

Paul Wilson

List of Publications by Year in descending order

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85
papers

4,101
citations

117453

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118652

62
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90
all docs

90
docs citations

90
times ranked

3352
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Cu(0)-Mediated Living Radical Polymerization: A Versatile Tool for Materials Synthesis. <i>Chemical Reviews</i> , 2016, 116, 835-877. | 23.0 | 373 |
| 2 | Copper(II)/Tertiary Amine Synergy in Photoinduced Living Radical Polymerization: Accelerated Synthesis of $\hat{\pm}$ -Functional and $\hat{\pm}$ -Heterofunctional Poly(acrylates). <i>Journal of the American Chemical Society</i> , 2014, 136, 1141-1149. | 6.6 | 336 |
| 3 | Aqueous Copper-Mediated Living Polymerization: Exploiting Rapid Disproportionation of CuBr with Me ₆ TREN. <i>Journal of the American Chemical Society</i> , 2013, 135, 7355-7363. | 6.6 | 297 |
| 4 | Photoinduced sequence-control via one pot living radical polymerization of acrylates. <i>Chemical Science</i> , 2014, 5, 3536-3542. | 3.7 | 151 |
| 5 | Sequence-controlled multi-block copolymerization of acrylamides via aqueous SET-LRP at 0 Å°C. <i>Polymer Chemistry</i> , 2015, 6, 406-417. | 1.9 | 137 |
| 6 | High Molecular Weight Block Copolymers by Sequential Monomer Addition via Cu(0)-Mediated Living Radical Polymerization (SET-LRP): An Optimized Approach. <i>ACS Macro Letters</i> , 2013, 2, 896-900. | 2.3 | 124 |
| 7 | Magnetic nanoparticles with diblock glycopolymer shells give lectin concentration-dependent MRI signals and selective cell uptake. <i>Chemical Science</i> , 2014, 5, 715-726. | 3.7 | 111 |
| 8 | Conjugation-Induced Fluorescent Labeling of Proteins and Polymers Using Dithiomaleimides. <i>Journal of the American Chemical Society</i> , 2013, 135, 2875-2878. | 6.6 | 106 |
| 9 | Multiblock sequence-controlled glycopolymers via Cu(0)-LRP following efficient thiol-halogen, thiol-epoxy and CuAAC reactions. <i>Polymer Chemistry</i> , 2014, 5, 3876-3883. | 1.9 | 101 |
| 10 | Expanding the Scope of the Photoinduced Living Radical Polymerization of Acrylates in the Presence of CuBr ₂ and Me ₆ Tren. <i>Macromolecules</i> , 2014, 47, 3852-3859. | 2.2 | 100 |
| 11 | Photoinduced Synthesis of $\hat{\pm}$ -Telechelic Sequence-Controlled Multiblock Copolymers. <i>Macromolecules</i> , 2015, 48, 1404-1411. | 2.2 | 97 |
| 12 | Poly(2-oxazoline)-based micro- and nanoparticles: A review. <i>European Polymer Journal</i> , 2017, 88, 486-515. | 2.6 | 91 |
| 13 | Well-Defined Protein/Peptide-Polymer Conjugates by Aqueous Cu-LRP: Synthesis and Controlled Self-Assembly. <i>Journal of the American Chemical Society</i> , 2015, 137, 9344-9353. | 6.6 | 84 |
| 14 | <i>Absolut</i> - copper catalyzed, robust living polymerization of NIPAM: <i>Guinness</i> is good for SET-LRP. <i>Polymer Chemistry</i> , 2014, 5, 57-61. | 1.9 | 80 |
| 15 | Copper(0)-mediated radical polymerisation in a self-generating biphasic system. <i>Polymer Chemistry</i> , 2013, 4, 106-112. | 1.9 | 75 |
| 16 | Organic Arsenicals As Efficient and Highly Specific Linkers for Protein/Peptide-Polymer Conjugation. <i>Journal of the American Chemical Society</i> , 2015, 137, 4215-4222. | 6.6 | 71 |
| 17 | Photo-induced living radical polymerization of acrylates utilizing a discrete copper-formate complex. <i>Chemical Communications</i> , 2015, 51, 5626-5629. | 2.2 | 70 |
| 18 | The importance of ligand reactions in Cu(0)-mediated living radical polymerisation of acrylates. <i>Polymer Chemistry</i> , 2013, 4, 2672. | 1.9 | 68 |

