List of Publications by Year in descending order

122 papers	12,863 citations	31949 53 h-index	22808 112 g-index
126 all docs	126 docs citations	126 times ranked	10191 citing authors

#	Article	IF	Citations
1	Macromolecular design via reversible addition-fragmentation chain transfer (RAFT)/xanthates (MADIX) polymerization. Journal of Polymer Science Part A, 2005, 43, 5347-5393.	2.5	1,095
2	50th Anniversary Perspective: RAFT Polymerizationâ€”A User Guide. Macromolecules, 2017, 50, 7433-7447.	2.2	1,007
3	Bioapplications of RAFT Polymerization. Chemical Reviews, 2009, 109, 5402-5436.	23.0	913
4	Cellulose modification by polymer grafting: a review. Chemical Society Reviews, 2009, 38, 2046.	18.7	884
5	Smart hybrid materials by conjugation of responsive polymers to biomacromolecules. Nature Materials, 2015, 14, 143-159.	13.3	512
6	Reversible Additionâ^'Fragmentation Chain Transfer Polymerization:â€‰ End Group Modification for Functionalized Polymers and Chain Transfer Agent Recovery. Macromolecules, 2005, 38, 2033-2036.	2.2	466
7	Controlled/Living Radical Polymerization in Dispersed Systems: An Update. Chemical Reviews, 2015, 115, 9745-9800.	23.0	393
8	Origin of Inhibition Effects in the Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization of Methyl Acrylate. Macromolecules, 2002, 35, 8300-8306.	2.2	332
9	Antibacterial Cellulose Fiber via RAFT Surface Graft Polymerization. Biomacromolecules, 2008, 9, 91-99.	2.6	311
10	Hyperbranched Polymers by Thiolâ^'Yne Chemistry: From Small Molecules to Functional Polymers. Journal of the American Chemical Society, 2009, 131, 18075-18077.	6.6	280
11	One-Pot Hyperbranched Polymer Synthesis Mediated by Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization. Macromolecules, 2005, 38, 2131-2136.	2.2	273
12	The future of reversible addition fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2008, 46, 5715-5723.	2.5	265
13	'Green' reversible addition-fragmentation chain-transfer (RAFT) polymerization. Nature Chemistry, 2010, 2, 811-820.	6.6	264
14	Graft Polymerization:â€‰ Grafting Poly(styrene) from Cellulose via Reversible Additionâ^'Fragmentation Chain Transfer (RAFT) Polymerization. Macromolecules, 2005, 38, 10363-10372.	2.2	255
15	Versatile Chain Transfer Agents for Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization to Synthesize Functional Polymeric Architectures. Macromolecules, 2004, 37, 2709-2717.	2.2	196
16	Synthesis of Monocyclic and Linear Polystyrene Using the Reversible Coupling/Cleavage of Thiol/Disulfide Groups. Macromolecules, 2006, 39, 9028-9034.	2.2	152
17	Surface-Initiated Reversible Additionâ€“Fragmentation Chain Transfer (RAFT) Polymerization from Fine Particles Functionalized with Trithiocarbonates. Macromolecules, 2011, 44, 8944-8953.	2.2	140
18	Synthesis of Well-Defined Homopolymer and Diblock Copolymer Grafted onto Silica Particles by Z-Supported RAFT Polymerization. Macromolecules, 2006, 39, 8603-8608.	2.2	139

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19	Highly Branched and Hyperbranched Glycopolymers via Reversible Additionâ^'Fragmentation Chain Transfer Polymerization and Click Chemistry. Macromolecules, 2010, 43, 1438-1443.	2.2	137
20	Ultrafast RAFT polymerization: multiblock copolymers within minutes. Polymer Chemistry, 2015, 6, 1502-1511.	1.9	130
21	First report of reversible additionâ€"fragmentation chain transfer (RAFT) polymerisation in room temperature ionic liquids. Chemical Communications, 2002, , 2226-2227.	2.2	126
22	Reversible Additionâ^'Fragmentation Chain Transfer Graft Polymerization Mediated by Fumed Silica Supported Chain Transfer Agents. Macromolecules, 2007, 40, 9116-9124.	2.2	118
23	RAFT Polymerization Kinetics: Combination of Apparently Conflicting Models. Macromolecules, 2008, 41, 6400-6412.	2.2	116
24	Copper(I)-Mediated Living Radical Polymerization in the Presence of Oxyethylene Groups:Â Online1H NMR Spectroscopy To Investigate Solvent Effects. Macromolecules, 2000, 33, 8246-8251.	2.2	109
