# Graeme Moad

List of Publications by Year
in descending order

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|---|---|---|---|
| 242 papers | 32,061 citations | 9775 73 h-index | 4112 175 g-index |
| 287 all docs | 287 docs citations | 287 times ranked | 11808 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Living and controlled reversibleâ€•activation polymerization (<scp>RAP</scp>) on the way to reversibleâ€•deactivation radical polymerization (<scp>RDRP</scp>). Polymer International, 2023, 72, 861-868. | 1.6 | 3 |
| 2 | Reconsidering terms for mechanisms of polymer growth: the â€œstep-growthâ€•and â€œchain-growthâ€• dilemma. Polymer Chemistry, 2022, 13, 2262-2270. | 1.9 | 11 |
| 3 | Terminology and the naming of conjugates based on polymers or other substrates (IUPAC) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 | 0.9 | 0 |
| 4 | Expanding the Scope of RAFT Multiblock Copolymer Synthesis Using the Nanoreactor Concept: The Critical Importance of Initiator Hydrophobicity. Macromolecules, 2022, 55, 1981-1991. | 2.2 | 14 |
| 5 | Polymerization-induced self-assembly via RAFT in emulsion: effect of Z-group on the nucleation step. Polymer Chemistry, 2021, 12, 122-133. | 1.9 | 29 |
| 6 | Initiation of RAFT Polymerization: Electrochemically Initiated RAFT Polymerization in Emulsion (Emulsion eRAFT), and Direct PhotoRAFT Polymerization of Liquid Crystalline Monomers. Australian Journal of Chemistry, 2021, 74, 56. | 0.5 | 13 |
| 7 | Divergent Synthesis of Graft and Branched Copolymers through Spatially Controlled Photopolymerization in Flow Reactors. Macromolecules, 2021, 54, 3430-3446. | 2.2 | 32 |
| 8 | Multiblock Copolymer Synthesis via Reversible Additionâ€“Fragmentation Chain Transfer Emulsion Polymerization: Effects of Chain Mobility within Particles on Control over Molecular Weight Distribution. Macromolecules, 2021, 54, 3647-3658. | 2.2 | 15 |
| 9 | Enhanced properties of well-defined polymer networks prepared by a sequential thiol-Michael - radical thiol-ene (STMRT) strategy. European Polymer Journal, 2021, 151, 110440. | 2.6 | 5 |
| 10 | â€œAll-PVCâ€•Flexible Poly(vinyl Chloride): Nonmigratory Star-Poly(vinyl Chloride) as Plasticizers for PVC by RAFT Polymerization. Macromolecules, 2021, 54, 5022-5032. | 2.2 | 11 |
| 11 | The Critical Importance of Adopting Whole-of-Life Strategies for Polymers and Plastics. Sustainability, 2021, 13, 8218. | 1.6 | 10 |
| 12 | Selektive Bindungsspaltung in RAFT Agenzien durch niederenergetische Elektronenanlagerung. Angewandte Chemie, 2021, 133, 19276-19281. | 1.6 | 0 |
| 13 | Selective Bond Cleavage in RAFT Agents Promoted by Lowâ€Energy Electron Attachment. Angewandte Chemie - International Edition, 2021, 60, 19128-19132. | 7.2 | 12 |
| 14 | Synthesis of Multicompositional Onionâ€like Nanoparticles via RAFT Emulsion Polymerization. Angewandte Chemie, 2021, 133, 23469. | 1.6 | 2 |
| 15 | Synthesis of Multicompositional Onionâ€like Nanoparticles via RAFT Emulsion Polymerization. Angewandte Chemie - International Edition, 2021, 60, 23281-23288. | 7.2 | 16 |
| 16 | RAFT Emulsion Polymerization for (Multi)block Copolymer Synthesis: Overcoming the Constraints of Monomer Order. Macromolecules, 2021, 54, 736-746. | 2.2 | 36 |
| 17 | Fundamentals of reversible additionâ€“fragmentation chain transfer (RAFT). Chemistry Teacher International, 2021, 3, 3-17. | 0.9 | 13 |
| 18 | Selective and Rapid Lightâ€Induced RAFT Single Unit Monomer Insertion in Aqueous Solution. Macromolecular Rapid Communications, 2020, 41, e1900478. | 2.0 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A 20th anniversary perspective on the life of RAFT (RAFT coming of age). Polymer International, 2020, 69, 658-661. | 1.6 | 33 |
| 20 | A Comprehensive Platform for the Design and Synthesis of Polymer Molecular Weight Distributions. Macromolecules, 2020, 53, 8867-8882. | 2.2 | 45 |
| 21 | Reversible-deactivation radical polymerization (Controlled/living radical polymerization): From discovery to materials design and applications. Progress in Polymer Science, 2020, 111, 101311. | 11.8 | 555 |
| 22 | Anthraquinone-Mediated Reduction of a Trithiocarbonate Chain-Transfer Agent to Initiate Electrochemical Reversible Additionâ€“Fragmentation Chain Transfer Polymerization. Macromolecules, 2020, 53, 10315-10322. | 2.2 | 16 |
| 23 | Low-Dispersity Polymers in Ab Initio Emulsion Polymerization: Improved MacroRAFT Agent Performance in Heterogeneous Media. Macromolecules, 2020, 53, 7672-7683. | 2.2 | 29 |
| 24 | Versatile Approach for Preparing PVC-Based Mikto-Arm Star Additives Based on RAFT Polymerization. Macromolecules, 2020, 53, 4465-4479. | 2.2 | 13 |
| 25 | High-Throughput Process for the Discovery of Antimicrobial Polymers and Their Upscaled Production via Flow Polymerization. Macromolecules, 2020, 53, 631-639. | 2.2 | 55 |
| 26 | Definitions and notations relating to tactic polymers (IUPAC Recommendations 2020). Pure and Applied Chemistry, 2020, 92, 1769-1779. | 0.9 | 1 |