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|----|--|-----|-----------|
| 19 | Rapid Synthesis of Well-Defined Polyacrylamide by Aqueous Cu(0)-Mediated Reversible-Deactivation Radical Polymerization. <i>Macromolecules</i> , 2016, 49, 483-489. | 2.2 | 67 |
| 20 | Synthesis and Aggregation of Double Hydrophilic Diblock Glycopolymers via Aqueous SET-LRP. <i>ACS Macro Letters</i> , 2014, 3, 491-495. | 2.3 | 64 |
| 21 | Copper-mediated controlled radical polymerization under biological conditions: SET-LRP in blood serum. <i>Chemical Communications</i> , 2013, 49, 6608. | 2.2 | 62 |
| 22 | Aqueous Copper-Mediated Living Radical Polymerisation of <i>N</i> -Acryloylmorpholine, SET-LRP in Water. <i>Macromolecular Rapid Communications</i> , 2014, 35, 965-970. | 2.0 | 58 |
| 23 | Copper mediated atom transfer radical cyclisations with AIBN. <i>Tetrahedron Letters</i> , 2008, 49, 4848-4850. | 0.7 | 55 |
| 24 | Synthesis of well-defined telechelic multiblock copolymers in aqueous medium: in situ generation of diols. <i>Polymer Chemistry</i> , 2015, 6, 2226-2233. | 1.9 | 54 |
| 25 | Synthesis of well-defined catechol polymers for surface functionalization of magnetic nanoparticles. <i>Polymer Chemistry</i> , 2016, 7, 7002-7010. | 1.9 | 54 |
| 26 | Copper-mediated living radical polymerization (SET-LRP) of lipophilic monomers from multi-functional initiators: reducing star coupling at high molecular weights and high monomer conversions. <i>Polymer Chemistry</i> , 2014, 5, 892-898. | 1.9 | 52 |
| 27 | A Hydrogel-Based Localized Release of Colistin for Antimicrobial Treatment of Burn Wound Infection. <i>Macromolecular Bioscience</i> , 2017, 17, 1600320. | 2.1 | 51 |
| 28 | Investigating the Mechanism of Copper(0)-Mediated Living Radical Polymerization in Organic Media. <i>Macromolecules</i> , 2015, 48, 5517-5525. | 2.2 | 50 |
| 29 | Investigating the Mechanism of Copper(0)-Mediated Living Radical Polymerization in Aqueous Media. <i>Macromolecules</i> , 2015, 48, 6421-6432. | 2.2 | 49 |
| 30 | In Situ Conjugation of Dithiophenol Maleimide Polymers and Oxytocin for Stable and Reversible Polymer-Peptide Conjugates. <i>Bioconjugate Chemistry</i> , 2015, 26, 633-638. | 1.8 | 47 |
| 31 | Polymerization of long chain [meth]acrylates by Cu(0)-mediated and catalytic chain transfer polymerisation (CCTP): high fidelity end group incorporation and modification. <i>Polymer Chemistry</i> , 2013, 4, 4113. | 1.9 | 45 |
| 32 | Well-Defined PDMAEA Stars via Cu(0)-Mediated Reversible Deactivation Radical Polymerization. <i>Macromolecules</i> , 2016, 49, 8914-8924. | 2.2 | 39 |
| 33 | Profiling the Serum Protein Corona of Fibrillar Human Islet Amyloid Polypeptide. <i>ACS Nano</i> , 2018, 12, 6066-6078. | 7.3 | 39 |
| 34 | Synthesis and reactivity of telechelic polymers by Cu(0)-mediated living radical polymerization. <i>European Polymer Journal</i> , 2015, 62, 294-303. | 2.6 | 36 |
| 35 | Regiochemistry of Copper(I)-Mediated Cyclization Reactions of Halo-dienamides. <i>Journal of Organic Chemistry</i> , 2007, 72, 5923-5926. | 1.7 | 35 |
| 36 | Self-assembly and disassembly of stimuli responsive tadpole-like single chain nanoparticles using a switchable hydrophilic/hydrophobic boronic acid cross-linker. <i>Polymer Chemistry</i> , 2017, 8, 4079-4087. | 1.9 | 34 |