25	Branched and Dendritic Polymer Architectures: Functional Nanomaterials for Therapeutic Delivery. Advanced Functional Materials, 2020, 30, 1901001.	7.8	109
26	Selective One-Pot Synthesis of Trithiocarbonates, Xanthates, and Dithiocarbamates for Use in RAFT/MADIX Living Radical Polymerizations. Organic Letters, 2006, 8, 553-556.	2.4	106
27	Reversible Additionâ^'Fragmentation Chain Transfer Polymerization Mediated by a Solid Supported Chain Transfer Agent. Macromolecules, 2005, 38, 6770-6774.	2.2	105
28	Living Radical Polymerization of Isoprene via the RAFT Process. Macromolecules, 2007, 40, 1408-1412.	2.2	105
29	Hyperbranched alternating block copolymers using thiolâ€"yne chemistry: materials with tuneable properties. Chemical Communications, 2011, 47, 239-241.	2.2	100
30	One-Pot RAFT/â€œClickâ€•Chemistry via Isocyanates: Efficient Synthesis of Î±-End-Functionalized Polymers. Journal of the American Chemical Society, 2012, 134, 12596-12603.	6.6	97
31	Successful Dispersion Polymerization in Supercritical CO₂ Using Polyvinylalkylate Hydrocarbon Surfactants Synthesized and Anchored via RAFT. Journal of the American Chemical Society, 2008, 130, 12242-12243.	6.6	96
32	â€œClickâ€•Chemistry and Radical Polymerization: Potential Loss of Orthogonality. Macromolecules, 2008, 41, 6728-6732.	2.2	94
33	Copper(I)-mediated radical polymerization of methacrylates in aqueous solution. Journal of Polymer Science Part A, 2001, 39, 1696-1707.	2.5	91
34	Janus cyclic peptideâ€"polymer nanotubes. Nature Communications, 2013, 4, 2780.	5.8	89
35	Synthesis of naturalâ€"synthetic hybrid materials from cellulose via the RAFT process. Soft Matter, 2008, 4, 145-155.	1.2	86
36	Thermo-responsive Poly(methyl methacrylate)-block-poly(N-isopropylacrylamide) Block Copolymers Synthesized by RAFT Polymerization: Micellization and Gelation. Macromolecular Chemistry and Physics, 2006, 207, 1718-1726.	1.1	85

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37	Influence of reaction parameters on the synthesis of hyperbranched polymers via reversible addition fragmentation chain transfer (RAFT) polymerization. Polymer, 2005, 46, 6293-6299.	1.8	83
38	RAFT polymerization kinetics: How long are the crossâ€terminating oligomers?. Journal of Polymer Science Part A, 2009, 47, 3455-3466.	2.5	82
39	Thermoresponsive micelles from well-defined block copolymers synthesized via reversible addition-fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2005, 43, 3643-3654.	2.5	81
40	Modular design for the controlled production of polymeric nanotubes from polymer/peptide conjugates. Polymer Chemistry, 2011, 2, 1956.	1.9	81
41	Synthesis of silicaâ€“polymer coreâ€“shell nanoparticles by reversible additionâ€“fragmentation chain transfer polymerization. Chemical Communications, 2013, 49, 9077.	2.2	81
42	Original approach to multiblock copolymers via reversible additionâ€“fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2007, 45, 2334-2340.	2.5	79
43	Orthogonal â€œRelayâ€•Reactions for Designing Functionalized Soft Nanoparticles. Journal of the American Chemical Society, 2009, 131, 1889-1895.	6.6	77
44	Synthetic Strategies for the Design of Peptide/Polymer Conjugates. Polymer Reviews, 2011, 51, 214-234.	5.3	77
45	Sequenceâ€Controlled Multiblock Copolymers via RAFT Polymerization: Modeling and Simulations. Macromolecular Theory and Simulations, 2014, 23, 331-339.	0.6	70
46	Hyperbranched Polymers with High Degrees of Branching and Low Dispersity Values: Pushing the Limits of Thiolâ€“Yne Chemistry. Macromolecules, 2016, 49, 1296-1304.	2.2	69
47	Reversible additionâ€“fragmentation chain transfer polymerization of methacrylate, acrylate and styrene monomers in 1-alkyl-3-methylimidazolium hexfluorophosphate. European Polymer Journal, 2003, 39, 417-422.	2.6	68
48	Thermal stability of reversible addition-fragmentation chain transfer/macromolecular architecture design by interchange of xanthates chain-transfer agents. Journal of Polymer Science Part A, 2006, 44, 6980-6987.	2.5	63