| 27 | A Critical Assessment of the Kinetics and Mechanism of Initiation of Radical Polymerization with Commercially Available Dialkyldiazene Initiators. Progress in Polymer Science, 2019, 88, 130-188. | 11.8 | 70 |
| 28 | Ab initio RAFT emulsion polymerization mediated by small cationic RAFT agents to form polymers with low molar mass dispersity. Polymer Chemistry, 2019, 10, 5044-5051. | 1.9 | 17 |
| 29 | Exploitation of the Nanoreactor Concept for Efficient Synthesis of Multiblock Copolymers via MacroRAFT-Mediated Emulsion Polymerization. ACS Macro Letters, 2019, 8, 989-995. | 2.3 | 67 |
| 30 | Kinetic modelling of the reversible additionâ€“fragmentation chain transfer polymerisation of N-isopropylacrylamide. European Polymer Journal, 2019, 120, 109193. | 2.6 | 3 |
| 31 | Electrochemical Behavior of Thiocarbonylthio Chain Transfer Agents for RAFT Polymerization. ACS Macro Letters, 2019, 8, 1316-1322. | 2.3 | 29 |
| 32 | Exploitation of Compartmentalization in RAFT Miniemulsion Polymerization to Increase the Degree of Livingness. Journal of Polymer Science Part A, 2019, 57, 1938-1946. | 2.5 | 31 |
| 33 | Kinetics and mechanism for thermal and photochemical decomposition of 4,4â€²-azobis(4-cyanopentanoic) Tj ETQq1 1 0.784314 rgBT / | 1.9 | 16 |
| 34 | Emerging Polymer Technologies. Chemistry International, 2019, 41, 42-44. | 0.3 | 0 |
| 35 | Nano-Engineered Multiblock Copolymer Nanoparticles via Reversible Additionâ€“Fragmentation Chain Transfer Emulsion Polymerization. Macromolecules, 2019, 52, 2965-2974. | 2.2 | 54 |
| 36 | Nonmigratory Poly(vinyl chloride)-block-polycaprolactone Plasticizers and Compatibilizers Prepared by Sequential RAFT and Ring-Opening Polymerization (RAFT-Tİμ-ROP). Macromolecules, 2019, 52, 1746-1756. | 2.2 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Polymerization-Induced Phase Segregation and Self-Assembly of Siloxane Additives to Provide Thermoset Coatings with a Defined Surface Topology and Biocidal and Self-Cleaning Properties. Nanomaterials, 2019, 9, 1610. | 1.9 | 6 |
| 38 | A Critical Survey of Dithiocarbamate Reversible Additionâ€Fragmentation Chain Transfer (RAFT) Agents in Radical Polymerization. Journal of Polymer Science Part A, 2019, 57, 216-227. | 2.5 | 58 |
| 39 | Effect of Scandium Triflate on the RAFT Copolymerization of Methyl Acrylate and Vinyl Acetate Controlled by an Acid/Base â€œSwitchableâ€•Chain Transfer Agent. Macromolecules, 2018, 51, 410-418. | 2.2 | 21 |
| 40 | Discrete and Stereospecific Oligomers Prepared by Sequential and Alternating Single Unit Monomer Insertion. Journal of the American Chemical Society, 2018, 140, 13392-13406. | 6.6 | 110 |
| 41 | Effect of the Zâ€•and Macroâ€Râ€Group on the Thermal Desulfurization of Polymers Synthesized with Acid/Base â€œSwitchableâ€•Dithiocarbamate RAFT Agents. Macromolecular Rapid Communications, 2018, 39, e1800228. | 2.0 | 22 |
| 42 | Elements of RAFT Navigation. ACS Symposium Series, 2018, , 77-103. | 0.5 | 21 |
| 43 | Lightâ€Induced RAFT Single Unit Monomer Insertion in Aqueous Solutionâ€”Toward Sequenceâ€Controlled Polymers. Macromolecular Rapid Communications, 2018, 39, e1800240. | 2.0 | 43 |
| 44 | Reversible addition-fragmentation chain transfer (co)polymerization of conjugated diene monomers: butadiene, isoprene and chloroprene. Polymer International, 2017, 66, 26-41. | 1.6 | 57 |
| 45 | Synthesis of Discrete Oligomers by Sequential PETâ€RAFT Singleâ€Unit Monomer Insertion. Angewandte Chemie - International Edition, 2017, 56, 8376-8383. | 7.2 | 165 |
| 46 | Synthesis of Discrete Oligomers by Sequential PETâ€RAFT Singleâ€Unit Monomer Insertion. Angewandte Chemie, 2017, 129, 8496-8503. | 1.6 | 36 |
| 47 | 4-Halogeno-3,5-dimethyl-1H-pyrazole-1-carbodithioates: versatile reversible addition fragmentation chain transfer agents with broad applicability. Polymer International, 2017, 66, 1438-1447. | 1.6 | 28 |
| 48 | Frontispiece: Synthesis of Discrete Oligomers by Sequential PETâ€RAFT Singleâ€Unit Monomer Insertion. Angewandte Chemie - International Edition, 2017, 56, . | 7.2 | 1 |
| 49 | Frontispiz: Synthesis of Discrete Oligomers by Sequential PETâ€RAFT Singleâ€Unit Monomer Insertion. Angewandte Chemie, 2017, 129, . | 1.6 | 0 |
| 50 | Cover Image, Volume 66, Issue 11. Polymer International, 2017, 66, i-i. | 1.6 | 0 |
| 51 | RAFT-mediated, visible light-initiated single unit monomer insertion and its application in the synthesis of sequence-defined polymers. Polymer Chemistry, 2017, 8, 4637-4643. | 1.9 | 69 |
| 52 | RAFT polymerization to form stimuli-responsive polymers. Polymer Chemistry, 2017, 8, 177-219. | 1.9 | 278 |
| 53 | In Focus Emerging Polymer Technologies Summit (EPTS'16). Polymer International, 2017, 66, 1423-1423. | 1.6 | 0 |
| 54 | Combination anti-HIV therapy via tandem release of prodrugs from macromolecular carriers. Polymer Chemistry, 2016, 7, 7477-7487. | 1.9 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Triple Activity of Lamivudine Releasing Sulfonated Polymers against HIV-1. Molecular Pharmaceutics, 2016, 13, 2397-2410. | 2.3 | 20 |
