Cyrille A Boyer

List of Publications by Year
in descending order

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377 papers	31,994 citations	2098 100 h-index	6294 158 g-index
393 all docs	393 docs citations	393 times ranked	19410 citing authors

#	Article	IF	Citations
1	Bioapplications of RAFT Polymerization. Chemical Reviews, 2009, 109, 5402-5436.	23.0	913
2	A Robust and Versatile Photoinduced Living Polymerization of Conjugated and Unconjugated Monomers and Its Oxygen Tolerance. Journal of the American Chemical Society, 2014, 136, 5508-5519.	6.6	801
3	Star Polymers. Chemical Reviews, 2016, 116, 6743-6836.	23.0	653
4	Photocatalysis in organic and polymer synthesis. Chemical Society Reviews, 2016, 45, 6165-6212.	18.7	587
5	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
6	Use of Iodocompounds in Radical Polymerization. Chemical Reviews, 2006, 106, 3936-3962.	23.0	458
7	Seeing the Light: Advancing Materials Chemistry through Photopolymerization. Angewandte Chemie - International Edition, 2019, 58, 5170-5189.	7.2	444
8	Exploiting Metalloporphyrins for Selective Living Radical Polymerization Tunable over Visible Wavelengths. Journal of the American Chemical Society, 2015, 137, 9174-9185.	6.6	427
9	Emerging Trends in Polymerization-Induced Self-Assembly. ACS Macro Letters, 2019, 8, 1029-1054.	2.3	423
10	The design and utility of polymer-stabilized iron-oxide nanoparticles for nanomedicine applications. NPG Asia Materials, 2010, 2, 23-30.	3.8	408
11	Copper-Mediated Living Radical Polymerization (Atom Transfer Radical Polymerization and Copper(0)) Tj ETQq1 1 0.784314 rgBT /Ov 1803-1949.	23.0	405
12	Well-Defined Proteinâ^'Polymer Conjugates via in Situ RAFT Polymerization. Journal of the American Chemical Society, 2007, 129, 7145-7154.	6.6	392
13	Organo-photocatalysts for photoinduced electron transfer-reversible additionâ€“fragmentation chain transfer (PET-RAFT) polymerization. Polymer Chemistry, 2015, 6, 5615-5624.	1.9	368
14	Up in the air: oxygen tolerance in controlled/living radical polymerisation. Chemical Society Reviews, 2018, 47, 4357-4387.	18.7	313
15	High-Order Multiblock Copolymers via Iterative Cu(0)-Mediated Radical Polymerizations (SET-LRP): Toward Biological Precision. Journal of the American Chemical Society, 2011, 133, 11128-11131.	6.6	308
16	Photoinitiated Polymerizationâ€Induced Selfâ€Assembly (Photoâ€PISA): New Insights and Opportunities. Advanced Science, 2017, 4, 1700137.	5.6	305
17	Pair correlation microscopy reveals the role of nanoparticle shape in intracellular transport and site of drug release. Nature Nanotechnology, 2017, 12, 81-89.	15.6	295
18	Building nanostructures using RAFT polymerization. Journal of Polymer Science Part A, 2011, 49, 551-595.	2.5	294

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19	Lightâ€Regulated Polymerization under Nearâ€Infrared/Farâ€Red Irradiation Catalyzed by Bacteriochlorophyllâ€…a. Angewandte Chemie - International Edition, 2016, 55, 1036-1040.	7.2	294
20	Polymerization-Induced Self-Assembly (PISA) â€“ control over the morphology of nanoparticles for drug delivery applications. Polymer Chemistry, 2014, 5, 350-355.	1.9	287
21	Oxygen Tolerance Study of Photoinduced Electron Transferâ€“Reversible Additionâ€“Fragmentation Chain Transfer (PET-RAFT) Polymerization Mediated by Ru(bpy)₃Cl₂. Macromolecules, 2014, 47, 4217-4229.	2.2	270
22	Selective Photoactivation: From a Single Unit Monomer Insertion Reaction to Controlled Polymer Architectures. Journal of the American Chemical Society, 2016, 138, 3094-3106.	6.6	250
23	Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization. Advanced Science, 2016, 3, 1500394.	5.6	249
