

CITATION REPORT

List of articles citing

Atom Transfer Radical Polymerization (ATRP): Current Status and Future Perspectives

DOI: 10.1021/ma3001719

Macromolecules, 2012, 45, 4015-4039.

Source: <https://exaly.com/paper-pdf/54345935/citation-report.pdf>

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2108	Atom Transfer Radical Polymerization of Methacrylic Acid: A Won Challenge.		
2107	Pulsating Polymer Micelles via ATP-Fueled Dissipative Self-Assembly.		
2106	Macromolecular engineering by tempering radical behavior. 2012 , 2012,		1
2105	Living Radical Polymerization by the RAFT Process [A Third Update. 2012 , 65, 985		798
2104	SPR Signals of Three-dimensional Antibody-immobilized Gel Layers Formed on Sensor Chips by Atom Transfer Radical Polymerization. 2012 , 41, 1660-1662		7
2103	Synthesis and Characterization of Molecular Bottlebrushes Prepared by Iron-Based ATRP. <i>Macromolecules</i> , 2012 , 45, 9243-9249	5.5	34
2102	Determination of ATRP Equilibrium Constants under Polymerization Conditions. 2012 , 1, 1367-1370		74
2101	Covalent functionalization of graphene with poly(methyl methacrylate) by atom transfer radical polymerization at room temperature. 2012 , 3, 2768		46
2100	Redox-Responsive Polymer Brushes Grafted from Polystyrene Nanoparticles by Means of Surface Initiated Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2012 , 45, 8970-8981	5.5	83
2099	Enhanced mechanical pathways through nature's building blocks: amino acids. 2012 , 8, 11431		24
2098	Application of (1)H DOSY for Facile Measurement of Polymer Molecular Weights. <i>Macromolecules</i> , 2012 , 45, 9595-9603	5.5	132
2097	Penultimate Unit and Solvent Effects on 2:1 Sequence Control During Radical Copolymerization of N-Phenylmaleimide With β -Pinene. 2012 , 213, 2479-2485		22
2096	Tuning Dispersity in Diblock Copolymers Using ARGET ATRP. 2012 , 213, 2659-2668		51
2095	Copolymer-templated nitrogen-enriched porous nanocarbons for CO2 capture. 2012 , 48, 11516-8		98
2094	Nanomechanical mapping of a high curvature polymer brush grafted from a rigid nanoparticle. 2012 , 8, 8312		29
2093	Active Ligand for Low PPM Miniemulsion Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2012 , 45, 7356-7363	5.5	31
2092	Preparation of cationic nanogels for nucleic acid delivery. 2012 , 13, 3445-9		60

2091	Formation and Possible Reactions of Organometallic Intermediates with Active Copper(I) Catalysts in ATRP. 2012 , 31, 7994-7999		50
2090	Syntheses and structures of closely related copper(I) complexes of tridentate (2-pyridylmethyl)imine and (2-pyridylmethyl)amine ligands and their use in mediating atom transfer radical polymerizations. 2012 , 51, 10762-73		18
2089	Linear Gradient Quality of ATRP Copolymers. <i>Macromolecules</i> , 2012 , 45, 8519-8531	5.5	120
2088	PEO-Based Star Copolymers as Stabilizers for Water-in-Oil or Oil-in-Water Emulsions. <i>Macromolecules</i> , 2012 , 45, 9419-9426	5.5	69
2087	Synthesis and Properties of Cellulose Graft Copolymers with Well-Defined Architecture. 2012 , 109-131		5
2086	Halogen Conservation in Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2012 , 45, 8929-8932	5.5	40
2085	Side-chain modification and "grafting onto" via olefin cross-metathesis. 2012 , 33, 2023-8		19
2084	Inorganic Sulfites: Efficient Reducing Agents and Supplemental Activators for Atom Transfer Radical Polymerization. 2012 , 1, 1308-1311		84
2083	No Reduction of CuBr ₂ during Cu(0)-Catalyzed Living Radical Polymerization of Methyl Acrylate in DMSO at 25 °C. <i>Macromolecules</i> , 2012 , 45, 8267-8274	5.5	60
2082	RAFT Copolymerization of Styrene/Divinylbenzene in Supercritical Carbon Dioxide. 2012 , 65, 1177		22
2081	Preparation of polymeric nanoscale networks from cylindrical molecular bottlebrushes. 2012 , 6, 6208-14		80
2080	Modification of the surfaces of silicon wafers with temperature-responsive cross-linkable poly[oligo(ethylene oxide) methacrylate]-based star polymers. 2012 , 4, 5949-55		10
2079	Simulating Controlled Radical Polymerizations with mcPolymer's Monte Carlo Approach. 2012 , 4, 1416-1442		36
2078	Versatile Synthesis of Multiarm and Miktoarm Star Polymers with a Branched Core by Combination of Menschutkin Reaction and Controlled Polymerization. <i>Macromolecules</i> , 2012 , 45, 9312-9325	5.5	37
2077	ICAR ATRP with ppm Cu Catalyst in Water. <i>Macromolecules</i> , 2012 , 45, 4461-4468	5.5	205
2076	Visible Light and Sunlight Photoinduced ATRP with ppm of Cu Catalyst. 2012 , 1, 1219-1223		458
2075	Enhanced Activity of ATRP Fe Catalysts with Phosphines Containing Electron Donating Groups. <i>Macromolecules</i> , 2012 , 45, 5911-5915	5.5	58
2074	Synthesis of Molecular Bottlebrushes by Atom Transfer Radical Polymerization with ppm Amounts of Cu Catalyst. 2012 , 1, 991-994		18

