Paul Wilson

List of Publications by Year
in descending order

85 papers	4,101 citations	117453 34 h-index	118652 62 g-index
90 all docs	90 docs citations	90 times ranked	3352 citing authors

#	Article	IF	Citations
1	Aqueous electrochemically-triggered atom transfer radical polymerization. Chemical Science, 2022, 13, 5741-5749.	3.7	7
2	Current-controlled â€˜plug-and-playâ€™ electrochemical atom transfer radical polymerization of acrylamides in water. Polymer Chemistry, 2022, 13, 3460-3470.	1.9	7
3	Plug-and-play aqueous electrochemical atom transfer radical polymerization. Chemical Communications, 2021, 57, 3897-3900.	2.2	14
4	Synthesis and self-assembly of corona-functionalised polymeric arsenical nanoparticles. European Polymer Journal, 2021, 144, 110235.	2.6	0
5	Synthesis of biodegradable liquid-core microcapsules composed of isocyanate functionalized poly(Îµ-caprolactone)-containing copolymers. European Polymer Journal, 2021, 159, 110739.	2.6	2
6	UV irradiation of Cu-based complexes with aliphatic amine ligands as used in living radical polymerization. European Polymer Journal, 2020, 123, 109388.	2.6	9
7	Synthesis and [2+2]-photodimerisation of monothiomaleimide functionalised linear and brush-like polymers. Chemical Communications, 2020, 56, 9545-9548.	2.2	6
8	Functionalisation and stabilisation of polymeric arsenical nanoparticles prepared by sequential reductive and radical cross-linking. Polymer Chemistry, 2020, 11, 2519-2531.	1.9	2
9	A sequential native chemical ligation â€“ thiol-Michael addition strategy for polymerâ€“polymer ligation. Polymer Chemistry, 2019, 10, 5242-5250.	1.9	6
10	Tuning the Structure, Stability, and Responsivity of Polymeric Arsenical Nanoparticles Using Polythiol Cross-Linkers. Macromolecules, 2019, 52, 992-1003.	2.2	13
11	Microscale synthesis of multiblock copolymers using ultrafast RAFT polymerisation. Polymer Chemistry, 2019, 10, 1186-1191.	1.9	25
12	Polymeric arsenicals as scaffolds for functional and responsive hydrogels. Journal of Materials Chemistry B, 2019, 7, 4263-4271.	2.9	4
13	Thermoresponsive viscosity of polyacrylamide block copolymers synthesised via aqueous Cu-RDRP. European Polymer Journal, 2019, 114, 326-331.	2.6	5
14	Self-Assembling Proteinâ€“Polymer Bioconjugates for Surfaces with Antifouling Features and Low Nonspecific Binding. ACS Applied Materials & Interfaces, 2019, 11, 3599-3608.	4.0	21
15	High resolution visualization of the redox activity of Li₂O₂ in non-aqueous media: conformal layer vs. toroid structure. Chemical Communications, 2018, 54, 3053-3056.	2.2	23
16	Synthesis, aggregation and responsivity of block copolymers containing organic arsenicals. Polymer Chemistry, 2018, 9, 1551-1556.	1.9	12
17	Profiling the Serum Protein Corona of Fibrillar Human Islet Amyloid Polypeptide. ACS Nano, 2018, 12, 6066-6078.	7.3	39
18	Organic Arsenicals as Functional Motifs in Polymer and Biomaterials Science. Macromolecular Rapid Communications, 2018, 39, 1800205.	2.0	11