24	Polymerization-Induced Self-Assembly Using Visible Light Mediated Photoinduced Electron Transferâ€“Reversible Additionâ€“Fragmentation Chain Transfer Polymerization. ACS Macro Letters, 2015, 4, 984-990.	2.3	235
25	Investigation into thiol-(meth)acrylate Michael addition reactions using amine and phosphine catalysts. Polymer Chemistry, 2010, 1, 1196.	1.9	228
26	Modification of RAFTâ€polymers via thiolâ€ene reactions: A general route to functional polymers and new architectures. Journal of Polymer Science Part A, 2009, 47, 3773-3794.	2.5	225
27	Utilizing the electron transfer mechanism of chlorophyll a under light for controlled radical polymerization. Chemical Science, 2015, 6, 1341-1349.	3.7	218
28	Photoinduced Electron Transferâ€“Reversible Additionâ€“Fragmentation Chain Transfer (PET-RAFT) Polymerization of Vinyl Acetate and N-Vinylpyrrolidinone: Kinetic and Oxygen Tolerance Study. Macromolecules, 2014, 47, 4930-4942.	2.2	216
29	Thermosensitive graphene nanocomposites formed using pyreneâ€terminal polymers made by RAFT polymerization. Journal of Polymer Science Part A, 2010, 48, 425-433.	2.5	215
30	Antimicrobial polymeric nanoparticles. Progress in Polymer Science, 2018, 76, 40-64.	11.8	214
31	Synthesis, Characterization, and Multilayer Assembly of pH Sensitive Grapheneâ^'Polymer Nanocomposites. Langmuir, 2010, 26, 10068-10075.	1.6	204
32	Aqueous photoinduced living/controlled polymerization: tailoring for bioconjugation. Chemical Science, 2014, 5, 3568.	3.7	196
33	Visible Light-Mediated Polymerization-Induced Self-Assembly in the Absence of External Catalyst or Initiator. ACS Macro Letters, 2016, 5, 558-564.	2.3	188
34	Oxygen Tolerance in Living Radical Polymerization: Investigation of Mechanism and Implementation in Continuous Flow Polymerization. Macromolecules, 2016, 49, 6779-6789.	2.2	188
35	Design and Synthesis of Dual Thermoresponsive and Antifouling Hybrid Polymer/Gold Nanoparticles. Macromolecules, 2009, 42, 6917-6926.	2.2	187
36	Oxygen tolerant photopolymerization for ultralow volumes. Polymer Chemistry, 2017, 8, 5012-5022.	1.9	187

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37	Stability and utility of pyridyl disulfide functionality in RAFT and conventional radical polymerizations. Journal of Polymer Science Part A, 2008, 46, 7207-7224.	2.5	182
38	RAFT Polymerization and Thiol Chemistry: A Complementary Pairing for Implementing Modern Macromolecular Design. Macromolecular Rapid Communications, 2011, 32, 1123-1143.	2.0	182
39	Photoacid-mediated ring opening polymerization driven by visible light. Chemical Communications, 2016, 52, 7126-7129.	2.2	182
40	Lanthanideâ€Doped Upconversion Nanoparticles: Emerging Intelligent Lightâ€Activated Drug Delivery Systems. Advanced Science, 2016, 3, 1500437.	5.6	179
41	Recent advances in stimuli-responsive polymer systems for remotely controlled drug release. Progress in Polymer Science, 2019, 99, 101164.	11.8	177
42	Doxorubicin loaded dual pH- and thermo-responsive magnetic nanocarrier for combined magnetic hyperthermia and targeted controlled drug delivery applications. Nanoscale, 2016, 8, 12152-12161.	2.8	173
43	Synthesis of Complex Multiblock Copolymers via a Simple Iterative Cu(0)-Mediated Radical Polymerization Approach. Macromolecules, 2011, 44, 8028-8033.	2.2	172
44	PET-RAFT polymerisation: towards green and precision polymer manufacturing. Chemical Communications, 2018, 54, 6591-6606.	2.2	171
45	A Versatile 3D and 4D Printing System through Photocontrolled RAFT Polymerization. Angewandte Chemie, 2019, 131, 18122-18131.	1.6	169
46	Synthesis of Discrete Oligomers by Sequential PETâ€RAFT Singleâ€Unit Monomer Insertion. Angewandte Chemie - International Edition, 2017, 56, 8376-8383.	7.2	165