2073	Substituted Tris(2-pyridylmethyl)amine Ligands for Highly Active ATRP Catalysts. 2012 , 1, 1037-1040		84
2072	Aqueous ARGET ATRP. <i>Macromolecules</i> , 2012 , 45, 6371-6379	5.5	281
2071	Synthesis of degradable polyHIPEs by AGET ATRP. 2013 , 54, 4480-4485		25
2070	Silicone Macroinitiator in Atom Transfer Radical Polymerization of Styrene and Vinyl Acetate: Synthesis and Characterization of Pentablock Copolymers. 2013 , 23, 432-438		11
2069	Self-assembled micellar nanoparticles of a novel amphiphilic cholesteryl-poly(l-lactic acid)-b-poly(poly(ethylene glycol)methacrylate) block-brush copolymer. 2013 , 22, 293-302		9
2068	UV cured polymer based on a renewable cardanol derived RAFT agent. 2013 , 20, 1		20
2067	Preparation of stealth micellar nanoparticles of novel biodegradable and biocompatible brush copolymers with cholesteryl-modified PLA and PEG side chains. 2013 , 20, 1		14
2066	Synthesis, characterization, and micellization of cholesteryl-modified amphiphilic poly(L-lactide)-block-poly(glycidyl methacrylate) as a nanocarrier for hydrophobic drugs. 2013 , 20, 1		10
2065	Ambient temperature rapid SARA ATRP of acrylates and methacrylates in alcohol/water solutions mediated by a mixed sulfite/Cu(II)Br ₂ catalytic system. 2013 , 4, 5629		60
2064	Reversible generation of a carbon-centered radical from alkyl iodide using organic salts and their application as organic catalysts in living radical polymerization. 2013 , 135, 11131-9		128
2063	SET-LRP of methacrylates in fluorinated alcohols. 2013 , 4, 5563		44
2062	Highly structured pH-responsive honeycomb films by a combination of a breath figure process and in situ thermolysis of a polystyrene-block-poly(ethoxy ethyl acrylate) precursor. 2013 ,		9
2061	Hemoglobin and red blood cells catalyze atom transfer radical polymerization. 2013 , 14, 2703-12		75
2060	Protein/polymer hybrids: Conducting ARGET ATRP from a genetically encoded cleavable ATRP initiator. 2013 , 49, 2919-2924		24
2059	Reversible-Deactivation Radical Polymerization of Methyl Methacrylate and Styrene Mediated by Alkyl Dithiocarbamates and Copper Acetylacetonates. <i>Macromolecules</i> , 2013 , 46, 5512-5519	5.5	19
2058	Cellulose derivatives and graft copolymers as blocks for functional materials. 2013 , 62, 338-344		53
2057	Coatings. 2013 , 1		
2056	Scope and limitations of the nitroxide-mediated radical ring-opening polymerization of cyclic ketene acetals. 2013 , 4, 4776		33

2055	A novel copper containing photoinitiator, copper(II) acylphosphinate, and its application in both the photomediated CuAAC reaction and in atom transfer radical polymerization. 2013 , 49, 7950-2		63
2054	Synthesis and adsorption behaviors of poly(2-(dimethylamino)ethyl methacrylate) brushes on silica particles by surface-initiated atom transfer radical polymerization. 2013 , 249, 1-6		12
2053	CuI Arylation Reaction: Atom Efficient and Greener Syntheses of π -Conjugated Small Molecules and Macromolecules for Organic Electronic Materials. <i>Macromolecules</i> , 2013 , 46, 8059-8078	5.5	269
2052	Evaluation of thiocarbonyl and thioester moieties as thiol protecting groups for controlled radical polymerization. 2013 , 4, 5577		40
2051	Autotransfecting short interfering RNA through facile covalent polymer escorts. 2013 , 135, 12508-11		36
2050	Preparation and characterization of block copolymers containing cinnamate groups with end-capped ZnO. 2013 , 11, 1492-1504		2
2049	Atom transfer radical emulsion polymerization (emulsion ATRP) of styrene with water-soluble initiator. 2013 , 291, 2253-2257		6
2048	Molecular Tensile Machines: Anti-Arrhenius Cleavage of Disulfide Bonds. <i>Macromolecules</i> , 2013 , 46, 7196-7201	5.5	41
2047	Activators Regenerated by Electron Transfer Atom Transfer Radical Polymerization in Miniemulsion with 50 ppm of Copper Catalyst. 2013 , 2, 822-825		25
2046	Multivalent (Nitrilotriacetic Acid)-End-Functionalized Polystyrenes by ATRP and Their Self-Assembly. 2013 , 214, 2027-2035		2
2045	Synthesis and Properties of Multicleavable Amphiphilic Dendritic Comblike and Toothbrushlike Copolymers Comprising Alternating PEG and PCL Grafts. <i>Macromolecules</i> , 2013 , 46, 1325-1336	5.5	47
2044	Stable emulsions with thermally responsive microstructure and rheology using poly(ethylene oxide) star polymers as emulsifiers. 2013 , 394, 284-92		25
2043	Light-induced modular ligation of conventional RAFT polymers. 2013 , 52, 762-6		88
2042	Controlled polymer-brush growth from microliter volumes using sacrificial-anode atom-transfer radical polymerization. 2013 , 52, 9125-9		53
2041	Multi-methacrylated star-shaped, photocurable poly(methyl methacrylate) macromonomers via quasiliving ATRP with suppressed curing shrinkage. 2013 , 54, 6073-6077		10
2040	Polymerization, grafting and adsorption in the presence of inorganic substrates: Thermal polymerization of styrene with untreated and γ -irradiated silica gel as a case study. 2013 , 54, 6695-6701		1
2039	Innovative macromolecular syntheses via isocyanide multicomponent reactions. 2013 , 51, 3985-3991		75
2038	Ambient temperature copper-mediated living radical polymerization of acrylonitrile with Me6TREN as the reducing agent. 2013 , 51, 1690-1694		9