| 56 | Dithiocarbamate RAFT agents with broad applicability â€“ the 3,5-dimethyl-1H-pyrazole-1-carbodithioates. Polymer Chemistry, 2016, 7, 481-492. | 1.9 | 48 |
| 57 | Viscoelastic properties of vis-breaking polypropylenes. AIP Conference Proceedings, 2015, , . | 0.3 | 0 |
| 58 | Advances in Switchable RAFT Polymerization. Macromolecular Symposia, 2015, 350, 34-42. | 0.4 | 44 |
| 59 | Preparation of 1â€‰:â€‰1 alternating, nucleobase-containing copolymers for use in sequence-controlled polymerization. Polymer Chemistry, 2015, 6, 228-232. | 1.9 | 24 |
| 60 | Enhancement of MHC-I Antigen Presentation via Architectural Control of pH-Responsive, Endosomolytic Polymer Nanoparticles. AAPS Journal, 2015, 17, 358-369. | 2.2 | 52 |
| 61 | Aqueous hydrogen peroxide-induced degradation of polyolefins: AÂgreener process for controlled-rheology polypropylene. Polymer Degradation and Stability, 2015, 117, 97-108. | 2.7 | 22 |
| 62 | RAFT Polymerization â€“ Then and Now. ACS Symposium Series, 2015, , 211-246. | 0.5 | 43 |
| 63 | Triphenylphosphine-grafted, RAFT-synthesised, porous monoliths as catalysts for Michael addition in flow synthesis. Reactive and Functional Polymers, 2015, 96, 89-96. | 2.0 | 19 |
| 64 | The effect of Z-group modification on the RAFT polymerization of N-vinylpyrrolidone controlled by â€œswitchableâ€•N-pyridyl-functional dithiocarbamates. Polymer Chemistry, 2015, 6, 7119-7126. | 1.9 | 32 |
| 65 | RAFT (Reversible addition-fragmentation chain transfer) crosslinking (co)polymerization of multi-olefinic monomers to form polymer networks. Polymer International, 2015, 64, 15-24. | 1.6 | 93 |
| 66 | Chapter 1. The History of Nitroxide-mediated Polymerization. RSC Polymer Chemistry Series, 2015, , 1-44. | 0.1 | 14 |
| 67 | Modeling the Kinetics of Monolith Formation by RAFT Copolymerization of Styrene and Divinylbenzene. Macromolecular Reaction Engineering, 2014, 8, 706-722. | 0.9 | 25 |
| 68 | Mechanism and Kinetics of Dithiobenzoateâ€Mediated RAFT Polymerization â€“ Status of the Dilemma. Macromolecular Chemistry and Physics, 2014, 215, 9-26. | 1.1 | 126 |
| 69 | Rapid and Systematic Access to Quasiâ€Diblock Copolymer Libraries Covering a Comprehensive Composition Range by Sequential RAFT Polymerization in an Automated Synthesizer. Macromolecular Rapid Communications, 2014, 35, 492-497. | 2.0 | 45 |
| 70 | Porous, functional, poly(styrene-co-divinylbenzene) monoliths by RAFT polymerization. Polymer Chemistry, 2014, 5, 722-732. | 1.9 | 50 |
| 71 | RAFT for the Control of Monomer Sequence Distribution â€“ Single Unit Monomer Insertion (SUMI) into Dithiobenzoate RAFT Agents. ACS Symposium Series, 2014, , 133-147. | 0.5 | 17 |
| 72 | An Armâ€First Approach to Cleavable Miktoâ€Arm Star Polymers by RAFT Polymerization. Macromolecular Rapid Communications, 2014, 35, 840-845. | 2.0 | 47 |

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|---|---|---|---|
| 73 | One pot synthesis of higher order quasi-block copolymer librariesviasequential RAFT polymerization in an automated synthesizer. Polymer Chemistry, 2014, 5, 5236-5246. | 1.9 | 72 |
| 74 | Synthesis of cleavable multi-functional mikto-arm star polymer by RAFT polymerization: example of an anti-cancer drug 7-ethyl-10-hydroxycamptothecin (SN-38) as functional moiety. Science China Chemistry, 2014, 57, 995-1001. | 4.2 | 17 |
| 75 | A brief guide to polymer nomenclature from IUPAC. Colloid and Polymer Science, 2013, 291, 457-458. | 1.0 | 2 |
| 76 | A Brief Guide to Polymer Nomenclature. Polymer, 2013, 54, 3-4. | 1.8 | 6 |
| 77 | A Brief Guide to Polymer Nomenclature. Polymer Testing, 2013, 32, iv-v. | 2.3 | 1 |
| 78 | A brief guide to polymer nomenclature. Reactive and Functional Polymers, 2013, 73, iv-v. | 2.0 | 1 |
| 79 | A Brief Guide to Polymer Nomenclature. Progress in Polymer Science, 2013, 38, iii-iv. | 11.8 | 1 |
| 80 | RAFT Polymerization and Some of its Applications. Chemistry - an Asian Journal, 2013, 8, 1634-1644. | 1.7 | 276 |
| 81 | The reactivity of N-vinylcarbazole in RAFT polymerization: trithiocarbonates deliver optimal control for the synthesis of homopolymers and block copolymers. Polymer Chemistry, 2013, 4, 3591. | 1.9 | 41 |
| 82 | Fundamentals of RAFT Polymerization. RSC Polymer Chemistry Series, 2013, , 205-249. | 0.1 | 21 |
| 83 | Glossary of terms relating to thermal and thermomechanical properties of polymers (IUPAC) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf | 0.9 | 7 |
| 84 | Controlled Synthesis of Multifunctional Polymers by RAFT for Personal Care Applications. ACS Symposium Series, 2013, , 157-172. | 0.5 | 4 |
| 85 | A brief guide to polymer nomenclature (IUPAC Technical Report). Pure and Applied Chemistry, 2012, 84, 2167-2169. | 0.9 | 48 |
| 86 | Living Radical Polymerization by the RAFT Process â€“ A Third Update. Australian Journal of Chemistry, 2012, 65, 985. | 0.5 | 920 |