47	An Oxygenâ€Tolerant PETâ€RAFT Polymerization for Screening Structureâ€“Activity Relationships. Angewandte Chemie - International Edition, 2018, 57, 1557-1562.	7.2	163
48	A Versatile 3D and 4D Printing System through Photocontrolled RAFT Polymerization. Angewandte Chemie - International Edition, 2019, 58, 17954-17963.	7.2	161
49	Using Fluorescence Lifetime Imaging Microscopy to Monitor Theranostic Nanoparticle Uptake and Intracellular Doxorubicin Release. ACS Nano, 2013, 7, 10175-10189.	7.3	160
50	Efficient Usage of Thiocarbonates for Both the Production and the Biofunctionalization of Polymers. Macromolecular Rapid Communications, 2009, 30, 493-497.	2.0	159
51	Co-delivery of nitric oxide and antibiotic using polymeric nanoparticles. Chemical Science, 2016, 7, 1016-1027.	3.7	158
52	Iodine Transfer Polymerization (ITP) of Vinylidene Fluoride (VDF). Influence of the Defect of VDF Chaining on the Control of ITP. Macromolecules, 2005, 38, 10353-10362.	2.2	157
53	The stabilization and bio-functionalization of iron oxide nanoparticles using heterotelechelic polymers. Journal of Materials Chemistry, 2009, 19, 111-123.	6.7	157
54	Direct Synthesis of Well-Defined Heterotelechelic Polymers for Bioconjugations. Macromolecules, 2008, 41, 5641-5650.	2.2	156

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55	Waterâ€soluble, thermoresponsive, hyperbranched copolymers based on PEGâ€methacrylates: Synthesis, characterization, and LCST behavior. Journal of Polymer Science Part A, 2010, 48, 2783-2792.	2.5	156
56	Stereo-, Temporal and Chemical Control through Photoactivation of Living Radical Polymerization: Synthesis of Block and Gradient Copolymers. Journal of the American Chemical Society, 2015, 137, 9988-9999.	6.6	155
57	Combining Thioâ^'Bromo â€œClickâ€•Chemistry and RAFT Polymerization: A Powerful Tool for Preparing Functionalized Multiblock and Hyperbranched Polymers. Macromolecules, 2010, 43, 20-24.	2.2	153
58	Visible Light Photocatalytic Thiolâ€“Ene Reaction: An Elegant Approach for Fast Polymer Postfunctionalization and Step-Growth Polymerization. Macromolecules, 2015, 48, 520-529.	2.2	147
59	Towards Sequenceâ€Controlled Antimicrobial Polymers: Effect of Polymer Block Order on Antimicrobial Activity. Angewandte Chemie - International Edition, 2018, 57, 4559-4564.	7.2	145
60	Application of oxygen tolerant PET-RAFT to polymerization-induced self-assembly. Polymer Chemistry, 2017, 8, 2841-2851.	1.9	142
61	Progress and Perspectives Beyond Traditional RAFT Polymerization. Advanced Science, 2020, 7, 2001656.	5.6	139
62	Synthesis of Functional Core, Star Polymers via RAFT Polymerization for Drug Delivery Applications. Macromolecular Rapid Communications, 2012, 33, 760-766.	2.0	136
63	A Polymerization-Induced Self-Assembly Approach to Nanoparticles Loaded with Singlet Oxygen Generators. Macromolecules, 2016, 49, 7277-7285.	2.2	135
64	Synthesis of Versatile Thiol-Reactive Polymer Scaffolds via RAFT Polymerization. Biomacromolecules, 2008, 9, 1934-1944.	2.6	134
65	Rational Design of Single-Chain Polymeric Nanoparticles That Kill Planktonic and Biofilm Bacteria. ACS Infectious Diseases, 2017, 3, 237-248.	1.8	134
66	Reverse Iodine Transfer Polymerization (RITP) of Methyl Methacrylate. Macromolecules, 2006, 39, 4044-4053.	2.2	133
67	Macromolecular Ligands for Gadolinium MRI Contrast Agents. Macromolecules, 2012, 45, 4196-4204.	2.2	133
68	Functional Iron Oxide Magnetic Nanoparticles with Hyperthermiaâ€Induced Drug Release Ability by Using a Combination of Orthogonal Click Reactions. Angewandte Chemie - International Edition, 2013, 52, 14152-14156.	7.2	133
69	Photocontrolled Living Polymerization Systems with Reversible Deactivations through Electron and Energy Transfer. Macromolecular Rapid Communications, 2017, 38, 1700143.	2.0	133
