | 1.6 | 2 |
| 104 | Topology and Sequence-Dependent Micellization and Phase Separation of Pluronic L35, L64, 10R5, and 17R4: Effects of Cyclization and the Chain Ends. <i>Polymers</i> , 2022, 14, 1823. | 2.0 | 2 |
| 105 | Fabrication of Ultrafine, Highly Ordered Nanostructures Using Carbohydrate-Inorganic Hybrid Block Copolymers. <i>Nanomaterials</i> , 2022, 12, 1653. | 1.9 | 2 |
| 106 | Mechanical properties of a bacterial cellulose/polyethylene glycol gel with a peripheral region crosslinked by polyethylene glycol diacrylate. <i>Polymer Journal</i> , 2016, 48, 317-321. | 1.3 | 1 |
| 107 | Enhancement of Bacterial Cellulose Productivity and Preparation of Branched Polysaccharide-Bacterial Cellulose Composite by Co-cultivation of <i>Acetobacter</i> Species.. <i>Journal of Fiber Science and Technology</i> , 1995, 51, 323-332. | 0.0 | 1 |
| 108 | Synthesis of two water-soluble polysaccharides by <i>Acetobacter</i> sp. NCI 1005. <i>Macromolecular Symposia</i> , 1997, 120, 19-28. | 0.4 | 0 |

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|-----|--|-----|-----------|
| 109 | Structural snapshot of a glycoside hydrolase family 8 endo- β -1,4-glucanase capturing the state after cleavage of the scissile bond. Acta Crystallographica Section D: Structural Biology, 2022, 78, 228-237. | 1.1 | 0 |