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19	Synthesis and Applications of Protein/Peptide-Polymer Conjugates. Macromolecular Chemistry and Physics, 2017, 218, 1600595.	1.1	22
20	A traceless reversible polymeric colistin prodrug to combat multidrug-resistant (MDR) gram-negative bacteria. Journal of Controlled Release, 2017, 259, 83-91.	4.8	15
21	Engineered Hydrogen-Bonded Glycopolymer Capsules and Their Interactions with Antigen Presenting Cells. ACS Applied Materials & Interfaces, 2017, 9, 6444-6452.	4.0	15
22	Specific and Differential Binding of N-Acetylgalactosamine Glycopolymers to the Human Macrophage Galactose Lectin and Asialoglycoprotein Receptor. Biomacromolecules, 2017, 18, 1624-1633.	2.6	32
23	Mussel-inspired thermoresponsive polymers with a tunable LCST by Cu(0)-LRP for the construction of smart TiO₂ nanocomposites. Polymer Chemistry, 2017, 8, 3679-3688.	1.9	13
24	Bioinspired coating of TiO₂nanoparticles with antimicrobial polymers by Cu(0)-LRP: grafting to vs. grafting from. Polymer Chemistry, 2017, 8, 6570-6580.	1.9	17
25	Reversible surface functionalisation of emulsion-templated porous polymers using dithiophenol maleimide functional macromolecules. Chemical Communications, 2017, 53, 9789-9792.	2.2	11
26	Thiol-reactive (co)polymer scaffolds comprising organic arsenical acrylamides. Chemical Communications, 2017, 53, 8447-8450.	2.2	9
27	High T g poly(ester amide)s by melt polycondensation of monomers from renewable resources; citric acid, D-glucono-Î´-lactone and amino acids: A DSC study. European Polymer Journal, 2017, 94, 11-19.	2.6	12
28	Self-assembly and disassembly of stimuli responsive tadpole-like single chain nanoparticles using a switchable hydrophilic/hydrophobic boronic acid cross-linker. Polymer Chemistry, 2017, 8, 4079-4087.	1.9	34
29	Hydrolyzable Poly[Poly(Ethylene Glycol) Methyl Ether Acrylate]â€“Colistin Prodrugs through Copper-Mediated Photoinduced Living Radical Polymerization. Bioconjugate Chemistry, 2017, 28, 1916-1924.	1.8	11
30	Comb Poly(Oligo(2â€Ethylâ€2â€Oxazoline)Methacrylate)â€Peptide Conjugates Prepared by Aqueous Cu(0)â€Mediated Polymerization and Reductive Amination. Macromolecular Rapid Communications, 2017, 38, 1600534.	2.0	22
31	Poly(2-oxazoline)-based micro- and nanoparticles: A review. European Polymer Journal, 2017, 88, 486-515.	2.6	91
32	A Hydrogelâ€Based Localized Release of Colistin for Antimicrobial Treatment of Burn Wound Infection. Macromolecular Bioscience, 2017, 17, 1600320.	2.1	51
33	Thermal study of polyester networks based on renewable monomers citric acid and gluconolactone. Polymer International, 2017, 66, 59-63.	1.6	3
34	Polyurea microcapsules from isocyanatoethyl methacrylate copolymers. Journal of Polymer Science Part A, 2016, 54, 2698-2705.	2.5	7
35	Methacrylic Zwitterionic, Thermoresponsive, and Hydrophilic (Co)Polymers via Cu(0)-Polymerization: The Importance of Halide Salt Additives. Macromolecular Rapid Communications, 2016, 37, 356-361.	2.0	19
36	Reversible Regulation of Thermoresponsive Property of Dithiomaleimide-Containing Copolymers via Sequential Thiol Exchange Reactions. ACS Macro Letters, 2016, 5, 709-713.	2.3	16