| 87 | Terminology for aggregation and self-assembly in polymer science (IUPAC Recommendations 2013). Pure and Applied Chemistry, 2012, 85, 463-492. | 0.9 | 21 |
| 88 | Chain Transfer Kinetics of Acid/Base Switchable N-Aryl-N-Pyridyl Dithiocarbamate RAFT Agents in Methyl Acrylate, N-Vinylcarbazole and Vinyl Acetate Polymerization. Macromolecules, 2012, 45, 4205-4215. | 2.2 | 81 |
| 89 | RAFT Agent Design and Synthesis. Macromolecules, 2012, 45, 5321-5342. | 2.2 | 505 |
| 90 | The scope for synthesis of macro-RAFT agents by sequential insertion of single monomer units. Polymer Chemistry, 2012, 3, 1879. | 1.9 | 122 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Some Recent Developments in RAFT Polymerization. ACS Symposium Series, 2012, , 243-258. | 0.5 | 9 |
| 92 | Block copolymers containing organic semiconductor segments by RAFT polymerization. Organic and Biomolecular Chemistry, 2011, 9, 6111. | 1.5 | 44 |
| 93 | Functional polymers for optoelectronic applications by RAFT polymerization. Polymer Chemistry, 2011, 2, 492-519. | 1.9 | 153 |
| 94 | Controlled RAFT Polymerization in a Continuous Flow Microreactor. Organic Process Research and Development, 2011, 15, 593-601. | 1.3 | 123 |
| 95 | Switchable Reversible Additionâ€“Fragmentation Chain Transfer (RAFT) Polymerization in Aqueous Solution, N,N-Dimethylacrylamide. Macromolecules, 2011, 44, 6738-6745. | 2.2 | 105 |
| 96 | Block Copolymer Synthesis through the Use of Switchable RAFT Agents. ACS Symposium Series, 2011, , 81-102. | 0.5 | 24 |
| 97 | Endâ€functional polymers, thiocarbonylthio group removal/transformation and reversible additionâ€“fragmentationâ€“chain transfer (RAFT) polymerization. Polymer International, 2011, 60, 9-25. | 1.6 | 275 |
| 98 | Chemical modification of starch by reactive extrusion. Progress in Polymer Science, 2011, 36, 218-237. | 11.8 | 215 |
| 99 | A Potential New RAFT - Click Reaction or a Cautionary Note on the Use of Diazomethane to Methylate RAFT-synthesized Polymers. Australian Journal of Chemistry, 2011, 64, 433. | 0.5 | 18 |
| 100 | Substituent Effects on RAFT Polymerization with Benzyl Aryl Trithiocarbonates. Macromolecular Chemistry and Physics, 2010, 211, 529-538. | 1.1 | 26 |
| 101 | Terminology for reversible-deactivation radical polymerization previously called "controlled" radical or "living" radical polymerization (IUPAC Recommendations 2010). Pure and Applied Chemistry, 2009, 82, 483-491. | 0.9 | 480 |
| 102 | RAFT Polymerization: Materials of The Future, Science of Today: Radical Polymerization - The Next Stage. Australian Journal of Chemistry, 2009, 62, 1379. | 0.5 | 34 |
| 103 | Thiocarbonylthio end group removal from RAFTâ€synthesized polymers by a radicalâ€induced process. Journal of Polymer Science Part A, 2009, 47, 6704-6714. | 2.5 | 103 |
| 104 | Living Radical Polymerization by the RAFT Process - A Second Update. Australian Journal of Chemistry, 2009, 62, 1402. | 0.5 | 874 |
| 105 | New Features of the Mechanism of RAFT Polymerization. ACS Symposium Series, 2009, , 3-18. | 0.5 | 39 |
| 106 | Universal (Switchable) RAFT Agents. Journal of the American Chemical Society, 2009, 131, 6914-6915. | 6.6 | 271 |
| 107 | Polystyrene-block-poly(vinyl acetate) through the Use of a Switchable RAFT Agent. Macromolecules, 2009, 42, 9384-9386. | 2.2 | 109 |
| 108 | Radical additionâ€“fragmentation chemistry in polymer synthesis. Polymer, 2008, 49, 1079-1131. | 1.8 | 1,296 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Toward Living Radical Polymerization. Accounts of Chemical Research, 2008, 41, 1133-1142. | 7.6 | 675 |
| 110 | Glossary of terms related to kinetics, thermodynamics, and mechanisms of polymerization (IUPAC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 0.9 | 76 |
| 111 | Thiocarbonylthio End Group Removal from RAFT-Synthesized Polymers by Radical-Induced Reduction. Macromolecules, 2007, 40, 4446-4455. | 2.2 | 221 |
| 112 | RAFT Polymerization: Adding to the Picture. Macromolecular Symposia, 2007, 248, 104-116. | 0.4 | 79 |
| 113 | Reversible Addition Fragmentation Chain Transfer Polymerization of Methyl Methacrylate in the Presence of Lewis Acids:â€‰ An Approach to Stereocontrolled Living Radical Polymerization. Macromolecules, 2007, 40, 9262-9271. | 2.2 | 51 |
| 114 | Definitions of terms relating to the structure and processing of sols, gels, networks, and inorganic-organic hybrid materials (IUPAC Recommendations 2007). Pure and Applied Chemistry, 2007, 79, 1801-1829. | 0.9 | 643 |
| 115 | A small-angle X-ray scattering study of the effect of chain architecture on the shear-induced crystallization of branched and linear poly(ethylene terephthalate). Journal of Applied Crystallography, 2007, 40, s599-s604. | 1.9 | 7 |
| 116 | Synthesis of Well-Defined Polystyrene with Primary Amine End Groups through the Use of Phthalimido-Functional RAFT Agents. Macromolecules, 2006, 39, 5293-5306. | 2.2 | 153 |