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|----|--|-----|-----------|
| 37 | Dual Stimuli-Responsive Comb Polymers from Modular <i>N</i> -Acylated Poly(aminoester)-Based Macromonomers. <i>ACS Macro Letters</i> , 2016, 5, 321-325. | 2.3 | 32 |
| 38 | Specific and Differential Binding of <i>N</i> -Acetylgalactosamine Glycopolymers to the Human Macrophage Galactose Lectin and Asialoglycoprotein Receptor. <i>Biomacromolecules</i> , 2017, 18, 1624-1633. | 2.6 | 32 |
| 39 | Axially Chiral Enamides: Substituent Effects, Rotation Barriers, and Implications for their Cyclization Reactions. <i>Journal of Organic Chemistry</i> , 2016, 81, 5547-5565. | 1.7 | 31 |
| 40 | Controlled aqueous polymerization of acrylamides and acrylates and <i>in situ</i> depolymerization in the presence of dissolved CO ₂ . <i>Chemical Communications</i> , 2016, 52, 6533-6536. | 2.2 | 29 |
| 41 | 2-Aryl propionamides via 1,4-aryl radical migration from <i>N</i> -arylsulfonyl-2-bromopropionamides. <i>Tetrahedron Letters</i> , 2009, 50, 6311-6314. | 0.7 | 28 |
| 42 | Surface patterning of polyacrylamide gel using scanning electrochemical cell microscopy (SECCM). <i>Chemical Communications</i> , 2016, 52, 9929-9932. | 2.2 | 26 |
| 43 | Atom-Transfer Cyclization with CuSO ₄ /KBH ₄ : A Formal <i>in situ</i> Activators Generated by Electron Transfer Process Also Applicable to Atom-Transfer Polymerization. <i>Journal of Organic Chemistry</i> , 2012, 77, 6778-6788. | 1.7 | 25 |
| 44 | Novel comb polymers from alternating <i>N</i> -acylated poly(aminoester)s obtained by spontaneous zwitterionic copolymerisation. <i>Chemical Communications</i> , 2015, 51, 16213-16216. | 2.2 | 25 |
| 45 | Microscale synthesis of multiblock copolymers using ultrafast RAFT polymerisation. <i>Polymer Chemistry</i> , 2019, 10, 1186-1191. | 1.9 | 25 |
| 46 | Polymerisation of 2-acrylamido-2-methylpropane sulfonic acid sodium salt (NaAMPS) and acryloyl phosphatidylcholine (APC) via aqueous Cu(0)-mediated radical polymerisation. <i>Polymer Chemistry</i> , 2016, 7, 2452-2456. | 1.9 | 23 |
| 47 | High resolution visualization of the redox activity of Li ₂ O ₂ in non-aqueous media: conformal layer vs. toroid structure. <i>Chemical Communications</i> , 2018, 54, 3053-3056. | 2.2 | 23 |
| 48 | Synthesis and Applications of Protein/Peptide-Polymer Conjugates. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600595. | 1.1 | 22 |
| 49 | Comb Poly(Oligo(2-Ethyl-2-Oxazoline)Methacrylate)-Peptide Conjugates Prepared by Aqueous Cu(0)-Mediated Polymerization and Reductive Amination. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600534. | 2.0 | 22 |
| 50 | 1,4-Aryl migration under copper(I) atom transfer conditions. <i>Tetrahedron Letters</i> , 2009, 50, 5609-5612. | 0.7 | 21 |
| 51 | Self-Assembling Protein-Polymer Bioconjugates for Surfaces with Antifouling Features and Low Nonspecific Binding. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3599-3608. | 4.0 | 21 |
| 52 | Cu(0)-mediated living radical polymerisation in dimethyl lactamide (DML); an unusual green solvent with limited environmental impact. <i>Polymer Chemistry</i> , 2015, 6, 8319-8324. | 1.9 | 19 |
| 53 | Methacrylic Zwitterionic, Thermoresponsive, and Hydrophilic (Co)Polymers via Cu(0)-Polymerization: The Importance of Halide Salt Additives. <i>Macromolecular Rapid Communications</i> , 2016, 37, 356-361. | 2.0 | 19 |
| 54 | Hydrosilylation as an efficient tool for polymer synthesis and modification with methacrylates. <i>RSC Advances</i> , 2015, 5, 5879-5885. | 1.7 | 18 |