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37	Controlled aqueous polymerization of acrylamides and acrylates and â€œin situâ€•depolymerization in the presence of dissolved CO₂. Chemical Communications, 2016, 52, 6533-6536.	2.2	29
38	Stability Enhancing N-Terminal PEGylation of Oxytocin Exploiting Different Polymer Architectures and Conjugation Approaches. Biomacromolecules, 2016, 17, 2755-2766.	2.6	13
39	Surface patterning of polyacrylamide gel using scanning electrochemical cell microscopy (SECCM). Chemical Communications, 2016, 52, 9929-9932.	2.2	26
40	Well-Defined PDMAEA Stars via Cu(0)-Mediated Reversible Deactivation Radical Polymerization. Macromolecules, 2016, 49, 8914-8924.	2.2	39
41	Synthesis of well-defined catechol polymers for surface functionalization of magnetic nanoparticles. Polymer Chemistry, 2016, 7, 7002-7010.	1.9	54
42	Facile one-pot/one-step synthesis of heterotelechelic N-acylated poly(aminoester) macromonomers for carboxylic acid decorated comb polymers. Polymer Chemistry, 2016, 7, 6703-6707.	1.9	14
43	Axially Chiral Enamides: Substituent Effects, Rotation Barriers, and Implications for their Cyclization Reactions. Journal of Organic Chemistry, 2016, 81, 5547-5565.	1.7	31
44	Dual Stimuli-Responsive Comb Polymers from Modular N-Acylated Poly(aminoester)-Based Macromonomers. ACS Macro Letters, 2016, 5, 321-325.	2.3	32
45	Polymerisation of 2-acrylamido-2-methylpropane sulfonic acid sodium salt (NaAMPS) and acryloyl phosphatidylcholine (APC) via aqueous Cu(0)-mediated radical polymerisation. Polymer Chemistry, 2016, 7, 2452-2456.	1.9	23
46	Rapid Synthesis of Well-Defined Polyacrylamide by Aqueous Cu(0)-Mediated Reversible-Deactivation Radical Polymerization. Macromolecules, 2016, 49, 483-489.	2.2	67
47	Cu(0)-Mediated Living Radical Polymerization: A Versatile Tool for Materials Synthesis. Chemical Reviews, 2016, 116, 835-877.	23.0	373
48	Unprecedented Control over the Acrylate and Acrylamide Polymerization in Aqueous and Organic Media. ACS Symposium Series, 2015, , 29-45.	0.5	3
49	Hydrosilylation as an efficient tool for polymer synthesis and modification with methacrylates. RSC Advances, 2015, 5, 5879-5885.	1.7	18
50	Synthesis of well-defined Î±,Ï‰-telechelic multiblock copolymers in aqueous medium: in situ generation of Î±,Ï‰-diols. Polymer Chemistry, 2015, 6, 2226-2233.	1.9	54
51	Photo-induced living radical polymerization of acrylates utilizing a discrete copper(<scp>II</scp>)â€“formate complex. Chemical Communications, 2015, 51, 5626-5629.	2.2	70
52	Photoinduced Synthesis of Î±,Ï‰-Telechelic Sequence-Controlled Multiblock Copolymers. Macromolecules, 2015, 48, 1404-1411.	2.2	97
53	Well-Defined Protein/Peptideâ€“Polymer Conjugates by Aqueous Cu-LRP: Synthesis and Controlled Self-Assembly. Journal of the American Chemical Society, 2015, 137, 9344-9353.	6.6	84
54	Organic Arsenicals As Efficient and Highly Specific Linkers for Protein/Peptideâ€“Polymer Conjugation. Journal of the American Chemical Society, 2015, 137, 4215-4222.	6.6	71

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55	In Situ Conjugation of Dithiophenol Maleimide Polymers and Oxytocin for Stable and Reversible Polymerâ€“Peptide Conjugates. Bioconjugate Chemistry, 2015, 26, 633-638.	1.8	47
56	Novel comb polymers from alternating N-acylated poly(aminoester)s obtained by spontaneous zwitterionic copolymerisation. Chemical Communications, 2015, 51, 16213-16216.	2.2	25
57	Cu(0)-mediated living radical polymerisation in dimethyl lactamide (DML); an unusual green solvent with limited environmental impact. Polymer Chemistry, 2015, 6, 8319-8324.	1.9	19
58	Investigating the Mechanism of Copper(0)-Mediated Living Radical Polymerization in Organic Media. Macromolecules, 2015, 48, 5517-5525.	2.2	50
59	Investigating the Mechanism of Copper(0)-Mediated Living Radical Polymerization in Aqueous Media. Macromolecules, 2015, 48, 6421-6432.	2.2	49
60	Synthesis and reactivity of Î±,Ï‰-homotelechelic polymers by Cu(0)-mediated living radical polymerization. European Polymer Journal, 2015, 62, 294-303.	2.6	36
61	Sequence-controlled multi-block copolymerization of acrylamides via aqueous SET-LRP at 0 Â°C. Polymer Chemistry, 2015, 6, 406-417.	1.9	137
62	Sequence-Controlled Multi-Block Glycopolymers via Cu(0) Mediated Living Radical Polymerization. ACS Symposium Series, 2014, , 327-348.	0.5	4
63	Copper-mediated living radical polymerization (SET-LRP) of lipophilic monomers from multi-functional initiators: reducing starâ€“star coupling at high molecular weights and high monomer conversions. Polymer Chemistry, 2014, 5, 892-898.	1.9	52
64	Multiblock sequence-controlled glycopolymers via Cu(0)-LRP following efficient thiolâ€“halogen, thiolâ€“epoxy and CuAAC reactions. Polymer Chemistry, 2014, 5, 3876-3883.	1.9	101
65	Absolut â€œcopper catalyzation perfectedâ€; robust living polymerization of NIPAM: Guinness is good for SET-LRP. Polymer Chemistry, 2014, 5, 57-61.	1.9	80
66	Copper(II)/Tertiary Amine Synergy in Photoinduced Living Radical Polymerization: Accelerated Synthesis of Ï‰-Functional and Î±,Ï‰-Heterofunctional Poly(acrylates). Journal of the American Chemical Society, 2014, 136, 1141-1149.	6.6	336
67	Expanding the Scope of the Photoinduced Living Radical Polymerization of Acrylates in the Presence of CuBr₂ and Me₆-Tren. Macromolecules, 2014, 47, 3852-3859.	2.2	100
68	Aqueous Copperâ€Mediated Living Radical Polymerisation of Nâ€Acryloylmorpholine, SETâ€LRP in Water. Macromolecular Rapid Communications, 2014, 35, 965-970.	2.0	58
69	Photoinduced sequence-control via one pot living radical polymerization of acrylates. Chemical Science, 2014, 5, 3536-3542.	3.7	151
70	Synthesis and Aggregation of Double Hydrophilic Diblock Glycopolymers via Aqueous SET-LRP. ACS Macro Letters, 2014, 3, 491-495.	2.3	64
71	Magnetic nanoparticles with diblock glycopolymer shells give lectin concentration-dependent MRI signals and selective cell uptake. Chemical Science, 2014, 5, 715-726.	3.7	111
72	Copper-mediated controlled radical polymerization under biological conditions: SET-LRP in blood serum. Chemical Communications, 2013, 49, 6608.	2.2	62

