# Jian Zhu

List of Publications by Year
in descending order



| 197 | 4,719 | 94269 37 | 174990 52 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 198 | 198 | 198 | 3318 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Progress and Perspectives Beyond Traditional RAFT Polymerization. Advanced Science, 2020, 7, 2001656. | 5.6 | 139 |
| 2 | Guiding the Design of Organic Photocatalyst for PET-RAFT Polymerization: Halogenated Xanthene Dyes. Macromolecules, 2019, 52, 236-248. | 2.2 | 105 |
| 3 | Aromatic diselenide crosslinkers to enhance the reprocessability and self-healing of polyurethane thermosets. Polymer Chemistry, 2017, 8, 3641-3646. | 1.9 | 102 |
| 4 | Cyclic Polymers with Pendent Carbazole Units: Enhanced Fluorescence and Redox Behavior. Angewandte Chemie - International Edition, 2011, 50, 6615-6618. | 7.2 | 88 |
| 5 | Study on controlled free-radical polymerization in the presence of 2-cyanoprop-2-yl 1-dithionaphthalate (CPDN). Polymer, 2002, 43, 7037-7042. | 1.8 | 85 |
| 6 | Design and synthesis of star polymers with hetero-arms by the combination of controlled radical polymerizations and click chemistry. Polymer, 2007, 48, 6992-6999. | 1.8 | 77 |
| 7 | Bifunctional Nanoparticles with Fluorescence and Magnetism via Surface-Initiated AGET ATRP Mediated by an Iron Catalyst. Langmuir, 2011, 27, 12684-12692. | 1.6 | 77 |
| 8 | Photocatalystâ€Free and Blue Lightâ€Induced RAFT Polymerization of Vinyl Acetate at Ambient Temperature. Macromolecular Rapid Communications, 2015, 36, 2181-2185. | 2.0 | 76 |
| 9 | Single-Electron Transfer Living Radical Polymerization (SETâ^'LRP) of Methyl Methacrylate (MMA) with a Typical RAFT Agent as an Initiator. Macromolecules, 2009, 42, 7360-7366. | 2.2 | 69 |
| 10 | Reversible addition-fragmentation chain transfer polymerization of glycidyl methacrylate with 2-cyanoprop-2-yl 1-dithionaphthalate as a chain-transfer agent. Journal of Polymer Science Part A, 2004, 42, 2558-2565. | 2.5 | 66 |
| 11 | Organoselenium chemistry-based polymer synthesis. Organic Chemistry Frontiers, 2020, 7, 2815-2841. | 2.3 | 64 |
| 12 | Iron(III)â€mediated AGET ATRP of styrene using tris(3,6â€dioxaheptyl)amine as a ligand. Journal of Polymer Science Part A, 2009, 47, 2002-2008. | 2.5 | 61 |
| 13 | Thermal-initiated reversible additionâ€“fragmentation chain transfer polymerization of methyl methacrylate in the presence of oxygen. Journal of Polymer Science Part A, 2006, 44, 3343-3354. | 2.5 | 60 |
| 14 | Synthesis and Photoresponsive Behaviors of Well-Defined Azobenzene-Containing Polymers via RAFT Polymerization. Macromolecules, 2007, 40, 4809-4817. | 2.2 | 59 |
| 15 | Chlorophyll a crude extract: efficient photo-degradable photocatalyst for PET-RAFT polymerization. Chemical Communications, 2017, 53, 12560-12563. | 2.2 | 58 |
| 16 | Reversible additionâ€“fragmentation chain transfer polymerization of styrene under microwave irradiation. Journal of Polymer Science Part A, 2006, 44, 6810-6816. | 2.5 | 55 |
| 17 | Developing a Synthetic Approach with Thermoregulated Phase-Transfer Catalysis: Facile Access to Metal-Mediated Living Radical Polymerization of Methyl Methacrylate in Aqueous/Organic Biphasic System. Macromolecules, 2013, 46, 2060-2066. | 2.2 | 55 |
| 18 | Atom transfer radical polymerization of styrene under pulsed microwave irradiation. Radiation Physics and Chemistry, 2005, 72, 695-701. | 1.4 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Soluble Main-Chain Azobenzene Polymers via Thermal 1,3-Dipolar Cycloaddition: Preparation and Photoresponsive Behavior. Macromolecules, 2010, 43, 2704-2712. | 2.2 | 53 |