70	Controlling Molecular Weight Distributions through Photoinduced Flow Polymerization. Macromolecules, 2017, 50, 8438-8448.	2.2	132
71	One- pot synthesis and biofunctionalization of glycopolymers via RAFT polymerization and thiolâ€“ene reactions. Chemical Communications, 2009, , 6029.	2.2	130
72	Intracellular nitric oxide delivery from stable NO-polymeric nanoparticle carriers. Chemical Communications, 2013, 49, 4190-4192.	2.2	130

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73	Photo-responsive supramolecular hyaluronic acid hydrogels for accelerated wound healing. Journal of Controlled Release, 2020, 323, 24-35.	4.8	128
74	Color-Coding Visible Light Polymerizations To Elucidate the Activation of Trithiocarbonates Using Eosin Y. Macromolecules, 2018, 51, 1370-1376.	2.2	126
75	SI-PET-RAFT: Surface-Initiated Photoinduced Electron Transfer-Reversible Additionâ€“Fragmentation Chain Transfer Polymerization. ACS Macro Letters, 2019, 8, 374-380.	2.3	125
76	Designing with Light: Advanced 2D, 3D, and 4D Materials. Advanced Materials, 2020, 32, e1903850.	11.1	125
77	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
78	Anti-fouling magnetic nanoparticles for siRNA delivery. Journal of Materials Chemistry, 2010, 20, 255-265.	6.7	123
79	Porphyrinic Zirconium Metalâ€“Organic Frameworks (MOFs) as Heterogeneous Photocatalysts for PETâ€RAFT Polymerization and Stereolithography. Angewandte Chemie - International Edition, 2021, 60, 5489-5496.	7.2	122
80	Aqueous RAFT Photopolymerization with Oxygen Tolerance. Macromolecules, 2016, 49, 9345-9357.	2.2	121
81	In Vitro Cytotoxicity of RAFT Polymers. Biomacromolecules, 2010, 11, 412-420.	2.6	120
82	Enhancing the therapeutic effects of polyphenols with macromolecules. Polymer Chemistry, 2016, 7, 1529-1544.	1.9	120
83	Synthesis of multi-block copolymer stars using a simple iterative Cu(0)-mediated radical polymerization technique. Polymer Chemistry, 2012, 3, 117-123.	1.9	116
84	A Photoinitiation System for Conventional and Controlled Radical Polymerization at Visible and NIR Wavelengths. Macromolecules, 2016, 49, 3274-3285.	2.2	116
85	Nanoparticle (Star Polymer) Delivery of Nitric Oxide Effectively Negates Pseudomonas aeruginosa Biofilm Formation. Biomacromolecules, 2014, 15, 2583-2589.	2.6	113
86	Optimizing the generation of narrow polydispersity â€˜arm-firstâ€™ star polymers made using RAFT polymerization. Polymer Chemistry, 2011, 2, 1671.	1.9	111
87	Dextran-Based Doxorubicin Nanocarriers with Improved Tumor Penetration. Biomacromolecules, 2014, 15, 262-275.	2.6	111
88	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
89	Recent advances in nitric oxide delivery for antimicrobial applications using polymer-based systems. Journal of Materials Chemistry B, 2018, 6, 2945-2959.	2.9	111
90	Functional, star polymeric molecular carriers, built from biodegradable microgel/nanogel cores. Chemical Communications, 2011, 47, 1449-1451.	2.2	110

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91	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
92	Temperature-Responsive Self-Assembled Monolayers of Oligo(ethylene glycol): Control of Biomolecular Recognition. ACS Nano, 2008, 2, 757-765.	7.3	109
93	Seeing the Light: Advancing Materials Chemistry through Photopolymerization. Angewandte Chemie, 2019, 131, 5224-5243.	1.6	108
94	Catalyst-Free Visible Light-Induced RAFT Photopolymerization. ACS Symposium Series, 2015, , 247-267.	0.5	107
95	Rational Design of Photocatalysts for Controlled Polymerization: Effect of Structures on Photocatalytic Activities. Chemical Reviews, 2022, 122, 5476-5518.	23.0	106
96	Visible Light-Mediated Polymerization-Induced Self-Assembly Using Continuous Flow Reactors. Macromolecules, 2018, 51, 5165-5172.	2.2	105