| 117 | RAFT Polymerization with Phthalimidomethyl Trithiocarbonates or Xanthates. On the Origin of Bimodal Molecular Weight Distributions in Living Radical Polymerization. Macromolecules, 2006, 39, 5307-5318. | 2.2 | 197 |
| 118 | Living Radical Polymerization by the RAFT Processâ€”A First Update. Australian Journal of Chemistry, 2006, 59, 669. | 0.5 | 826 |
| 119 | Mechanism and kinetics of dithiobenzoate-mediated RAFT polymerization. I. The current situation. Journal of Polymer Science Part A, 2006, 44, 5809-5831. | 2.5 | 429 |
| 120 | Crystallisation kinetics of novel branched poly(ethylene terephthalate): a small-angle X-ray scattering study. Polymer International, 2006, 55, 1435-1443. | 1.6 | 7 |
| 121 | Approaches to phthalimido and amino end-functional polystyrene by atom transfer radical polymerisation (ATRP). Reactive and Functional Polymers, 2006, 66, 137-147. | 2.0 | 34 |
| 122 | RAFT Copolymerization and Its Application to the Synthesis of Novel Dispersantsâ€”Intercalantsâ€”Exfoliants for Polymerâ€”Clay Nanocomposites. ACS Symposium Series, 2006, , 514-532. | 0.5 | 24 |
| 123 | The Emergence of RAFT Polymerization. Australian Journal of Chemistry, 2006, 59, 661. | 0.5 | 62 |
| 124 | A simple method for determining protic end-groups of synthetic polymers by 1H NMR spectroscopy. Polymer, 2006, 47, 1899-1911. | 1.8 | 41 |
| 125 | Rheological properties of high melt strength poly(ethylene terephthalate) formed by reactive extrusion. Journal of Applied Polymer Science, 2006, 100, 3646-3652. | 1.3 | 52 |
| 126 | Non-Ionic, Poly(ethylene oxide)-Based Surfactants as Intercalants/Dispersants/Exfoliants for Poly(propylene)-Clay Nanocomposites. Macromolecular Materials and Engineering, 2006, 291, 37-52. | 1.7 | 18 |

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|---|---|---|---|
| 127 | Thermolysis of RAFT-Synthesized Poly(Methyl Methacrylate). Australian Journal of Chemistry, 2006, 59, 755. | 0.5 | 117 |
| 128 | Novel Copolymers as Dispersants/Intercalants/Exfoliants for Polypropylene-Clay Nanocomposites. Macromolecular Symposia, 2006, 233, 170-179. | 0.4 | 32 |
| 129 | Advances in RAFT polymerization: the synthesis of polymers with defined end-groups. Polymer, 2005, 46, 8458-8468. | 1.8 | 735 |
| 130 | A novel method for determination of polyester end-groups by NMR spectroscopy. Polymer, 2005, 46, 5005-5011. | 1.8 | 31 |
| 131 | Living Radical Polymerization by the RAFT Process. ChemInform, 2005, 36, no. | 0.1 | 0 |
| 132 | Controlling Polymerization. , 2005, , 413-449. | | 1 |
| 133 | Chain Transfer. , 2005, , 279-331. | | 7 |
| 134 | Radical Reactions. , 2005, , 11-48. | | 3 |
| 135 | Living Radical Polymerization. , 2005, , 451-585. | | 53 |
| 136 | Copolymerization. , 2005, , 333-412. | | 2 |
| 137 | Binary Copolymerization with Catalytic Chain Transfer. A Method for Synthesizing Macromonomers Based on Monosubstituted Monomers. Macromolecules, 2005, 38, 9037-9054. | 2.2 | 32 |
| 138 | Propagation. , 2005, , 167-232. | | 1 |
| 139 | Thermolysis of RAFT-Synthesized Polymers. A Convenient Method for Trithiocarbonate Group Elimination. Macromolecules, 2005, 38, 5371-5374. | 2.2 | 143 |
| 140 | Living Radical Polymerization by the RAFT Process. Australian Journal of Chemistry, 2005, 58, 379. | 0.5 | 2,116 |
| 141 | Chain Transfer Activity of Ï‰-Unsaturated Methacrylic Oligomers in Polymerizations of Methacrylic Monomers. Macromolecules, 2004, 37, 4441-4452. | 2.2 | 44 |
| 142 | Definitions of terms relating to reactions of polymers and to functional polymeric materials (IUPAC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.9 | 228 |
| 143 | Thiocarbonylthio Compounds [SC(Ph)Sâ˜R] in Free Radical Polymerization with Reversible Addition-Fragmentation Chain Transfer (RAFT Polymerization). Role of the Free-Radical Leaving Group (R). Macromolecules, 2003, 36, 2256-2272. | 2.2 | 758 |
| 144 | Kinetics and Mechanism of RAFT Polymerization. ACS Symposium Series, 2003, , 520-535. | 0.5 | 58 |

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|---|---|---|---|
| 145 | Thiocarbonylthio Compounds (SC(Z)Sâ˜R) in Free Radical Polymerization with Reversible Addition-Fragmentation Chain Transfer (RAFT Polymerization). Effect of the Activating Group Z. Macromolecules, 2003, 36, 2273-2283. | 2.2 | 587 |
| 146 | Chain Length Dependence of Radicalâ˜Radical Termination in Free Radical Polymerization:Â A Pulsed Laser Photolysis Investigation. Macromolecules, 2003, 36, 2032-2040. | 2.2 | 21 |
| 147 | Living Free Radical Polymerization with Reversible Additionâ˜Fragmentation Chain Transfer (RAFT) Tj ETQq1 1 0.784314 rgBT /Overlock | 2.2 | 304 |
| 148 | Synthesis of novel architectures by radical polymerization with reversible addition fragmentation chain transfer (RAFT polymerization). Macromolecular Symposia, 2003, 192, 1-12. | 0.4 | 147 |
| 149 | Controlled synthesis of block polyesters by reactive extrusion. Macromolecular Symposia, 2003, 202, 37-46. | 0.4 | 8 |