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|----|--|-----|-----------|
| 55 | Bioinspired coating of TiO ₂ nanoparticles with antimicrobial polymers by Cu(0)-LRP: grafting to vs. grafting from. <i>Polymer Chemistry</i> , 2017, 8, 6570-6580. | 1.9 | 17 |
| 56 | Bond Rotation Dynamics of Enamides: The Effect of the Acyl Group and Potential for Chirality Transfer during 5-Endo Trig Radical Cyclizations. <i>Journal of Organic Chemistry</i> , 2011, 76, 4546-4551. | 1.7 | 16 |
| 57 | Reversible Regulation of Thermoresponsive Property of Dithiomaleimide-Containing Copolymers via Sequential Thiol Exchange Reactions. <i>ACS Macro Letters</i> , 2016, 5, 709-713. | 2.3 | 16 |
| 58 | A traceless reversible polymeric colistin prodrug to combat multidrug-resistant (MDR) gram-negative bacteria. <i>Journal of Controlled Release</i> , 2017, 259, 83-91. | 4.8 | 15 |
| 59 | Engineered Hydrogen-Bonded Glycopolymer Capsules and Their Interactions with Antigen Presenting Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6444-6452. | 4.0 | 15 |
| 60 | Facile one-pot/one-step synthesis of heterotelechelic N-acylated poly(aminoester) macromonomers for carboxylic acid decorated comb polymers. <i>Polymer Chemistry</i> , 2016, 7, 6703-6707. | 1.9 | 14 |
| 61 | Plug-and-play aqueous electrochemical atom transfer radical polymerization. <i>Chemical Communications</i> , 2021, 57, 3897-3900. | 2.2 | 14 |
| 62 | Stability Enhancing <i>N</i> -Terminal PEGylation of Oxytocin Exploiting Different Polymer Architectures and Conjugation Approaches. <i>Biomacromolecules</i> , 2016, 17, 2755-2766. | 2.6 | 13 |
| 63 | Mussel-inspired thermoresponsive polymers with a tunable LCST by Cu(0)-LRP for the construction of smart TiO ₂ nanocomposites. <i>Polymer Chemistry</i> , 2017, 8, 3679-3688. | 1.9 | 13 |
| 64 | Tuning the Structure, Stability, and Responsivity of Polymeric Arsenical Nanoparticles Using Polythiol Cross-Linkers. <i>Macromolecules</i> , 2019, 52, 992-1003. | 2.2 | 13 |
| 65 | Bond Rotation Dynamics of <i>N</i> -Cycloalkenyl- <i>N</i> -benzyl $\hat{\pm}$ -Haloacetamide Derivatives. <i>Journal of Organic Chemistry</i> , 2009, 74, 4262-4266. | 1.7 | 12 |
| 66 | High T _g poly(ester amide)s by melt polycondensation of monomers from renewable resources; citric acid, D-glucono- δ -lactone and amino acids: A DSC study. <i>European Polymer Journal</i> , 2017, 94, 11-19. | 2.6 | 12 |
| 67 | Synthesis, aggregation and responsivity of block copolymers containing organic arsenicals. <i>Polymer Chemistry</i> , 2018, 9, 1551-1556. | 1.9 | 12 |
| 68 | Reversible surface functionalisation of emulsion-templated porous polymers using dithiophenol maleimide functional macromolecules. <i>Chemical Communications</i> , 2017, 53, 9789-9792. | 2.2 | 11 |
| 69 | Hydrolyzable Poly[Poly(Ethylene Glycol) Methyl Ether Acrylate] $\hat{\pm}$ Colistin Prodrugs through Copper-Mediated Photoinduced Living Radical Polymerization. <i>Bioconjugate Chemistry</i> , 2017, 28, 1916-1924. | 1.8 | 11 |
| 70 | Organic Arsenicals as Functional Motifs in Polymer and Biomaterials Science. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1800205. | 2.0 | 11 |
| 71 | Thiol-reactive (co)polymer scaffolds comprising organic arsenical acrylamides. <i>Chemical Communications</i> , 2017, 53, 8447-8450. | 2.2 | 9 |
| 72 | UV irradiation of Cu-based complexes with aliphatic amine ligands as used in living radical polymerization. <i>European Polymer Journal</i> , 2020, 123, 109388. | 2.6 | 9 |

