# Hongwei

## List of Publications by Year in descending order

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| 43 | 466 | 758635 12 | 794141 19 |
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| papers | citations | h-index | g-index |

| 43 | 43 | 43 | 294 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Improvement of Silica Dispersion in Solution Polymerized Styreneâ€“Butadiene Rubber via Introducing Amino Functional Groups. Industrial & Engineering Chemistry Research, 2019, 58, 1454-1461. | 1.8 | 53 |
| 2 | Sequence regulation in the living anionic copolymerization of styrene and 1-(4-dimethylaminophenyl)-1-phenylethylene by modification with different additives. Polymer Chemistry, 2017, 8, 1778-1789. | 1.9 | 32 |
| 3 | Synchronous Regulation of Periodicity and Monomer Sequence during Living Anionic Copolymerization of Styrene and Dimethyl-[4-(1-phenylvinyl)phenyl]silane (DPE-SiH). Macromolecules, 2018, 51, 3746-3757. | 2.2 | 28 |
| 4 | Investigation of the Lockedâ€Unlocked Mechanism in Living Anionic Polymerization Realized with 1â€(Triâ€isopropoxymethylsilylphenyl)â€1â€phenylethylene. Angewandte Chemie - International Edition, 2018, 57, 16538-16543. | 7.2 | 26 |
| 5 | Sequence Features of Sequence-Controlled Polymers Synthesized by 1,1-Diphenylethylene Derivatives with Similar Reactivity during Living Anionic Polymerization. Macromolecules, 2018, 51, 5891-5903. | 2.2 | 26 |
| 6 | Facile strategies for green tire tread with enhanced filler-matrix interfacial interactions and dynamic mechanical properties. Composites Science and Technology, 2021, 203, 108601. | 3.8 | 26 |
| 7 | Synthesis of a sequence-controlled in-chain alkynyl/tertiary amino dual-functionalized terpolymer via living anionic polymerization. Polymer Chemistry, 2018, 9, 108-120. | 1.9 | 23 |
| 8 | Facile Synthesis of Inâ€Chain, Multicomponent, Functionalized Polymers via Living Anionic Copolymerization through the Ugi Fourâ€Component Reaction (Ugiâ€4CR). Macromolecular Rapid Communications, 2017, 38, 1700353. | 2.0 | 20 |
| 9 | Investigation on Synthesis and Application Performance of Elastomers with Biogenic Myrcene. Industrial & Engineering Chemistry Research, 2019, 58, 12845-12853. | 1.8 | 20 |
| 10 | Well-Tailored Dynamic Liquid Crystal Networks with Anionically Polymerized Styrene-Butadiene Rubbers toward Modulating Shape Memory and Self-Healing Capacity. Macromolecules, 2021, 54, 2691-2702. | 2.2 | 17 |
| 11 | Assessing the Sequence Specificity in Thermal and Polarized Optical Order of Multiple Sequence-Determined Liquid Crystal Polymers. Macromolecules, 2018, 51, 6209-6217. | 2.2 | 16 |
| 12 | The investigation on synthesis of periodic polymers with 1,1-diphenylethylene (DPE) derivatives via living anionic polymerization. Polymer, 2019, 169, 95-105. | 1.8 | 15 |
| 13 | Sequence regulation in living anionic terpolymerization of styrene and two categories of 1,1-diphenylethylene (DPE) derivatives. Polymer Chemistry, 2020, 11, 5163-5172. | 1.9 | 12 |
| 14 | Introducing Mechanochemistry into Rubber Processing: Green-Functionalized Cross-Linking Network of Butadiene Elastomer. ACS Sustainable Chemistry and Engineering, 2021, 9, 8053-8058. | 3.2 | 11 |
| 15 | Constructing Polyimide Aerogels with Carboxyl for CO2 Adsorption. Polymers, 2022, 14, 359. | 2.0 | 11 |
| 16 | Effect of Topology and Composition on Liquid Crystal Order and Self-Assembly Performances Driven by Asynchronously Controlled Grafting Density. Macromolecules, 2017, 50, 8334-8345. | 2.2 | 10 |
| 17 | Analysis of Small-Angle Neutron Scattering Spectra from Deformed Polymers with the Spherical Harmonic Expansion Method and a Network Model. Macromolecules, 2018, 51, 9011-9018. | 2.2 | 10 |
| 18 | Thermally Controlled On/Off Switch in a Living Anionic Polymerization of 1-Cyclopropylvinylbenzene with an Anion Migrated Ring-Opening Mechanism. Macromolecules, 2020, 53, 9200-9207. | 2.2 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The effect of functionalization in elastomers: Construction of networks. Polymer, 2021, 213, 123331. | 1.8 | 9 |
| 20 | C5 and C6 Polymerizations by Anion Migrated Ring-Opening of 1-Cyclopropylvinylbenzene and 1-Cyclobutylvinylbenzene. Macromolecules, 2021, 54, 1183-1191. | 2.2 | 9 |