| 20 | Single electron transferâ€living radical polymerization of methyl methacrylate in fluoroalcohol: Dual control over molecular weight and tacticity. Journal of Polymer Science Part A, 2009, 47, 6316-6327. | 2.5 | 51 |
| 21 | Microwave-assisted nitroxide-mediated radical polymerization of styrene. Radiation Physics and Chemistry, 2006, 75, 253-258. | 1.4 | 49 |
| 22 | Controlled synthesis of pHâ€responsive amphiphilic A<sub>2</sub>B<sub>2</sub> miktoarm star block copolymer by combination of SETâ€LRP and RAFT polymerization. Journal of Polymer Science Part A, 2009, 47, 6908-6918. | 2.5 | 48 |
| 23 | Platform of near-infrared light-induced reversible deactivation radical polymerization: upconversion nanoparticles as internal light sources. Polymer Chemistry, 2016, 7, 7370-7374. | 1.9 | 48 |
| 24 | Synthesis of poly(vinyl acetate) with fluorescence via a combination of RAFT/MADIX and â€œclickâ€• chemistry. European Polymer Journal, 2008, 44, 1789-1795. | 2.6 | 47 |
| 25 | Reverse atom transfer radical polymerization of methyl methacrylate with FeCl3/pyromellitic acid. European Polymer Journal, 2003, 39, 2161-2165. | 2.6 | 46 |
| 26 | Visible Lightâ€Induced Living Radical Polymerization of Butyl Acrylate: Photocatalystâ€Free, Ultrafast, and Oxygen Tolerance. Macromolecular Rapid Communications, 2017, 38, 1600482. | 2.0 | 46 |
| 27 | Synthesis of azobenzeneâ€containing polymers via RAFT polymerization and investigation on intense fluorescence from aggregates of azobenzeneâ€containing amphiphilic diblock copolymers. Journal of Polymer Science Part A, 2008, 46, 5652-5662. | 2.5 | 43 |
| 28 | Photo-induced cobalt-mediated radical polymerization of vinyl acetate. Polymer Chemistry, 2014, 5, 551-557. | 1.9 | 43 |
| 29 | Homogeneous reverse atom transfer radical polymerization of glycidyl methacrylate and ring-opening reaction of the pendant oxirane ring. Polymer, 2005, 46, 12716-12721. | 1.8 | 41 |
| 30 | Plasma-Initiated Controlled/Living Radical Polymerization of Methyl Methacrylate in the Presence of 2-Cyanoprop-2-yl 1-dithionaphthalate(CPDN). Macromolecular Rapid Communications, 2004, 25, 818-824. | 2.0 | 40 |
| 31 | SETâ€RAFT Polymerization of Progargyl Methacrylate and a Oneâ€Pot/Oneâ€Step Preparation of Sideâ€chain Functionalized Polymers via Combination of SETâ€RAFT and Click Chemistry. Macromolecular Rapid Communications, 2010, 31, 1354-1358. | 2.0 | 40 |
| 32 | Selenide-containing high refractive index polymer material with adjustable refractive index and Abbe's number. Reactive and Functional Polymers, 2017, 111, 1-6. | 2.0 | 40 |
| 33 | Synthesis of miktoarm star amphiphilic block copolymers via combination of NMRP and ATRP and investigation on selfâ€assembly behaviors. Journal of Polymer Science Part A, 2009, 47, 6304-6315. | 2.5 | 39 |
| 34 | Synthesis and characterization of azobenzene-functionalized poly(styrene)-b-poly(vinyl acetate) via the combination of RAFT and â€œclickâ€•chemistry. Polymer, 2010, 51, 3083-3090. | 1.8 | 39 |
| 35 | ATRP and their self-assembly in selective solvents. Polymer, 2005, 46, 7563-7571. | 1.8 | 38 |
| 36 | Influence of the chemical structure of dithiocarbamates with differentN-groups on the reversible addition-fragmentation chain transfer polymerization of styrene. Journal of Polymer Science Part A, 2005, 43, 4849-4856. | 2.5 | 38 |