49	Ultra-fast microwave enhanced reversible addition-fragmentation chain transfer (RAFT) polymerization: monomers to polymers in minutes. Chemical Communications, 2007, , 2145.	2.2	63
50	Synthesis and Immunological Evaluation of Selfâ€Assembling and Selfâ€Adjuvanting Tricomponent Glycopeptide Cancerâ€Vaccine Candidates. Chemistry - A European Journal, 2012, 18, 16540-16548.	1.7	63
51	Design of complex polymeric architectures and nanostructured materials/hybrids by living radical polymerization of hydroxylated monomers. Polymer Chemistry, 2011, 2, 270-288.	1.9	61
52	Microwave-Accelerated RAFT Polymerization of Polar Monomers. Macromolecular Rapid Communications, 2007, 28, 478-483.	2.0	58
53	Synthesis of silica-polymer hybrids by combination of RAFT polymerization and azide-alkyne cycloaddition â€˜clickâ€™ reactions. Polymer Chemistry, 2010, 1, 1615.	1.9	55
54	Unexpected behavior of polydimethylsiloxane/poly(2-(dimethylamino)ethyl acrylate) (charged) amphiphilic block copolymers in aqueous solution. Polymer Chemistry, 2013, 4, 2140.	1.9	54

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55	Copper(0)â€Mediated Living Radical Polymerization of Methyl Methacrylate in a Nonâ€polar Solvent. Macromolecular Rapid Communications, 2010, 31, 1276-1280.	2.0	53
56	Preparation of Fluorinated Copolymers by Copper-Mediated Living Radical Polymerization. Macromolecules, 2003, 36, 9042-9049.	2.2	52
57	Synthesis of Self-assembling Cyclic Peptide-polymer Conjugates using Click Chemistry. Australian Journal of Chemistry, 2010, 63, 1169.	0.5	51
58	Preparation of fluorinated methacrylic copolymers by copper mediated living radical polymerization. Tetrahedron, 2002, 58, 4053-4059.	1.0	49
59	Polymer Architecturesvia Reversible Addition Fragmentation Chain Transfer(RAFT) Polymerization. Macromolecular Symposia, 2004, 216, 23-36.	0.4	48
60	Obtaining Kinetic Information from the Chain-Length Distribution of Polymers Produced by RAFT. Journal of Physical Chemistry B, 2009, 113, 7086-7094.	1.2	48
61	Waterâ€Soluble and pHâ€Responsive Polymeric Nanotubes from Cyclic Peptide Templates. Chemistry - A European Journal, 2013, 19, 1955-1961.	1.7	48
62	pH- and thermo-multi-responsive fluorescent micelles from block copolymers via reversible addition fragmentation chain transfer (RAFT) polymerization. Polymer, 2009, 50, 4151-4158.	1.8	46
63	Spatially Controlled Photochemical Peptide and Polymer Conjugation on Biosurfaces. Biomacromolecules, 2013, 14, 4340-4350.	2.6	46
64	A Facile Route to Functional Hyperbranched Polymers by Combining Reversible Additionâ€“Fragmentation Chain Transfer Polymerization, Thiolâ€“Yne Chemistry, and Postpolymerization Modification Strategies. ACS Macro Letters, 2013, 2, 366-370.	2.3	43
65	Synthesis of a cellulose supported chain transfer agent and its application to RAFT polymerization. Journal of Polymer Science Part A, 2010, 48, 4361-4365.	2.5	42
66	Multiâ€shell Soft Nanotubes from Cyclic Peptide Templates. Advanced Materials, 2013, 25, 1170-1172.	11.1	42
67	Hyperbranched poly(ethylenimine-co-oxazoline) by thiolâ€“yne chemistry for non-viral gene delivery: investigating the role of polymer architecture. Polymer Chemistry, 2019, 10, 1202-1212.	1.9	42
68	Merrifield Resin-Supported Chain Transfer Agents, Precursors for RAFT Polymerization. Organic Letters, 2005, 7, 3449-3452.	2.4	41
69	Synthesis of well-defined conjugated copolymers by RAFT polymerization using cysteine and glutathione-based chain transfer agents. Chemical Communications, 2007, , 4294.	2.2	41
70	Poly(ethylene glycol) as solvent for transition metal mediated living radical polymerisationElectronic supplementary information (ESI) available: experimental data. See http://www.rsc.org/suppdata/cc/b3/b313061d/. Chemical Communications, 2004, , 604.	2.2	39
71	Synthesis of Polystyrene-Based Hyperbranched Polymers by Thiolâ€“Yne Chemistry: A Detailed Investigation. Macromolecules, 2014, 47, 6697-6705.	2.2	39
