

# Pibo Liu

## List of Publications by Year in descending order

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33  
papers

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citations

686830

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794141

19  
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citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Synthesis of Bottlebrush Polystyrenes with Uniform, Alternating, and Gradient Distributions of Brushes Via Living Anionic Polymerization and Hydrosilylation. <i>Macromolecular Rapid Communications</i> , 2015, 36, 726-732.   | 2.0  | 37        |
| 2  | Sequence regulation in the living anionic copolymerization of styrene and 1-(4-dimethylaminophenyl)-1-phenylethylene by modification with different additives. <i>Polymer Chemistry</i> , 2017, 8, 1778-1789.   | 1.9  | 32        |
| 3  | Synthesis of sequence-determined bottlebrush polymers based on sequence determination in living anionic copolymerization of styrene and dimethyl(4-(1-phenylvinyl)phenyl)silane. <i>Polymer Chemistry</i> , 2016, 7, 3090-3099.   | 1.9  | 28        |
| 4  | Synchronous Regulation of Periodicity and Monomer Sequence during Living Anionic Copolymerization of Styrene and Dimethyl-[4-(1-phenylvinyl)phenyl]silane (DPE-SiH). <i>Macromolecules</i> , 2018, 51, 3746-3757.   | 2.2  | 28        |
| 5  | The determination of sequence distribution in the living anionic copolymerization of styrene and strong electron-donating DPE derivative-1,1-bis(4-N,N-dimethylaminophenyl)ethylene. <i>Polymer</i> , 2016, 97, 167-173.  | 1.8  | 26        |
| 6  | Investigation of the Locked/Unlocked Mechanism in Living Anionic Polymerization Realized with 1-(Triisopropoxymethylsilylphenyl)-1-phenylethylene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16538-16543.  | 57.2 | 26        |
| 7  | Sequence Features of Sequence-Controlled Polymers Synthesized by 1,1-Diphenylethylene Derivatives with Similar Reactivity during Living Anionic Polymerization. <i>Macromolecules</i> , 2018, 51, 5891-5903.  | 2.2  | 26        |
| 8  | Synthesis of a sequence-controlled in-chain alkynyl/tertiary amino dual-functionalized terpolymer via living anionic polymerization. <i>Polymer Chemistry</i> , 2018, 9, 108-120.   | 1.9  | 23        |
| 9  | Facile Synthesis of DendriMac Polymers via the Combination of Living Anionic Polymerization and Highly Efficient Coupling Reactions. <i>Macromolecular Rapid Communications</i> , 2016, 37, 168-173.  | 2.0  | 20        |
| 10 | Facile Synthesis of In-chain, Multicomponent, Functionalized Polymers via Living Anionic Copolymerization through the Ugi Four-Component Reaction (Ugi-4CR). <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700-1703.  | 2.0  | 20        |
| 11 | Investigation on Synthesis and Application Performance of Elastomers with Biogenic Myrcene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 12845-12853.   | 1.8  | 20        |
| 12 | Strategies for Tailoring LC-Functionalized Polymer: Probe Contribution of [Si-O-Si] versus [Si-C] Spacer to Thermal and Polarized Optical Performance Driven by Well-Designed Grafting Density and Precision in Flexible/Rigid Matrix. <i>Macromolecules</i> , 2016, 49, 5350-5365. | 2.2  | 17        |
| 13 | Assessing the Sequence Specificity in Thermal and Polarized Optical Order of Multiple Sequence-Determined Liquid Crystal Polymers. <i>Macromolecules</i> , 2018, 51, 6209-6217.   | 2.2  | 16        |
| 14 | The investigation on synthesis of periodic polymers with 1,1-diphenylethylene (DPE) derivatives via living anionic polymerization. <i>Polymer</i> , 2019, 169, 95-105.  | 1.8  | 15        |
| 15 | Sequence regulation in living anionic terpolymerization of styrene and two categories of 1,1-diphenylethylene (DPE) derivatives. <i>Polymer Chemistry</i> , 2020, 11, 5163-5172.  | 1.9  | 12        |
| 16 | Effect of Topology and Composition on Liquid Crystal Order and Self-Assembly Performances Driven by Asynchronously Controlled Grafting Density. <i>Macromolecules</i> , 2017, 50, 8334-8345.  | 2.2  | 10        |
| 17 | Regulation of <i>cis</i> and <i>trans</i> microstructures of isoprene units in alternating copolymers via $\beta$ -space-limited living species in anionic polymerization. <i>Polymer Chemistry</i> , 2020, 11, 2708-2714.  | 1.9  | 7         |
| 18 | The effect of amine-functionalized 1,1-diphenylethylene (DPE) derivatives on end-capping reactions and the simulation of their precision for sequence control. <i>Polymer</i> , 2018, 147, 157-163.   | 1.8  | 6         |