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| 37 | A degradable copolymer of 2-methylene-1,3-dioxepane and vinyl acetate by photo-induced cobalt-mediated radical polymerization. Polymer Chemistry, 2016, 7, 5258-5264. | 1.9 | 38 |
| 38 | Synthesis of amphiphilic and thermosensitive graft copolymers with fluorescence P(Stâ€coâ€(pâ€CMS))â€gâ€PNIPAAM by combination of NMP and RAFT methods. Journal of Polymer Science Part A, 2007, 45, 5318-5328. | 2.5 | 37 |
| 39 | Catalytic amounts of sodium hydroxide as additives for iron-mediated AGET ATRP of MMA. Polymer Chemistry, 2011, 2, 2385. | 1.9 | 37 |
| 40 | Microwave-assisted nitroxide-mediated miniemulsion polymerization of styrene. Radiation Physics and Chemistry, 2007, 76, 23-26. | 1.4 | 36 |
| 41 | Controlled synthesis and fluorescent properties of poly(9-(4-vinylbenzyl)-9H-carbazole) via nitroxide-mediated living free-radical polymerization. European Polymer Journal, 2008, 44, 3300-3305. | 2.6 | 36 |
| 42 | The First Example of Mainâ€Chain Cyclic Azobenzene Polymers. Macromolecular Rapid Communications, 2010, 31, 1791-1797. | 2.0 | 36 |
| 43 | Synthesis and photoresponsive behavior of the high-Tg azobenzene polymers via RAFT polymerization. Reactive and Functional Polymers, 2010, 70, 456-462. | 2.0 | 35 |
| 44 | Zero-valent Iron/RAFT Agent-Mediated Polymerization of Methyl Methacrylate at Ambient Temperature. Macromolecules, 2010, 43, 7979-7984. | 2.2 | 35 |
| 45 | Synthesis and Aggregation Behaviors of Nonlinear Multiresponsive, Multihydrophilic Block Copolymers. Macromolecules, 2011, 44, 3366-3373. | 2.2 | 34 |
| 46 | Organoselenium compounds: development of a universal â€œlivingâ€•free radical polymerization mediator. Polymer Chemistry, 2013, 4, 3453. | 1.9 | 34 |
| 47 | Emulsion polymerization of styrene under pulsed microwave irradiation. Journal of Applied Polymer Science, 2003, 89, 28-35. | 1.3 | 33 |
| 48 | Iron-mediated atom transfer radical polymerization of styrene with tris(3,6-dioxaheptyl) amine as a ligand. Journal of Polymer Science Part A, 2006, 44, 483-489. | 2.5 | 33 |
| 49 | Reversible deactivation radical polymerization in the presence of zero-valent metals: from components to precise polymerization. Polymer Chemistry, 2014, 5, 3533-3546. | 1.9 | 33 |
| 50 | Preparation, characterization, and chiral recognition of optically active polymers containing pendent chiral units via reversible additionâ€fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2007, 45, 3788-3797. | 2.5 | 32 |
| 51 | â€œLivingâ€controlled free radical polymerization of MMA in the presence of cobalt(II) 2â€ethylhexanoate: A switch from RAFT to ATRP mechanism. Journal of Polymer Science Part A, 2007, 45, 5722-5730. | 2.5 | 32 |
| 52 | Synthesis and self-assembly behaviors of three-armed amphiphilic block copolymers via RAFT polymerization. Polymer, 2008, 49, 4569-4575. | 1.8 | 32 |
| 53 | New seleniumâ€based iniferter agent for living free radical polymerization of styrene under UV irradiation. Journal of Polymer Science Part A, 2012, 50, 2211-2218. | 2.5 | 32 |
| 54 | Synthesis of polystyrene end-capped with pyrene via reversible additionâ€“fragmentation chain transfer polymerization. Polymer, 2007, 48, 1255-1260. | 1.8 | 31 |

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| 55 | A combination of RAFT and â€œClickâ€•chemistry techniques to synthesize polymeric europium complexes with selective fluorescence emission. Reactive and Functional Polymers, 2009, 69, 240-245. | 2.0 | 31 |