72	Facile synthesis of starâ€shaped copolymers via combination of RAFT and ring opening polymerization. Journal of Polymer Science Part A, 2009, 47, 6396-6408.	2.5	38

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73	Tunable Selfâ€Assembly of Triazoleâ€Linked Porphyrinâ€“Polymer Conjugates. Chemistry - A European Journal, 2013, 19, 12759-12770.	1.7	38
74	Solid-Supported MADIX Polymerization of Vinyl Acetate. Macromolecules, 2008, 41, 7071-7078.	2.2	36
75	Pushing the limits of copper mediated azideâ€“alkyne cycloaddition (CuAAC) to conjugate polymeric chains to cyclic peptides. Polymer Chemistry, 2012, 3, 1820.	1.9	36
76	Anionic multiblock core cross-linked star copolymers via RAFT polymerization. Polymer Chemistry, 2017, 8, 5513-5524.	1.9	35
77	Novel Amide-Based Chain Transfer Agent for Reversible Addition Fragmentation Chain Transfer Polymerization. Macromolecules, 2005, 38, 1057-1060.	2.2	34
78	Polymerâ€“peptide chimeras for the multivalent display of immunogenic peptides. Chemical Communications, 2010, 46, 2188.	2.2	34
79	The structure of randomly branched polymers synthesized by living radical methods. Polymer Chemistry, 2010, 1, 1067.	1.9	33
80	Well-defined hyperstar copolymers based on a thiolâ€“yne hyperbranched core and a poly(2-oxazoline) shell for biomedical applications. Polymer Chemistry, 2017, 8, 2041-2054.	1.9	32
81	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
82	Poly(ethylene glycol) as a 'green solventâ€™ for the RAFT polymerization of methyl methacrylate. Polymer, 2010, 51, 3836-3842.	1.8	30
83	Origin of Initial Uncontrolled Polymerization and Its Suppression in the Copper(0)-Mediated Living Radical Polymerization of Methyl Acrylate in a Nonpolar Solvent. Macromolecules, 2011, 44, 8034-8041.	2.2	30
84	Fluorescent bowl-shaped nanoparticles from â€˜clickedâ€™ porphyrinâ€“polymer conjugates. Polymer Chemistry, 2014, 5, 4016-4021.	1.9	30
85	Synthesis of Poly(methyl acrylate) Grafted onto Silica Particles by Z-supported RAFT Polymerization. Macromolecular Symposia, 2007, 248, 94-103.	0.4	29
86	One-pot ATRP synthesis of a triple hydrophilic block copolymer with dual LCSTs and its thermo-induced association behavior. Soft Matter, 2012, 8, 9526.	1.2	29
87	Altering Peptide Fibrillization by Polymer Conjugation. Biomacromolecules, 2012, 13, 2739-2747.	2.6	29
88	Cationic and hydrolysable branched polymers by RAFT for complexation and controlled release of dsRNA. Polymer Chemistry, 2018, 9, 4025-4035.	1.9	29
89	RAFT Graft Polymerization of 2-(Dimethylaminoethyl) Methacrylate onto Cellulose Fibre. Australian Journal of Chemistry, 2006, 59, 737.	0.5	28
90	The synthesis of well-defined poly(vinylbenzyl chloride)-grafted nanoparticles via RAFT polymerization. Beilstein Journal of Organic Chemistry, 2013, 9, 1226-1234.	1.3	28

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91	â€œClickableâ€•polymers via a combination of RAFT polymerization and isocyanate chemistry. Journal of Polymer Science Part A, 2011, 49, 2771-2782.	2.5	27
92	SuFEx â€“ a selectively triggered chemistry for fast, efficient and equimolar polymerâ€“polymer coupling reactions. Polymer Chemistry, 2017, 8, 7475-7485.	1.9	27
93	Investigation of the Experimental Factors Affecting the Trithiocarbonate-Mediated RAFT Polymerization of Methyl Acrylate. Australian Journal of Chemistry, 2007, 60, 772.	0.5	25
94	Synthesis of mannosylated and PEGylated nanoparticles via RAFT emulsion polymerisation, and investigation of particle-lectin aggregation using turbidimetric and DLS techniques. Polymer, 2016, 106, 229-237.	1.8	25
95	Development of a Gemcitabine-Polymer Conjugate with Prolonged Cytotoxicity against a Pancreatic Cancer Cell Line. ACS Macro Letters, 2017, 6, 535-540.	2.3	24
96	Self-assembling macromolecular chimeras: controlling fibrillization of a Î²-sheet forming peptide by polymer conjugation. Soft Matter, 2011, 7, 3754.	1.2	23