97	Guiding the Design of Organic Photocatalyst for PET-RAFT Polymerization: Halogenated Xanthene Dyes. Macromolecules, 2019, 52, 236-248.	2.2	105
98	In Situ Formation of Polymerâ€“Gold Composite Nanoparticles with Tunable Morphologies. ACS Macro Letters, 2014, 3, 591-596.	2.3	104
99	Heterogeneous Photocatalysis as a Means for Improving Recyclability of Organocatalyst in â€œLivingâ€• Radical Polymerization. Macromolecules, 2018, 51, 779-790.	2.2	104
100	Copolymers with Controlled Molecular Weight Distributions and Compositional Gradients through Flow Polymerization. Macromolecules, 2018, 51, 4553-4563.	2.2	104
101	Kinetics of the iodine transfer polymerization of vinylidene fluoride. Journal of Polymer Science Part A, 2006, 44, 5763-5777.	2.5	103
102	Poly(vinylidene fluoride)-b-poly(styrene) Block Copolymers by Iodine Transfer Polymerization (ITP):â€‰ Synthesis, Characterization, and Kinetics of ITP. Macromolecules, 2006, 39, 8639-8651.	2.2	101
103	Acid Degradable and Biocompatible Polymeric Nanoparticles for the Potential Codelivery of Therapeutic Agents. Macromolecules, 2011, 44, 8008-8019.	2.2	101
104	2-(Methylthio)ethyl Methacrylate: A Versatile Monomer for Stimuli Responsiveness and Polymerization-Induced Self-Assembly in the Presence of Air. ACS Macro Letters, 2017, 6, 1237-1244.	2.3	101
105	Biodegradable 2D Feâ€“Al Hydroxide for Nanocatalytic Tumorâ€Đynamic Therapy with Tumor Specificity. Advanced Science, 2018, 5, 1801155.	5.6	100
106	Iron oxide nanoparticle-mediated hyperthermia stimulates dispersal in bacterial biofilms and enhances antibiotic efficacy. Scientific Reports, 2015, 5, 18385.	1.6	97
107	The Use of Nanoparticles to Deliver Nitric Oxide to Hepatic Stellate Cells for Treating Liver Fibrosis and Portal Hypertension. Small, 2015, 11, 2291-2304.	5.2	97
108	RAFT Polymer End-Group Modification and Chain Coupling/Conjugation Via Disulfide Bonds. Australian Journal of Chemistry, 2009, 62, 830.	0.5	96

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109	Effective Delivery of siRNA into Cancer Cells and Tumors Using Well-Defined Biodegradable Cationic Star Polymers. Molecular Pharmaceutics, 2013, 10, 2435-2444.	2.3	94
110	Synthesis and modification of thermoresponsive poly(oligo(ethylene glycol) methacrylate) via catalytic chain transfer polymerization and thiolâ€“ene Michael addition. Polymer Chemistry, 2011, 2, 815.	1.9	93
111	Rapid Highâ€Resolution 3D Printing and Surface Functionalization via Type I Photoinitiated RAFT Polymerization. Angewandte Chemie - International Edition, 2021, 60, 8839-8850.	7.2	92
112	Exploiting Wavelength Orthogonality for Successive Photoinduced Polymerization-Induced Self-Assembly and Photo-Crosslinking. ACS Macro Letters, 2018, 7, 1376-1382.	2.3	91
113	Pushing the Limits of High Throughput PET-RAFT Polymerization. Macromolecules, 2018, 51, 7600-7607.	2.2	90
114	An overview of proteinâ€“polymer particles. Soft Matter, 2011, 7, 1599-1614.	1.2	89
115	Computer-Guided Discovery of a pH-Responsive Organic Photocatalyst and Application for pH and Light Dual-Gated Polymerization. Journal of the American Chemical Society, 2019, 141, 8207-8220.	6.6	89
116	Simultaneous Polymerizationâ€Induced Selfâ€Assembly (PISA) and Guest Molecule Encapsulation. Macromolecular Rapid Communications, 2014, 35, 417-421.	2.0	87
117	Living in the Fast Laneâ€”High Throughput Controlled/Living Radical Polymerization. Macromolecules, 2019, 52, 3-23.	2.2	87
118	Effective Utilization of NIR Wavelengths for Photoâ€Controlled Polymerization: Penetration Through Thick Barriers and Parallel Solar Syntheses. Angewandte Chemie - International Edition, 2020, 59, 2013-2017.	7.2	87
119	Polymer Synthesis in Continuous Flow Reactors. Progress in Polymer Science, 2020, 107, 101256.	11.8	87