| 56 | Facile synthesis of well-defined redox responsive diselenide-labeled polymers via organoselenium-mediated CRP and aminolysis. Polymer Chemistry, 2015, 6, 1367-1372. | 1.9 | 30 |
| 57 | Synthesis of novel threeâ€arm star azo sideâ€chain liquid crystalline polymer via ATRP and photoinduced surface relief gratings. Journal of Polymer Science Part A, 2008, 46, 777-789. | 2.5 | 29 |
| 58 | Preparation and characterization of novel main-chain azobenzene polymers via step-growth polymerization based on click chemistry. Polymer, 2009, 50, 4512-4519. | 1.8 | 29 |
| 59 | Photoinduced Free Radical Promoted Cationic RAFT Polymerization toward â€œLivingâ€•3D Printing. ACS Macro Letters, 2021, 10, 1315-1320. | 2.3 | 29 |
| 60 | Synthesis and characters of hyperbranched poly(vinyl acetate) by RAFT polymeraztion. European Polymer Journal, 2011, 47, 1912-1922. | 2.6 | 28 |
| 61 | Atom transfer radical polymerization of styrene using the novel initiator ethyl 2-N,N-(diethylamino)dithiocarbamoyl-butyrate. Journal of Polymer Science Part A, 2006, 44, 32-41. | 2.5 | 27 |
| 62 | Cyclic Sideâ€Chain Phenylazo Naphthalene Polymers: Enhanced Fluorescence Emission and Surface Relief Grating Formation. Macromolecular Rapid Communications, 2012, 33, 1845-1851. | 2.0 | 27 |
| 63 | New ligands for the Fe(III)-mediated reverse atom transfer radical polymerization of methyl methacrylate. Journal of Polymer Science Part A, 2006, 44, 2912-2921. | 2.5 | 26 |
| 64 | Fluorescence behavior of an azobenzene-containing amphiphilic diblock copolymer. Polymer Chemistry, 2010, 1, 1453. | 1.9 | 26 |
| 65 | Branched polystyrene with high reflex index synthesized from selenium-mediated polymerization. Journal of Polymer Science Part A, 2014, 52, 504-510. | 2.5 | 26 |
| 66 | A Straightforward Protocol for the Highly Efficient Preparation of Main-Chain Azo Polymers Directly from Bisnitroaromatic Compounds by the Photocatalytic Process. Macromolecules, 2015, 48, 1289-1295. | 2.2 | 26 |
| 67 | Near-Infrared, Light-Induced Cationic and Radical RAFT Polymerization Catalyzed by Iron Complex. ACS Macro Letters, 2020, 9, 1799-1805. | 2.3 | 26 |
| 68 | Thermal polymerization of methyl (meth)acrylate via reversible addition-fragmentation chain transfer (RAFT) process. Polymer, 2006, 47, 6970-6977. | 1.8 | 25 |
| 69 | RAFT Polymerization of Styrene Mediated by Ferrocenyl-Containing RAFT Agent and Properties of the Polymer Derived from Ferrocene. Macromolecules, 2009, 42, 3898-3905. | 2.2 | 25 |
| 70 | Synthesis of high refractive index polymer with pendent selenium-containing maleimide and use as a redox sensor. Polymer Chemistry, 2019, 10, 4279-4286. | 1.9 | 25 |
| 71 | Xanthate-Based Photoiniferter RAFT Polymerization toward Oxygen-Tolerant and Rapid Living 3D Printing. Macromolecules, 2022, 55, 1620-1628. | 2.2 | 25 |
| 72 | Synthesis of high molecular weight and narrow molecular weight distribution poly(acrylonitrile) via RAFT polymerization. Journal of Polymer Science Part A, 2013, 51, 1197-1204. | 2.5 | 24 |

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| 73 | Visible Light-Induced Metal Free Surface Initiated Atom Transfer Radical Polymerization of Methyl Methacrylate on SBA-15. Polymers, 2017, 9, 58. | 2.0 | 23 |
| 74 | Visible light induced controlled cationic polymerization by in situ generated catalyst from manganese carbonyl. Chemical Communications, 2019, 55, 7045-7048. | 2.2 | 23 |
| 75 | Preparation and Characterization of Anthracene End-Capped Polystyrene via Reversible Addition-Fragmentation Chain Transfer Polymerization. Polymer Bulletin, 2006, 57, 491-498. | 1.7 | 22 |