97	Short chain amphiphilic diblock coâ€oligomers via RAFT polymerization. Journal of Polymer Science Part A, 2012, 50, 187-198.	2.5	23
98	Photonic porous silicon as a pH sensor. Nanoscale Research Letters, 2014, 9, 420.	3.1	23
99	Design, synthesis and thermal behaviour of a series of well-defined clickable and triggerable sulfonate polymers. RSC Advances, 2015, 5, 66554-66562.	1.7	23
100	Searching for Stars: Selective Desulfurization and Fluorescence Spectroscopy as New Tools in the Search for Cross Termination Side-products in RAFT Polymerization. Australian Journal of Chemistry, 2009, 62, 1533.	0.5	19
101	Describing the Structure of a Randomly Hyperbranched Polymer. Macromolecular Theory and Simulations, 2010, 19, 219-227.	0.6	17
102	Study of (Cyclic Peptide)â€“Polymer Conjugate Assemblies by Smallâ€Angle Neutron Scattering. Chemistry - A European Journal, 2016, 22, 18419-18428.	1.7	16
103	Assessment of the influence of microwave irradiation on conventional and RAFT radical polymerization of styrene. Polymer Chemistry, 2012, 3, 2801.	1.9	15
104	Novel polymers from atom transfer polymerisation mediated by copper(I) Schiff base complexes. Macromolecular Symposia, 2000, 157, 201-208.	0.4	14
105	Supramolecular hybrids of cellulose and synthetic polymers. Polymer Chemistry, 2012, 3, 3266.	1.9	14
106	Construction of temperature responsive hybrid crosslinked selfâ€assemblies based on PEGâ€bâ€P(MMAâ€coâ€MPMA)â€bâ€PNIPAAm triblock copolymer: ATRP synthesis and thermoinduced association behavior. Journal of Polymer Science Part A, 2011, 49, 1809-1820.	2.5	13
107	Thermoresponsive behavior of amphiphilic diblock co-oligomers of ethylene glycol and styrene in aqueous solution. Soft Matter, 2013, 9, 7007.	1.2	12
108	A study on the preparation of alkyne functional nanoparticlesviaRAFT emulsion polymerisation. Polymer Chemistry, 2019, 10, 1452-1459.	1.9	12

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109	Dual pH-Responsive Macrophage-Targeted Isoniazid Glycoparticles for Intracellular Tuberculosis Therapy. Biomacromolecules, 2021, 22, 3756-3768.	2.6	12
110	Surface structure of thin asymmetric PS-b-PMMA diblock copolymers investigated by atomic force microscopy. European Polymer Journal, 2007, 43, 789-796.	2.6	9
111	'Pseudo-star' Copolymers Formed by a Combination of RAFT Polymerization and Isocyanate-Coupling. Australian Journal of Chemistry, 2011, 64, 1047.	0.5	9
112	Hierarchical Assembly of Branched Supramolecular Polymers from (Cyclic Peptide)â€“Polymer Conjugates. Biomacromolecules, 2014, 15, 4002-4011.	2.6	8
113	Reversible Addition-Fragmentation Chain Transfer Polymerization from Surfaces. Advances in Polymer Science, 2015, , 77-106.	0.4	8
114	Branched poly (trimethylphosphonium ethylacrylateâ€coâ€PEGA) by RAFT: alternative to cationic polyammoniums for nucleic acid complexation. Journal of Interdisciplinary Nanomedicine, 2018, 3, 164-174.	3.6	8
115	Investigation of polymer blends of polyamide-6 and poly(methyl methacrylate) synthesized by RAFT polymerization. Polymer Bulletin, 2011, 66, 1089-1098.	1.7	7
116	Modeling highly branched structures: Description of the solution structures of dendrimers, polyglycerol, and glycogen. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1525-1538.	2.4	7
117	In Situ NMR Monitoring of Living Radical Polymerization. , 2003, , 125-146.		5
118	Control of block copolymer morphology: An example of selective morphology induced by selfâ€assembly formation condition. Journal of Polymer Science Part A, 2009, 47, 6783-6788.	2.5	4
119	Synthesis of Subâ€100 nm Glycosylated Nanoparticles via a One Step, Free Radical, and Surfactant Free Emulsion Polymerization. Macromolecular Rapid Communications, 2018, 39, e1800122.	2.0	4
120	RAFT Polymerization: A Powerful Tool for the Synthesis and Study of Oligomers. ACS Symposium Series, 2012, , 13-25.	0.5	3
121	Peptideâ€“Polymer Conjugates: Synthetic Design Strategies. , 0, , 5892-5906.		0
122	Peptideâ€“Polymer Conjugates: Synthetic Design Strategies. , 2017, , 1289-1303.		0