120	Reversible Deactivation Radical Polymerization: From Polymer Network Synthesis to 3D Printing. Advanced Science, 2021, 8, 2003701.	5.6	85
121	Endâ€group fidelity of copper(0)â€mediated radical polymerization at high monomer conversion: an ESIâ€MS investigation. Journal of Polymer Science Part A, 2011, 49, 5313-5321.	2.5	84
122	Organic photocatalysts for cleaner polymer synthesis. Science, 2016, 352, 1053-1054.	6.0	84
123	Nitric Oxide-Loaded Antimicrobial Polymer for the Synergistic Eradication of Bacterial Biofilm. ACS Macro Letters, 2018, 7, 592-597.	2.3	82
124	An Efficient and Highly Versatile Synthetic Route to Prepare Iron Oxide Nanoparticles/Nanocomposites with Tunable Morphologies. Langmuir, 2014, 30, 10493-10502.	1.6	81
125	CO-Releasing Polymers Exert Antimicrobial Activity. Biomacromolecules, 2015, 16, 2776-2786.	2.6	81
126	What happens in the dark? Assessing the temporal control of photoâ€mediated controlled radical polymerizations. Journal of Polymer Science Part A, 2019, 57, 268-273.	2.5	81

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127	Visible-Light-Regulated Controlled/Living Radical Polymerization in Miniemulsion. ACS Macro Letters, 2015, 4, 1139-1143.	2.3	80
128	Synthesis and Characterization of Poly(vinylidene fluoride)-g-poly(styrene) Graft Polymers Obtained by Atom Transfer Radical Polymerization of Styrene. Macromolecules, 2006, 39, 9087-9101.	2.2	79
129	Biodegradable Star Polymers Functionalized With Î²-Cyclodextrin Inclusion Complexes. Biomacromolecules, 2009, 10, 2699-2707.	2.6	79
130	Organic Electron Donorâ€“Acceptor Photoredox Catalysts: Enhanced Catalytic Efficiency toward Controlled Radical Polymerization. ACS Macro Letters, 2015, 4, 926-932.	2.3	79
131	Synthesis of Hollow Polymer Nanocapsules Exploiting Gold Nanoparticles as Sacrificial Templates. Macromolecules, 2010, 43, 1792-1799.	2.2	77
132	Copper(0)-mediated radical polymerisation in a self-generating biphasic system. Polymer Chemistry, 2013, 4, 106-112.	1.9	75
133	A polydiacetylene-based colorimetric sensor as an active use-by date indicator for milk. Journal of Colloid and Interface Science, 2020, 572, 31-38.	5.0	75
134	Macromolecular and Inorganic Nanomaterials Scaffolds for Carbon Monoxide Delivery: Recent Developments and Future Trends. ACS Biomaterials Science and Engineering, 2015, 1, 895-913.	2.6	74
135	One-Pot Synthesis of Block Copolymers by Orthogonal Ring-Opening Polymerization and PET-RAFT Polymerization at Ambient Temperature. ACS Macro Letters, 2016, 5, 444-449.	2.3	74
136	N,N-Diaryl Dihydrophenazines as Photoredox Catalysts for PET-RAFT and Sequential PET-RAFT/O-ATRP. ACS Macro Letters, 2018, 7, 662-666.	2.3	73
137	Oxygen Tolerant PET-RAFT Facilitated 3D Printing of Polymeric Materials under Visible LEDs. ACS Applied Polymer Materials, 2020, 2, 782-790.	2.0	73
138	Synthesis of dendritic carbohydrate endâ€functional polymers via RAFT: Versatile multiâ€functional precursors for bioconjugations. Journal of Polymer Science Part A, 2009, 47, 4302-4313.	2.5	72
139	Photoinduced Oxygen Reduction for Dark Polymerization. Macromolecules, 2017, 50, 1832-1846.	2.2	72
140	Antibiofilm Nitric Oxide-Releasing Polydopamine Coatings. ACS Applied Materials & Interfaces, 2019, 11, 7320-7329.	4.0	71
141	Synthetic Antimicrobial Polymers in Combination Therapy: Tackling Antibiotic Resistance. ACS Infectious Diseases, 2021, 7, 215-253.	1.8	71
142	High-Throughput Synthesis of Antimicrobial Copolymers and Rapid Evaluation of Their Bioactivity. Macromolecules, 2019, 52, 3975-3986.	2.2	70
143	3D printing of polymeric materials based on photo-RAFT polymerization. Polymer Chemistry, 2020, 11, 641-647.	1.9	70