| 150 | Initiating free radical polymerization. Macromolecular Symposia, 2002, 182, 65-80. | 0.4 | 77 |
| 151 | Multiarm organic compounds for use as reversible chain-transfer agents in living radical polymerizations. Tetrahedron Letters, 2002, 43, 6811-6814. | 0.7 | 54 |
| 152 | Mechanism and Kinetics of RAFT-Based Living Radical Polymerizations of Styrene and Methyl Methacrylate. Macromolecules, 2001, 34, 402-408. | 2.2 | 313 |
| 153 | Tailored polymer architectures by reversible addition-frasmentation chain transfer. Macromolecular Symposia, 2001, 174, 209-212. | 0.4 | 82 |
| 154 | Characterization of polyolefin melts using the polymer reference interaction site model integral equation theory with a single-site united atom model. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 1803-1814. | 2.4 | 11 |
| 155 | Living free radical polymerization with reversible addition - fragmentation chain transfer (the life of) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.6 | 799 |
| 156 | Living polymerization: Rationale for uniform terminology. , 2000, 38, 1706-1708. | | 97 |
| 157 | Living polymerization: Rationale for uniform terminology. Journal of Polymer Science Part A, 2000, 38, 1709-1709. | 2.5 | 12 |
| 158 | 15N CP/MAS solid-state NMR spectroscopy of a 15N-enriched hindered amine light stabilizer photolyzed in acrylic/melamine and acrylic/urethane coatings. Polymer Degradation and Stability, 2000, 70, 81-88. | 2.7 | 6 |
| 159 | Preparation of Macromonomers via Chain Transfer with and without Added Chain Transfer Agent. ACS Symposium Series, 2000, , 297-312. | 0.5 | 22 |
| 160 | Synthesis of Defined Polymers by Reversible Additionâ€"Fragmentation Chain Transfer: The RAFT Process. ACS Symposium Series, 2000, , 278-296. | 0.5 | 175 |
| 161 | Living Polymers by the Use of Trithiocarbonates as Reversible Additionâ˜Fragmentation Chain Transfer (RAFT) Agents:Â ABA Triblock Copolymers by Radical Polymerization in Two Steps. Macromolecules, 2000, 33, 243-245. | 2.2 | 446 |
| 162 | A novel synthesis of functional dithioesters, dithiocarbamates, xanthates and trithiocarbonates. Tetrahedron Letters, 1999, 40, 2435-2438. | 0.7 | 441 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | The synthesis of polyolefin graft copolymers by reactive extrusion. Progress in Polymer Science, 1999, 24, 81-142. | 11.8 | 514 |
| 164 | Living Radical Polymerization with Reversible Additionâ^'Fragmentation Chain Transfer (RAFT):Â Direct ESR Observation of Intermediate Radicals. Macromolecules, 1999, 32, 5457-5459. | 2.2 | 174 |
| 165 | Tailored polymers by free radical processes. Macromolecular Symposia, 1999, 143, 291-307. | 0.4 | 136 |
| 166 | Living Radical Polymerization with Reversible Additionâ^'Fragmentation Chain Transfer (RAFT) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 6977-6980. | 2.2 | 519 |
| 167 | Imidazolidinone Nitroxide-Mediated Polymerization. Macromolecules, 1999, 32, 6895-6903. | 2.2 | 85 |
| 168 | Chain Transfer to Polymer:Â A Convenient Route to Macromonomers. Macromolecules, 1999, 32, 7700-7702. | 2.2 | 163 |
| 169 | Measurements of Primary Radical Concentrations Generated by Pulsed Laser Photolysis Using Fluorescence Detection. Journal of Physical Chemistry A, 1999, 103, 6580-6586. | 1.1 | 44 |
| 170 | A More Versatile Route to Block Copolymers and Other Polymers of Complex Architecture by Living Radical Polymerization:Â The RAFT Process. Macromolecules, 1999, 32, 2071-2074. | 2.2 | 820 |
| 171 | Living Free-Radical Polymerization by Reversible Additionâ^'Fragmentation Chain Transfer:Â The RAFT Process. Macromolecules, 1998, 31, 5559-5562. | 2.2 | 4,672 |
| 172 | Controlled-Growth Free-Radical Polymerization of Methacrylate Esters: Reversible Chain Transfer versus Reversible Termination. ACS Symposium Series, 1998, , 332-360. | 0.5 | 76 |
| 173 | Developments in the synthesis of maleated polyolefins by reactive extrusion. Macromolecular Symposia, 1998, 129, 109-118. | 0.4 | 18 |
| 174 | Direct Measurement of Primary Radical Concentrations in Pulsed Laser Photolysis. Macromolecules, 1997, 30, 7627-7630. | 2.2 | 19 |
| 175 | Characterization of poly(ethylene terephthalate) and poly(ethylene terephthalate) blends. Polymer, 1997, 38, 3035-3043. | 1.8 | 37 |
| 176 | Use of Chain Length Distributions in Determining Chain Transfer Constants and Termination Mechanisms. Macromolecules, 1996, 29, 7727-7733. | 2.2 | 77 |
| 177 | Chain Transfer Activity of Ï‰-Unsaturated Methyl Methacrylate Oligomers. Macromolecules, 1996, 29, 7717-7726. | 2.2 | 140 |
| 178 | Control of polymer structure by chain transfer processes. Macromolecular Symposia, 1996, 111, 1-11. | 0.4 | 26 |
| 179 | A new form of controlled growth free radical polymerization. Macromolecular Symposia, 1996, 111, 13-23. | 0.4 | 82 |
| 180 | Morphology-property relationships in ABS/PET blends. I. Compositional effects. , 1996, 62, 1699-1708. | | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Morphology-property relationships in ABS/PET blends. II. Influence of processing conditions on structure and properties. , 1996, 62, 1709-1714. | | 19 |