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73	Conjugation-Induced Fluorescent Labeling of Proteins and Polymers Using Dithiomaleimides. Journal of the American Chemical Society, 2013, 135, 2875-2878.	6.6	106
74	The importance of ligand reactions in Cu(0)-mediated living radical polymerisation of acrylates. Polymer Chemistry, 2013, 4, 2672.	1.9	68
75	Aqueous Copper-Mediated Living Polymerization: Exploiting Rapid Disproportionation of CuBr with Me₆TREN. Journal of the American Chemical Society, 2013, 135, 7355-7363.	6.6	297
76	Polymerization of long chain [meth]acrylates by Cu(0)-mediated and catalytic chain transfer polymerisation (CCTP): high fidelity end group incorporation and modification. Polymer Chemistry, 2013, 4, 4113.	1.9	45
77	Copper(0)-mediated radical polymerisation in a self-generating biphasic system. Polymer Chemistry, 2013, 4, 106-112.	1.9	75
78	High Molecular Weight Block Copolymers by Sequential Monomer Addition via Cu(0)-Mediated Living Radical Polymerization (SET-LRP): An Optimized Approach. ACS Macro Letters, 2013, 2, 896-900.	2.3	124
79	Atom-Transfer Cyclization with CuSO₄/KBH₄: A Formal â€œActivators Generated by Electron Transferâ€•Process Also Applicable to Atom-Transfer Polymerization. Journal of Organic Chemistry, 2012, 77, 6778-6788.	1.7	25
80	Bond Rotation Dynamics of Enamides: The Effect of the Acyl Group and Potential for Chirality Transfer during 5-Endo Trig Radical Cyclizations. Journal of Organic Chemistry, 2011, 76, 4546-4551.	1.7	16
81	1,4-Aryl migration under copper(I) atom transfer conditions. Tetrahedron Letters, 2009, 50, 5609-5612.	0.7	21
82	2-Aryl propionamides via 1,4-aryl radical migration from N-arylsulfonyl-2-bromopropionamides. Tetrahedron Letters, 2009, 50, 6311-6314.	0.7	28
83	Bond Rotation Dynamics of N-Cycloalkenyl-N-benzyl Î±-Haloacetamide Derivatives. Journal of Organic Chemistry, 2009, 74, 4262-4266.	1.7	12
84	Copper mediated atom transfer radical cyclisations with AIBN. Tetrahedron Letters, 2008, 49, 4848-4850.	0.7	55
85	Regiochemistry of Copper(I)-Mediated Cyclization Reactions of Halo-dienamides. Journal of Organic Chemistry, 2007, 72, 5923-5926.	1.7	35