| 21 | Regulation of cis and trans microstructures of isoprene units in alternating copolymers via â€œspace-limitedâ€•living species in anionic polymerization. Polymer Chemistry, 2020, 11, 2708-2714. | 1.9 | 7 |
| 22 | Determination of refractive index increment of synthetic polybutadienes and microstructural control of grafting density and liquid crystalline properties. Polymer Chemistry, 2020, 11, 2559-2567. | 1.9 | 7 |
| 23 | The effect of amine-functionalized 1,1-diphenylethylene (DPE) derivatives on end-capping reactions and the simulation of their precision for sequence control. Polymer, 2018, 147, 157-163. | 1.8 | 6 |
| 24 | Investigation of the features of alternating copolymerization of 1,1-bis(4-dimethylsilylphenyl)ethylene and isoprene modified with additive. Polymer, 2019, 184, 121907. | 1.8 | 6 |
| 25 | Investigation of the features in living anionic polymerization with styrene derivatives containing annular substituents. Polymer Chemistry, 2019, 10, 1140-1149. | 1.9 | 6 |
| 26 | Influence Mechanism of Composition and Topology on the Comprehensive Properties of Styrene-Isoprene-Butadiene Elastomers. Industrial & Engineering Chemistry Research, 2020, 59, 10955-10966. | 1.8 | 6 |
| 27 | Cooperative and Independent Effect of Modular Functionalization on Mesomorphic Performances and Microphase Separation of Wellâ€Ðesigned Liquid Crystalline Diblock Copolymers. Chemistry - A European Journal, 2020, 26, 11199-11208. | 1.7 | 5 |
| 28 | Alternating Copolymerization Realized with Alternating Transformation of Anion-Migrated Ring-Opening Polymerization and Anionic Polymerization Mechanisms. Macromolecules, 2021, 54, 7269-7281. | 2.2 | 5 |
| 29 | Manipulating Molecular Weight Distributions via â€œLockedâ€“Unlockedâ€•Anionic Polymerization. Macromolecules, 2021, 54, 8470-8477. | 2.2 | 5 |
| 30 | Synthesis of monodisperse isomeric oligomers based on meta-/para- and linear/star-monomer precursors with Ugiâ€“hydrosilylation orthogonal cycles. Polymer Chemistry, 2019, 10, 2758-2763. | 1.9 | 4 |
| 31 | Investigating the effect of grafting density on the surface properties for sequence-determined fluoropolymer films. Polymer Chemistry, 2020, 11, 6206-6214. | 1.9 | 4 |
| 32 | Unlocking features of locked-unlocked anionic polymerization. Polymer Chemistry, 2020, 11, 7696-7703. | 1.9 | 3 |
| 33 | Synthesis of polymeric topological isomers based on sequential Ugi-4CR and thiolâ€“yne click reactions with sequence-controlled amino-functionalized polymers. Polymer Chemistry, 2020, 11, 1970-1984. | 1.9 | 3 |
| 34 | Selective Frustrated/Nonfrustrated Anion-Migrated Ring-Opening Polymerization of 1-Cyclopropylvinylbenzene. Macromolecules, 2022, 55, 5140-5148. | 2.2 | 3 |
| 35 | Well-controlled spiropyran functionalized polystyrenes via a combination of anionic polymerization and hydrosilylation for photoinduced solvatochromism. Polymer, 2021, 213, 123311. | 1.8 | 2 |
| 36 | Regulation of tectonic sequences in chain-folding-directed monodisperse isomeric oligomers precisely tailored by Ugi-hydrosilylation orthogonal cycles. Polymer Chemistry, 2021, 12, 3510-3516. | 1.9 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Synthesis and branching structure detection of long-subchain hyperbranched polymers via pyrene-labelled methodology. Polymer, 2022, 240, 124479. | 1.8 | 2 |
| 38 | Pyrene label used as a scale for sequence-controlled functionalized polymers. Polymer Chemistry, 2022, 13, 1274-1281. | 1.9 | 2 |
| 39 | Novel Features of 9â€Methyleneâ€9Hâ€thioxanthene (MTAE) in Living Anionic Polymerization. Macromolecular Chemistry and Physics, 2019, 220, 1900052. | 1.1 | 1 |
| 40 | Investigation on the alternating and gradient anionic copolymerization of 4-methylenethiochromane (META) and isoprene modified with additives. Polymer Journal, 2020, 52, 145-152. | 1.3 | 1 |
| 41 | Dependence of the Liquid Crystalline Properties on the Exactly Controlled Single-Site Functionalized Density of Mesogens focused on the Alternating Copolymer Model. Polymer Chemistry, 0, , . | 1.9 | 1 |
| 42 | Low crossâ€linked polyimide aerogel with imidazole for <scp>CO<sub>2</sub></scp> adsorption. Journal of Applied Polymer Science, 2022, 139, . | 1.3 | 1 |
| 43 | Investigation of the Lockedâ€Unlocked Mechanism in Living Anionic Polymerization Realized with 1â€(Triâ€isopropoxymethylsilylphenyl)â€1â€phenylethylene. Angewandte Chemie, 2018, 130, 16776-16781. | 1.6 | 0 |