| 182 | Evaluation of propagation rate constants for the free radical polymerization of methacrylonitrile by pulsed laser photolysis. Macromolecular Rapid Communications, 1995, 16, 837-844. | 2.0 | 31 |
| 183 | Alkoxyamine-Initiated Living Radical Polymerization: Factors Affecting Alkoxyamine Homolysis Rates. Macromolecules, 1995, 28, 8722-8728. | 2.2 | 325 |
| 184 | Narrow Polydispersity Block Copolymers by Free-Radical Polymerization in the Presence of Macromonomers. Macromolecules, 1995, 28, 5381-5385. | 2.2 | 203 |
| 185 | Compatibilisation of polystyrene-polyolefin blends. Polymer Bulletin, 1994, 32, 479-485. | 1.7 | 45 |
| 186 | New Free-Radical Ring-Opening Acrylate Monomers. Macromolecules, 1994, 27, 7935-7937. | 2.2 | 84 |
| 187 | Applications of Labelling and Multidimensional NMR in the Characterization of Synthetic Polymers. Annual Reports on NMR Spectroscopy, 1994, , 287-323. | 0.7 | 3 |
| 188 | Further studies on the thermal decomposition of AIBNâ€"implications concerning the mechanism of termination in methacrylonitrile polymerization. European Polymer Journal, 1993, 29, 379-388. | 2.6 | 35 |
| 189 | Effect of ethyl aluminium sesquichloride on the relative reactivities of styrene and methyl methacrylate towards the 1-cyano-1-methylethyl and the 1-methyl-1-(methoxycarbonyl)ethyl radicals. European Polymer Journal, 1993, 29, 389-395. | 2.6 | 10 |
| 190 | Title is missing!. Die Makromolekulare Chemie, 1993, 194, 1691-1705. | 1.1 | 112 |
| 191 | Effect of ethyl aluminium sesquichloride on the specificity of the reactions of 1-methyl-1-methoxycarbonylethyl radical. Polymer Bulletin, 1992, 27, 425-428. | 1.7 | 8 |
| 192 | Consistent values of rate parameters in free radical polymerization systems. II. Outstanding dilemmas and recommendations. Journal of Polymer Science Part A, 1992, 30, 851-863. | 2.5 | 199 |
| 193 | Absolute rate constants for radical-monomer reactions. Polymer Bulletin, 1992, 29, 647-652. | 1.7 | 74 |
| 194 | Effects of solvent on model copolymerization reactions. A 13C-NMR study. European Polymer Journal, 1992, 28, 275-282. | 2.6 | 15 |
| 195 | Computer simulation of the chemical properties of copolymers. Makromolekulare Chemie Macromolecular Symposia, 1991, 51, 127-146. | 0.6 | 13 |
| 196 | 13C=O NMR Signal Assignments for Poly(n-butyl methacrylate-co-methyl methacrylate). Application of 13C-1H Correlation Spectroscopy and 13C Labelling. Polymer Journal, 1991, 23, 1401-1403. | 1.3 | 5 |
| 197 | The Application of Supercomputers in Modeling Chemical Reaction Kinetics: Kinetic Simulation of 'Quasi-Living' Radical Polymerization. Australian Journal of Chemistry, 1990, 43, 1215. | 0.5 | 97 |
| 198 | Invited Review. Understanding and Controlling Radical Polymerization. Australian Journal of Chemistry, 1990, 43, 215. | 0.5 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | The philicity of tert-butoxy radicals. What factors are important in determining the rate and regiospecificity of tert-butoxy radical addition to olefins?. Journal of Organic Chemistry, 1989, 54, 1607-1611. | 1.7 | 67 |
| 200 | â€œWeak linksâ€•in polystyreneâ€”thermal degradation of polymers prepared with AIBN or benzoyl peroxide as initiator. European Polymer Journal, 1989, 25, 767-777. | 2.6 | 33 |
| 201 | How powerful are composition data in discriminating between the terminal and penultimate models for binary copolymerization?. Macromolecules, 1989, 22, 1145-1147. | 2.2 | 29 |
| 202 | Chemistry of Bimolecular Termination. , 1989, , 147-160. | | 7 |
| 203 | Other Initiating Systems. , 1989, , 141-146. | | 15 |
| 204 | Azo and Peroxy Initiators. , 1989, , 97-121. | | 21 |
| 205 | Thermal stability of poly(methyl methacrylate). Polymer Bulletin, 1988, 20, 499-503. | 1.7 | 35 |
| 206 | Consistent values of rate parameters in free radical polymerization systems. Journal of Polymer Science, Polymer Letters Edition, 1988, 26, 293-297. | 0.4 | 132 |
| 207 | Kinetics of the coupling reactions of the nitroxyl radical 1,1,3,3-tetramethylisoindoline-2-oxyl with carbon-centered radicals. Journal of Organic Chemistry, 1988, 53, 1632-1641. | 1.7 | 165 |
| 208 | End groups of poly(methyl methacrylate-co-styrene) prepared with tert-butoxy, methyl, and/or phenyl radical initiation: effects of solvent, monomer composition, and conversion. Macromolecules, 1988, 21, 1522-1528. | 2.2 | 38 |
| 209 | Thermal stability of benzoyl peroxide-initiated polystyrene. Macromolecules, 1988, 21, 855-857. | 2.2 | 19 |
| 210 | Initiation. The reactions of primary radicals. Makromolekulare Chemie Macromolecular Symposia, 1987, 10-11, 109-125. | 0.6 | 27 |
| 211 | Influences of the initiation and termination reactions on the molecular weight distribution and compositional heterogeneity of functional copolymers: an application of Monte Carlo simulation. Macromolecules, 1987, 20, 675-679. | 2.2 | 35 |