| 76 | Synthesis of fluorescent poly(methyl methacrylate) via AGET ATRP. Polymer Bulletin, 2009, 63, 355-364. | 1.7 | 22 |
| 77 | Photo-induced reversible addition-fragmentation chain transfer (RAFT) polymerization of acrylonitrile at ambient temperature: A simple system to obtain high-molecular-weight polyacrylonitrile. Reactive and Functional Polymers, 2017, 113, 1-5. | 2.0 | 22 |
| 78 | Temperature programed photo-induced RAFT polymerization of stereo-block copolymers of poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 T | 1.9 | 22 |
| 79 | Selenide-Containing Polyimides with an Ultrahigh Intrinsic Refractive Index. Polymers, 2018, 10, 417. | 2.0 | 22 |
| 80 | Reversible addition-fragmentation chain transfer polymerization of 2-naphthyl acrylate with 2-cyanoprop-2-yl 1-dithionaphthalate as a chain-transfer agent. Journal of Polymer Science Part A, 2005, 43, 2632-2642. | 2.5 | 21 |
| 81 | Azobenzene-based initiator for atom transfer radical polymerization of methyl methacrylate. Journal of Polymer Science Part A, 2005, 43, 2358-2367. | 2.5 | 20 |
| 82 | Reversible additionâ€“fragmentation chain transfer polymerization of 7-(4-(acryloyloxy)butoxy)coumarin. Polymer, 2007, 48, 5859-5866. | 1.8 | 20 |
| 83 | Reversible additionâ€“fragmentation chain transfer (RAFT) polymerization of styrene in the presence of oxygen. Polymer, 2007, 48, 4393-4400. | 1.8 | 20 |
| 84 | Ligandâ€free Cu(0)â€mediated controlled radical polymerization of methyl methacrylate at ambient temperature. Journal of Polymer Science Part A, 2012, 50, 711-719. | 2.5 | 20 |
| 85 | Dynamic diselenide-containing polyesters from alcoholysis/oxidation of Î³-butyroselenolactone. Polymer Chemistry, 2018, 9, 4044-4051. | 1.9 | 20 |
| 86 | Selenide-containing soluble polyimides: High refractive index and redox responsiveness. European Polymer Journal, 2020, 122, 109358. | 2.6 | 20 |
| 87 | On-Demand Dissoluble Diselenide-Containing Hydrogel. Biomacromolecules, 2020, 21, 3308-3317. | 2.6 | 20 |
| 88 | Novel AIEgen-Functionalized Diselenide-Crosslinked Polymer Gels as Fluorescent Probes and Drug Release Carriers. Polymers, 2020, 12, 551. | 2.0 | 20 |
| 89 | Manganese carbonyl induced cationic reversible additionâ€“fragmentation chain transfer (C-RAFT) polymerization under visible light. Polymer Chemistry, 2020, 11, 2724-2731. | 1.9 | 20 |
| 90 | Light-driven fluorescence enhancement of phenylazo indazole-terminated polystyrene. European Polymer Journal, 2009, 45, 2131-2137. | 2.6 | 19 |

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| 91 | A Highâ€Efficiency Strategy for Synthesizing Cyclic Polymers of Methacryates in One Pot. Macromolecular Rapid Communications, 2013, 34, 1014-1019. | 2.0 | 19 |
| 92 | Diselenide-Labeled Cyclic Polystyrene with Multiple Responses: Facile Synthesis, Tunable Size, and Topology. Macromolecular Rapid Communications, 2016, 37, 865-871. | 2.0 | 19 |
| 93 | Photoinduced controlled radical polymerization of methyl acrylate and vinyl acetate by xanthate. Polymer Chemistry, 2018, 9, 2897-2904. | 1.9 | 19 |
| 94 | Recyclable Self-Healing Polyurethane Cross-Linked by Alkyl Diselenide with Enhanced Mechanical Properties. Polymers, 2019, 11, 773. | 2.0 | 19 |
| 95 | Hyperbranched Polycaprolactone through RAFT Polymerization of 2-Methylene-1,3-dioxepane. Polymers, 2019, 11, 318. | 2.0 | 19 |
| 96 | Manganese-Catalyzed Batch and Continuous Flow Cationic RAFT Polymerization Induced by Visible Light. ACS Macro Letters, 2021, 10, 570-575. | 2.3 | 19 |