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|----|--|-----|-----------|
| 19 | Investigation of the features of alternating copolymerization of 1,1-bis(4-dimethylsilylphenyl)ethylene and isoprene modified with additive. <i>Polymer</i> , 2019, 184, 121907.                                   | 1.8 | 6         |
| 20 | Investigation of the features in living anionic polymerization with styrene derivatives containing annular substituents. <i>Polymer Chemistry</i> , 2019, 10, 1140-1149.   | 1.9 | 6         |
| 21 | High <i>trans</i> -Selectivity in Boron-Catalyzed Polymerization of Allylic Arsonium Ylide and its Contribution to Thermal Properties of C3-Polymers. <i>Macromolecules</i> , 2020, 53, 10718-10724.               | 2.2 | 5         |
| 22 | Manipulating Molecular Weight Distributions via “Locked”-“Unlocked”-Anionic Polymerization. <i>Macromolecules</i> , 2021, 54, 8470-8477.   | 2.2 | 5         |
| 23 | Synthesis of monodisperse isomeric oligomers based on <i>meta</i> -/ <i>para</i> - and linear/star-monomer precursors with Ugi-“hydrosilylation orthogonal cycles. <i>Polymer Chemistry</i> , 2019, 10, 2758-2763. | 1.9 | 4         |
| 24 | Investigating the effect of grafting density on the surface properties for sequence-determined fluoropolymer films. <i>Polymer Chemistry</i> , 2020, 11, 6206-6214.  | 1.9 | 4         |
| 25 | Precise construction of polymer brush on a nanosilica surface via the combination of anionic polymerization and Ugi-4CR. <i>Polymer</i> , 2020, 199, 122533.   | 1.8 | 4         |
| 26 | Boron-Catalyzed Polymerization of Phenyl-Substituted Allylic Arsonium Ylides toward Nonconjugated Emissive Materials from C3/C1 Monomeric Units. <i>ACS Macro Letters</i> , 2021, 10, 1287-1294.                   | 2.3 | 4         |
| 27 | Study on the Mechanism of a Side Coupling Reaction during the Living Anionic Copolymerization of Styrene and 1-(Ethoxydimethylsilylphenyl)-1-phenylethylene (DPE-SiOEt). <i>Polymers</i> , 2017, 9, 171.           | 2.0 | 3         |
| 28 | Unlocking features of locked-unlocked anionic polymerization. <i>Polymer Chemistry</i> , 2020, 11, 7696-7703.  | 1.9 | 3         |
| 29 | Synthesis of polymeric topological isomers based on sequential Ugi-4CR and thiol-“yne click reactions with sequence-controlled amino-functionalized polymers. <i>Polymer Chemistry</i> , 2020, 11, 1970-1984.      | 1.9 | 3         |
| 30 | A multi-functional chromone-modified polyethylene obtained by metal-free C-H activation. <i>Polymer Chemistry</i> , 2022, 13, 1437-1445.   | 1.9 | 2         |
| 31 | Novel Features of 9-Methylene-9H-thioxanthene (MTAE) in Living Anionic Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900052.   | 1.1 | 1         |
| 32 | Investigation on the alternating and gradient anionic copolymerization of 4-methylenethiochromane (META) and isoprene modified with additives. <i>Polymer Journal</i> , 2020, 52, 145-152.                         | 1.3 | 1         |
| 33 | Investigation of the Locked-Unlocked Mechanism in Living Anionic Polymerization Realized with 1-(Triisopropoxymethylsilylphenyl)-1-phenylethylene. <i>Angewandte Chemie</i> , 2018, 130, 16776-16781.              | 1.6 | 0         |