| 212 | Kinetic data for coupling of primary alkyl radicals with a stable nitroxide. Journal of the Chemical Society Chemical Communications, 1986, , 1003. | 2.0 | 27 |
| 213 | 13C-1H heteronuclear chemical shift correlation spectroscopy applied to poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 18 sequences. Macromolecules, 1986, 19, 2494-2497. | 2.2 | 28 |
| 214 | Critical-Points (Azeotropic Compositions) in Multicomponent Copolymerization. Australian Journal of Chemistry, 1986, 39, 1877. | 0.5 | 5 |
| 215 | Tacticity of Poly(Methyl Methacrylate). Evidence for a Penpenultimate Group Effect in Free-Radical Polymerization. Australian Journal of Chemistry, 1986, 39, 43. | 0.5 | 58 |
| 216 | Kinetic Simulation of Polymerization Involving Termination by Reversible Chain Transfer. Australian Journal of Chemistry, 1986, 39, 1943. | 0.5 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Critical Points in Binary Copolymerization and the Penultimate Group Effect. Australian Journal of Chemistry, 1985, 38, 1287. | 0.5 | 3 |
| 218 | Structural defects in polymers - their identification and significance. Pure and Applied Chemistry, 1985, 57, 985-992. | 0.9 | 21 |
| 219 | Slow nitrogen inversionâ€“Nâ€“O rotation in 2-alkoxy-1,1,3,3-tetramethylisoindolines. Journal of the Chemical Society Chemical Communications, 1985, , 1249-1250. | 2.0 | 10 |
| 220 | Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1984, 5, 793-798. | 1.1 | 84 |
| 221 | Evaluation of end groups in poly(methyl methacrylate-co-styrene) by 13C NMR. Polymer Bulletin, 1984, 12, 471. | 1.7 | 14 |
| 222 | Fate of the initiator in the azobisisobutyronitrile-initiated polymerization of styrene. Macromolecules, 1984, 17, 1094-1099. | 2.2 | 97 |
| 223 | Synthesis of the radical scavenger 1,1,3,3-Tetramethylisoindolin-2-yloxyl. Australian Journal of Chemistry, 1983, 36, 397. | 0.5 | 117 |
| 224 | On the regioselectivity of free radical processes ; reactions of benzoyloxy, phenyl and t-butoxy radicals with some Î±,Î²-unsaturated esters. Australian Journal of Chemistry, 1983, 36, 1573. | 0.5 | 45 |
| 225 | Solvent effects on the reaction of t-butoxy radicals with methyl methacrylate. Australian Journal of Chemistry, 1983, 36, 2447. | 0.5 | 35 |
| 226 | The Reaction of Benzoyloxy Radicals with Styreneâ€”Implications Concerning the Structure of Polystyrene. Journal of Macromolecular Science Part A, Chemistry, 1982, 17, 51-59. | 0.4 | 40 |
| 227 | Structure of benzoyl peroxide initiated polystyrene: determination of the initiator-derived functionality by carbon-13 NMR. Macromolecules, 1982, 15, 1188-1191. | 2.2 | 96 |
| 228 | Selectivity of the reaction of free radicals with styrene. Macromolecules, 1982, 15, 909-914. | 2.2 | 223 |
| 229 | Reactions of benzoyloxyl radicals with some common vinyl monomers. Die Makromolekulare Chemie Rapid Communications, 1982, 3, 533-536. | 1.1 | 35 |
| 230 | A product study of the nitroxide inhibited thermal polymerization of styrene. Polymer Bulletin, 1982, 6, 589. | 1.7 | 81 |
| 231 | Head additon of radicals to methyl methacrylate. Polymer Bulletin, 1982, 6, 647. | 1.7 | 17 |
| 232 | The reaction of acyl peroxides with 2,2,6,6-tetramethylpiperidinyl-1-oxy. Tetrahedron Letters, 1981, 22, 1165-1168. | 0.7 | 60 |
| 233 | The kinetics and mechanism of ring opening of radicals containing the cyclobutylcarbinyl system. Journal of the Chemical Society Perkin Transactions II, 1980, , 1083. | 0.9 | 77 |
| 234 | Ring-opening of some radicals containing the cyclopropylmethyl system. Journal of the Chemical Society Perkin Transactions II, 1980, , 1473. | 0.9 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Studies on 6-methyl-5-deazatetrahydropterin and its 4a adducts. Journal of the American Chemical Society, 1979, 101, 6068-6076. | 6.6 | 46 |
| 236 | The mechanism of oxidation of 6-methyl-5-carba-5-deazatetrahydropterin. Evidence for the involvement cf a 4a-adduct in the oxidation of tetrahydropterins.. Tetrahedron Letters, 1978, 19, 2271-2274. | 0.7 | 9 |
| 237 | On the mechanism of decomposition of geminal diamines. Journal of the American Chemical Society, 1978, 100, 5495-5499. | 6.6 | 25 |
| 238 | Aluminium-chloride-promoted reactions of ethyl acrylate with olefins. Australian Journal of Chemistry, 1977, 30, 2733. | 0.5 | 8 |
| 239 | Cyclization of 3-allylhex-5-enyl radical: mechanism, and implications concerning the structures of cyclopolymers. Journal of the Chemical Society Perkin Transactions II, 1975, , 1726. | 0.9 | 27 |
| 240 | Intramolecular addition in hex-5-enyl, hept-6-enyl, and oct-7-enyl radicals. Journal of the Chemical Society Chemical Communications, 1974, , 472. | 2.0 | 86 |
| 241 | The Mechanism and Kinetics of the RAFT Process: Overview, Rates, Stabilities, Side Reactions, Product Spectrum and Outstanding Challenges. , 0, , 51-104. | | 42 |
| 242 | Macro-RAFT Synthesis by Single Unit Monomer Insertion (SUMI) into Dithiobenzoate RAFT Agents Towards Biological Precision. , 0, , . | | 0 |