| 97 | Synthesis of well-defined naphthalene and photo-labile group-labeled polystyrene via ATRP. Journal of Polymer Science Part A, 2006, 44, 510-518. | 2.5 | 18 |
| 98 | Controlled/living radical polymerization of methyl methacrylate using Î³-radiation as an initiation source. Radiation Physics and Chemistry, 2006, 75, 485-492. | 1.4 | 18 |
| 99 | Synthesis and characterization of AB2-type star polymers via combination of ATRP and click chemistry. Polymer Bulletin, 2009, 63, 467-483. | 1.7 | 18 |
| 100 | Facile synthesis of advanced gradient polymers with sequence control using furan-protected maleimide as a comonomer. Polymer Chemistry, 2018, 9, 1571-1576. | 1.9 | 18 |
| 101 | Reversible Additionâ€“Fragmentation Chainâ€Transfer Polymerization of Octadecyl Acrylate. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 963-975. | 1.2 | 17 |
| 102 | Study on reversible addition-fragmentation chain transfer (RAFT) polymerization of MMA in the presence of 2-cyanoprop-2-yl 1-dithiophenanthrenate (CPDPA). European Polymer Journal, 2004, 40, 743-749. | 2.6 | 17 |
| 103 | Atom transfer radical polymerizations of methyl methacrylate and styrene with an iniferter reagent as the initiator. Journal of Applied Polymer Science, 2007, 106, 230-237. | 1.3 | 17 |
| 104 | A novel azoâ€containing dithiocarbamate used for living radical polymerization of methyl acrylate and styrene. Journal of Polymer Science Part A, 2008, 46, 5626-5637. | 2.5 | 17 |
| 105 | Favorable hydrogen bonding in room-temperature Cu(0)-mediated controlled radical polymerization of 4-vinylpyridine. Polymer Chemistry, 2012, 3, 2731. | 1.9 | 17 |
| 106 | Seleniumâ€substituted carbonates as mediators for controlled radical polymerization. Journal of Polymer Science Part A, 2013, 51, 2606-2613. | 2.5 | 17 |
| 107 | Diselenide mediated controlled radical polymerization under visible light irradiation: mechanism investigation and Î±,Ï‰-ditelechelic polymers. Polymer Chemistry, 2015, 6, 6416-6423. | 1.9 | 17 |
| 108 | Synthesis and characterizations of 1,2,3-triazole containing polymers via reversible addition-fragmentation chain transfer (RAFT) polymerization. European Polymer Journal, 2008, 44, 1743-1751. | 2.6 | 16 |

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| 109 | Iron(III)â€Mediated AGET ATRP of Methyl Methacrylate Using Vitamin C Sodium Salt as a Reducing Agent. Macromolecular Chemistry and Physics, 2011, 212, 1481-1488. | 1.1 | 16 |
| 110 | A Straightforward Method for Preparing Well-Defined Responsive Diselenide-Containing Polymers Based on ATRP. Macromolecular Rapid Communications, 2015, 36, 903-908. | 2.0 | 16 |
| 111 | A degradable cross-linked polymer containing dynamic covalent selenide bond. Polymer Chemistry, 2017, 8, 3874-3880. | 1.9 | 16 |
| 112 | Controlling Polymer Molecular Weight Distribution through a Latent Mediator Strategy with Temporal Programming. Angewandte Chemie - International Edition, 2021, 60, 19705-19709. | 7.2 | 16 |
| 113 | Preparation and characterization of optically active polymers containing pendent and terminal chiral units via atom transfer radical polymerization. Journal of Polymer Science Part A, 2006, 44, 1502-1513. | 2.5 | 15 |
| 114 | Reversible additionâ€“fragmentation chain transfer polymerization of styrene with benzoimidazole dithiocarbamate as a reversible additionâ€“fragmentation chain transfer agent. Journal of Applied Polymer Science, 2006, 100, 560-564. | 1.3 | 15 |