144	Nanoparticles of polydopamine for improving mechanical and flame-retardant properties of an epoxy resin. Composites Part B: Engineering, 2020, 186, 107828.	5.9	70

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145	Glycopolymer Decoration of Gold Nanoparticles Using a LbL Approach. Macromolecules, 2010, 43, 3775-3784.	2.2	69
146	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
147	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	1.1	69
148	Grafting of P(OEGA) Onto Magnetic Nanoparticles Using Cu(0) Mediated Polymerization: Comparing Grafting â€œfromâ€•and â€œtoâ€•Approaches in the Search for the Optimal Material Design of Nanoparticle MRI Contrast Agents. Macromolecules, 2013, 46, 6038-6047.	2.2	68
149	Effect of gold nanoparticle shapes for phototherapy and drug delivery. Polymer Chemistry, 2016, 7, 2888-2903.	1.9	68
150	A Rationally Optimized Nanoparticle System for the Delivery of RNA Interference Therapeutics into Pancreatic Tumors in Vivo. Biomacromolecules, 2016, 17, 2337-2351.	2.6	68
151	Catalyst-Free Selective Photoactivation of RAFT Polymerization: A Facile Route for Preparation of Comblike and Bottlebrush Polymers. Macromolecules, 2018, 51, 7776-7784.	2.2	67
152	Enhancing the antimicrobial and antibiofilm effectiveness of silver nanoparticles prepared by green synthesis. Journal of Materials Chemistry B, 2018, 6, 4124-4138.	2.9	67
153	Functional gold nanoparticles for the storage and controlled release of nitric oxide: applications in biofilm dispersal and intracellular delivery. Journal of Materials Chemistry B, 2014, 2, 5003-5011.	2.9	66
154	Combining Enzymatic Monomer Transformation with Photoinduced Electron Transfer â˜’ Reversible Additionâ€“Fragmentation Chain Transfer for the Synthesis of Complex Multiblock Copolymers. ACS Macro Letters, 2014, 3, 633-638.	2.3	66
155	Bioactive Synthetic Polymers. Advanced Materials, 2022, 34, e2105063.	11.1	66
156	Adsorption behaviour of sulfur containing polymers to gold surfaces using QCM-D. Soft Matter, 2012, 8, 118-128.	1.2	65
157	The effects of polymer topology and chain length on the antimicrobial activity and hemocompatibility of amphiphilic ternary copolymers. Polymer Chemistry, 2018, 9, 1735-1744.	1.9	64
158	Modulation of the Surface Charge on Polymer-Stabilized Gold Nanoparticles by the Application of an External Stimulus. Langmuir, 2010, 26, 2721-2730.	1.6	63
159	Functionalizing Biodegradable Dextran Scaffolds Using Living Radical Polymerization: New Versatile Nanoparticles for the Delivery of Therapeutic Molecules. Molecular Pharmaceutics, 2012, 9, 3046-3061.	2.3	63
160	Enhanced colloidal stability and protein resistance of layered double hydroxide nanoparticles with phosphonic acid-terminated PEG coating for drug delivery. Journal of Colloid and Interface Science, 2018, 521, 242-251.	5.0	62
161	Biomimetic synthesis of coordination network materials: Recent advances in MOFs and MPNs. Applied Materials Today, 2018, 10, 93-105.	2.3	62
162	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. Cancer Research, 2021, 81, 3461-3479.	0.4	62

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163	Telechelic Diiodopoly(VDF-co-PMVE) Copolymers by Iodine Transfer Copolymerization of Vinylidene Fluoride (VDF) with Perfluoromethyl Vinyl Ether (PMVE). Macromolecules, 2010, 43, 3652-3663.	2.2	61
164	100th Anniversary of Macromolecular Science Viewpoint: Photochemical Reaction Orthogonality in Modern Macromolecular Science. ACS Macro Letters, 2019, 8, 812-818.	2.3	61
165	Biomimetic Polymers Responsive to a Biological Signaling Molecule: Nitric Oxide Triggered Reversible Selfâ€assembly of Single Macromolecular Chains into Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 7779-7784.	7.2	60
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