

# Hongwei

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis and branching structure detection of long-subchain hyperbranched polymers via pyrene-labelled methodology. <i>Polymer</i> , 2022, 240, 124479.	1.8	2
2	Pyrene label used as a scale for sequence-controlled functionalized polymers. <i>Polymer Chemistry</i> , 2022, 13, 1274-1281.	1.9	2
3	Constructing Polyimide Aerogels with Carboxyl for CO <sub>2</sub> Adsorption. <i>Polymers</i> , 2022, 14, 359.	2.0	11
4	Low cross-linked polyimide aerogel with imidazole for CO <sub>2</sub> adsorption. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	1
5	Selective Frustrated/Nonfrustrated Anion-Migrated Ring-Opening Polymerization of 1-Cyclopropylvinylbenzene. <i>Macromolecules</i> , 2022, 55, 5140-5148.	2.2	3
6	Facile strategies for green tire tread with enhanced filler-matrix interfacial interactions and dynamic mechanical properties. <i>Composites Science and Technology</i> , 2021, 203, 108601.	3.8	26
7	Well-controlled spiropyran functionalized polystyrenes via a combination of anionic polymerization and hydrosilylation for photoinduced solvatochromism. <i>Polymer</i> , 2021, 213, 123311.	1.8	2
8	The effect of functionalization in elastomers: Construction of networks. <i>Polymer</i> , 2021, 213, 123331.	1.8	9
9	Regulation of tectonic sequences in chain-folding-directed monodisperse isomeric oligomers precisely tailored by Ugi-hydrosilylation orthogonal cycles. <i>Polymer Chemistry</i> , 2021, 12, 3510-3516.	1.9	2
10	C5 and C6 Polymerizations by Anion Migrated Ring-Opening of 1-Cyclopropylvinylbenzene and 1-Cyclobutylvinylbenzene. <i>Macromolecules</i> , 2021, 54, 1183-1191.	2.2	9
11	Well-Tailored Dynamic Liquid Crystal Networks with Anionically Polymerized Styrene-Butadiene Rubbers toward Modulating Shape Memory and Self-Healing Capacity. <i>Macromolecules</i> , 2021, 54, 2691-2702.	2.2	17
12	Introducing Mechanochemistry into Rubber Processing: Green-Functionalized Cross-Linking Network of Butadiene Elastomer. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8053-8058.	3.2	11
13	Alternating Copolymerization Realized with Alternating Transformation of Anion-Migrated Ring-Opening Polymerization and Anionic Polymerization Mechanisms. <i>Macromolecules</i> , 2021, 54, 7269-7281.	2.2	5
14	Manipulating Molecular Weight Distributions via “Locked”-“Unlocked”-Anionic Polymerization. <i>Macromolecules</i> , 2021, 54, 8470-8477.	2.2	5
15	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
16	Thermally Controlled On/Off Switch in a Living Anionic Polymerization of 1-Cyclopropylvinylbenzene with an Anion Migrated Ring-Opening Mechanism. <i>Macromolecules</i> , 2020, 53, 9200-9207.	2.2	10
17	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
18	Unlocking features of locked-unlocked anionic polymerization. <i>Polymer Chemistry</i> , 2020, 11, 7696-7703.	1.9	3

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19	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
20	Influence Mechanism of Composition and Topology on the Comprehensive Properties of Styrene-Isoprene-Butadiene Elastomers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10955-10966.	1.8	6
21	Cooperative and Independent Effect of Modular Functionalization on Mesomorphic Performances and Microphase Separation of Well-Designed Liquid Crystalline Diblock Copolymers. <i>Chemistry - A European Journal</i> , 2020, 26, 11199-11208.	1.7	5
22	Regulation of <i>cis</i> and <i>trans</i> microstructures of isoprene units in alternating copolymers via $\epsilon$ -limited-living species in anionic polymerization. <i>Polymer Chemistry</i> , 2020, 11, 2708-2714.	1.9	7
23	Determination of refractive index increment of synthetic polybutadienes and microstructural control of grafting density and liquid crystalline properties. <i>Polymer Chemistry</i> , 2020, 11, 2559-2567.	1.9	7
24	Synthesis of polymeric topological isomers based on sequential Ugi-4CR and thiol-ene click reactions with sequence-controlled amino-functionalized polymers. <i>Polymer Chemistry</i> , 2020, 11, 1970-1984.	1.9	3
25	Novel Features of 9-Methylene-9H-thioxanthene (MTAE) in Living Anionic Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900052.	1.1	1
26	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
27	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
28	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
29	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
30	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
31	Improvement of Silica Dispersion in Solution Polymerized Styrene-Butadiene Rubber via Introducing Amino Functional Groups. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 1454-1461.	1.8	53
32	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
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
34	Investigation of the Locked-Unlocked Mechanism in Living Anionic Polymerization Realized with 1-(Triisopropoxymethylsilylphenyl)-1-phenylethylene. <i>Angewandte Chemie - International Edition</i> , 2018, 57:2, 16538-16543.		26
35	Analysis of Small-Angle Neutron Scattering Spectra from Deformed Polymers with the Spherical Harmonic Expansion Method and a Network Model. <i>Macromolecules</i> , 2018, 51, 9011-9018.	2.2	10
36	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

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37	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
38	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
39	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
40	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
41	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, 1700353.	2.0	20
42	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
43	Dependence of the Liquid Crystalline Properties on the Exactly Controlled Single-Site Functionalized Density of Mesogens focused on the Alternating Copolymer Model. <i>Polymer Chemistry</i> , 0, , .	1.9	1