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|----|--|-----|-----------|
| 73 | Polyurea microcapsules from isocyanatoethyl methacrylate copolymers. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2698-2705. | 2.5 | 7 |
| 74 | Aqueous electrochemically-triggered atom transfer radical polymerization. <i>Chemical Science</i> , 2022, 13, 5741-5749. | 3.7 | 7 |
| 75 | Current-controlled "plug-and-play"™ electrochemical atom transfer radical polymerization of acrylamides in water. <i>Polymer Chemistry</i> , 2022, 13, 3460-3470. | 1.9 | 7 |
| 76 | A sequential native chemical ligation " thiol-Michael addition strategy for polymer" polymer ligation. <i>Polymer Chemistry</i> , 2019, 10, 5242-5250. | 1.9 | 6 |
| 77 | Synthesis and [2+2]-photodimerisation of monothiomaleimide functionalised linear and brush-like polymers. <i>Chemical Communications</i> , 2020, 56, 9545-9548. | 2.2 | 6 |
| 78 | Thermoresponsive viscosity of polyacrylamide block copolymers synthesised via aqueous Cu-RDRP. <i>European Polymer Journal</i> , 2019, 114, 326-331. | 2.6 | 5 |
| 79 | Sequence-Controlled Multi-Block Glycopolymers via Cu(0) Mediated Living Radical Polymerization. <i>ACS Symposium Series</i> , 2014, , 327-348. | 0.5 | 4 |
| 80 | Polymeric arsenicals as scaffolds for functional and responsive hydrogels. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4263-4271. | 2.9 | 4 |
| 81 | Unprecedented Control over the Acrylate and Acrylamide Polymerization in Aqueous and Organic Media. <i>ACS Symposium Series</i> , 2015, , 29-45. | 0.5 | 3 |
| 82 | Thermal study of polyester networks based on renewable monomers citric acid and gluconolactone. <i>Polymer International</i> , 2017, 66, 59-63. | 1.6 | 3 |
| 83 | Functionalisation and stabilisation of polymeric arsenical nanoparticles prepared by sequential reductive and radical cross-linking. <i>Polymer Chemistry</i> , 2020, 11, 2519-2531. | 1.9 | 2 |
| 84 | Synthesis of biodegradable liquid-core microcapsules composed of isocyanate functionalized poly(ϵ -caprolactone)-containing copolymers. <i>European Polymer Journal</i> , 2021, 159, 110739. | 2.6 | 2 |
| 85 | Synthesis and self-assembly of corona-functionalised polymeric arsenical nanoparticles. <i>European Polymer Journal</i> , 2021, 144, 110235. | 2.6 | 0 |