| 115 | Synthesis of dithiocarbamate bearing azobenzene group and use for RAFT polymerization of vinyl monomers. Journal of Polymer Science Part A, 2007, 45, 2886-2896. | 2.5 | 15 |
| 116 | Synthesis and characterization of fluorescence endâ€labeled polystyrene via reversible additionâ€fragmentation chain transfer (RAFT) polymerization. Journal of Polymer Science Part A, 2008, 46, 6198-6205. | 2.5 | 15 |
| 117 | Synthesizing and characterization of comb-shaped carbazole containing copolymer via combination of ring opening polymerization and nitroxide-mediated polymerization. Polymer, 2010, 51, 1947-1953. | 1.8 | 15 |
| 118 | Combination of the Photoinduced Atom Transfer Radical Addition Reaction and Living Cationic Polymerization: A Latent Initiator Strategy toward Tailoring Polymer Molecular Weight Distributions. Macromolecules, 2021, 54, 6502-6510. | 2.2 | 15 |
| 119 | Reverse Atom Transfer Radical Polymerization of Methyl Methacrylate using a New Catalyst, Copper(II)N,Nâ€²-Butyldithiocarbamate. Macromolecular Chemistry and Physics, 2004, 205, 806-813. | 1.1 | 14 |
| 120 | Influence of the chemical structure of dithiocarbamates with different R groups on the reversible addition-fragmentation chain transfer polymerization. Journal of Applied Polymer Science, 2007, 103, 982-988. | 1.3 | 14 |
| 121 | Synthesis of novel sideâ€chain triphenylamine polymers with azobenzene moieties via RAFT polymerization and investigation on their photoelectric properties. Journal of Polymer Science Part A, 2012, 50, 3788-3796. | 2.5 | 14 |
| 122 | Polymerâ€Grafted Modification of Activated Carbon by Surfaceâ€Initiated AGET ATRP. Macromolecular Chemistry and Physics, 2012, 213, 868-877. | 1.1 | 14 |
| 123 | Controlled Bimodal Molecularâ€Weightâ€Distribution Polymers: Facile Synthesis by RAFT Polymerization. Chemistry - A European Journal, 2012, 18, 6015-6021. | 1.7 | 14 |
| 124 | A cyclic seleniumâ€based reversible additionâ€fragmentation chain transfer agent mediated polymerization of vinyl acetate. Journal of Polymer Science Part A, 2013, 51, 1656-1663. | 2.5 | 14 |
| 125 | Selenoâ€containing poly(vinyl acetate) prepared by diselenocarbonatesâ€mediated controlled free radical polymerizations. Journal of Polymer Science Part A, 2013, 51, 3159-3165. | 2.5 | 14 |
| 126 | Photoresponsive dynamic covalent bond based on additionâ€“fragmentation chain transfer of allyl selenides. Polymer Chemistry, 2021, 12, 1622-1626. | 1.9 | 14 |

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| 127 | Reversible Addition Fragmentation Chain Transfer (RAFT) Emulsion Polymerization of Methyl Methacrylate via a Plasma-initiated Process. Polymer Bulletin, 2006, 56, 539-548. | 1.7 | 13 |
| 128 | Preparation and characterization of poly(styrene)/metal composites via reversible addition-fragmentation chain transfer (RAFT) polymerization. Reactive and Functional Polymers, 2009, 69, 55-61. | 2.0 | 13 |
| 129 | Highly Efficient Chain End Derivatization of Selenol-Ended Polystyrenes by Nucleophilic Substitution Reactions. Macromolecular Chemistry and Physics, 2017, 218, 1600485. | 1.1 | 13 |
| 130 | Epoxy resin with exchangeable diselenide crosslinks to obtain reprocessable, repairable and recyclable fiber-reinforced thermoset composites. Reactive and Functional Polymers, 2022, 172, 105189. | 2.0 | 13 |
| 131 | Preparation and characterization of optically active polystyrene via a chiral nitroxide-mediated polymerization. Journal of Polymer Science Part A, 2006, 44, 1522-1528. | 2.5 | 12 |
| 132 | Synthesis and characterization of novel copolymer containing pyridylazo-2-naphthoxyl group via reversible additionâ€“fragmentation chain transfer (RAFT) polymerization. Polymer, 2008, 49, 3048-3053. | 1.8 | 12 |
| 133 | Synthesis of tetrazoleâ€containing azo polymers with properties of photoâ€induced birefringence and surfaceâ€reliefâ€gratings via RAFT polymerization. Journal of Polymer Science Part A, 2008, 46, 682-691. | 2.5 | 12 |
| 134 | Living cationic polymerization of vinyl ethers initiated by electrophilic selenium reagents under ambient conditions. Polymer Chemistry, 2021, 12, 983-990. | 1.9 | 12 |
| 135 | Catalyst-Free, Visible-Light-Induced Step-Growth Polymerization by a Photo-RAFT Single-Unit Monomer Insertion Reaction. ACS Macro Letters, 2022, 11, 230-235. | 2.3 | 12 |
| 136 | â€œLivingâ€/Controlled Free Radical Polymerization Usingbis(Thionaphthoyl) Disulfide as a Source of RAFT Agent. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 827-838. | 1.2 | 11 |
| 137 | â€œLivingâ€/controlled polymerization of methyl acrylate mediated by dithiocarbamates under Î³-ray irradiation. Journal of Applied Polymer Science, 2007, 103, 1769-1775. | 1.3 | 11 |
| 138 | Reversible additionâ€“fragmentation chain transfer polymerizations of styrene with two novel trithiocarbonates as RAFT agents. Polymer, 2008, 49, 5431-5438. | 1.8 | 11 |
| 139 | 60Co Î³-irradiation-initiated RAFT polymerization of VAc at room temperature. Reactive and Functional Polymers, 2012, 72, 153-159. | 2.0 | 11 |
| 140 | Dynamic furan/maleimide bond-incorporated cyclic polymer for topology transformation. Reactive and Functional Polymers, 2017, 116, 41-48. | 2.0 | 11 |
| 141 | Selenium-doped phenolic resin spheres: Ultra-high adsorption capacity of noble metals. Reactive and Functional Polymers, 2019, 142, 223-230. | 2.0 | 11 |
| 142 | One-pot cascade polymerization based on the addition reactions of electrophilic selenium reagents to alkenes. Polymer Chemistry, 2019, 10, 574-581. | 1.9 | 11 |
| 143 | The functionalization of poly(Îµ-caprolactone) as a versatile platform using Îµ-(Î±-phenylseleno) caprolactone as a monomer. Polymer Chemistry, 2019, 10, 3851-3858. | 1.9 | 11 |
| 144 | Synthesis of 1,3-benzodioxole end-functionalized polymers via reversible additionâ€“fragmentation chain transfer polymerization. Journal of Applied Polymer Science, 2006, 99, 3535-3539. | 1.3 | 10 |

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| 145 | Synthesis and photoinduced surfaceâ€relief grating of wellâ€defined azoâ€containing polymethacrylates via atom transfer radical polymerization. Journal of Applied Polymer Science, 2007, 106, 1234-1242. | 1.3 | 10 |
| 146 | Investigation into the Direct Photolysis Process of Photo-Induced RAFT Polymerization by ESR Spin Trapping. Polymers, 2019, 11, 1722. | 2.0 | 10 |
| 147 | Reversible additionâ€“fragmentation chain transfer polymerization of styrene initiated by tetraethylthiuram disulfide. Polymer, 2005, 46, 3515-3521. | 1.8 | 9 |
| 148 | A Novel Synthetic Method for Well-Defined Polymers Containing Benzotriazole and Diazobenzene Chromophores. Macromolecular Chemistry and Physics, 2007, 208, 1101-1109. | 1.1 | 9 |
| 149 | From seleno-mediated radical polymerization to seleno-containing branched polymers and dynamic hydrogel. RSC Advances, 2017, 7, 9773-9779. | 1.7 | 9 |
| 150 | Toward alternating copolymerization of maleimide and vinyl acetate driven by hydrogen bonding. Polymer Chemistry, 2017, 8, 6909-6916. | 1.9 | 9 |
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