2037	Efficient Synthesis of Poly(methacrylic acid)-block-Poly(styrene-alt-N-phenylmaleimide) Diblock Copolymer Lamellae Using RAFT Dispersion Polymerization. <i>Macromolecules</i> , 2013 , 46, 8545-8556	5.5	70
2036	Synchronized Tandem Catalysis of Living Radical Polymerization and Transesterification: Methacrylate Gradient Copolymers with Extremely Broad Glass Transition Temperature.. 2013 , 2, 985-989		36
2035	ICAR ATRP of acrylonitrile utilizing a moderate temperature radical initiator. 2013 , 31, 1613-1622		15
2034	Radical Chain Polymerization. 2013 , 137-183		17
2033	Seawater uranium sorbents: preparation from a mesoporous copolymer initiator by atom-transfer radical polymerization. 2013 , 52, 13458-62		183
2032	Harnessing interfacially-active nanorods to regenerate severed polymer gels. 2013 , 13, 6269-74		57
2031	Numerical simulation study on cyclic reciprocal derivative chronopotentiometry of reversible electrode reaction coupled with Langmuir adsorption. 2013 , 93, 222-229		1
2030	Recent advances in the homogeneous polymerisation of olefins mediated by nickel complexes. 2013 , 16, 573-579		11
2029	Synthesis of poly (methyl methacrylate)-b-polystyrene with high molecular weight by DPE seeded emulsion polymerization and its application in proton exchange membrane. 2013 , 406, 154-64		21
2028	Ruthenium carborane complexes: a relationship between the structure, electrochemical properties, and reactivity in catalysis of polymerization processes. 2013 , 62, 692-698		8
2027	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. A Critical Assessment of the SARA ATRP and SET-LRP Mechanisms. <i>Macromolecules</i> , 2013 , 46, 8749-8772	5.5	249
2026	Analysis of the Microwave Activated Atom Transfer Radical Polymerization of Methyl Methacrylate and Styrene Using Modeling Tools. 2013 , 7, 463-476		12
2025	Resorcinol-functionalized carbon nanoparticles with a stick-out nanostructure for stable hydrogen bonding with polyester microfibers. 2013 , 3, 19440		1
2024	Synthesis and reactivity ratios of regioisomeric vinyl-1,2,3-triazoles with styrene. 2013 , 51, 3359-3364		6
2023	Bioinspired iron-based catalyst for atom transfer radical polymerization. 2013 , 52, 12148-51		88
2022	Tunable Shell Thickness in Silica Nanospheres Functionalized by a Hydrophobic PMMA-PSt Diblock Copolymer Brush via Activators Generated by Electron Transfer for Atom Transfer Radical Polymerization. 2013 , 214, 1602-1611		12
2021	One pot, two step sequence converting atom transfer radical polymerization directly to radical trap-assisted atom transfer radical coupling. 2013 , 54, 5560-5567		11
2020	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. Kinetic Simulation. <i>Macromolecules</i> , 2013 , 46, 3816-3827	5.5	72

2019	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. Comproportionation/Disproportionation Equilibria and Kinetics. <i>Macromolecules</i> , 2013 , 46, 3793-3802	5-5	83
2018	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. Activation of Alkyl Halides by Cu ⁰ . <i>Macromolecules</i> , 2013 , 46, 3803-3815	5-5	74
2017	Synthesis of chitin-graft-polystyrene via atom transfer radical polymerization initiated from a chitin macroinitiator. 2013 , 4, 3384		22
2016	Visual recognition of supramolecular graft polymer formation via phenolphthalein β -cyclodextrin association. 2013 , 54, 5141-5147		31
2015	Dispersion RAFT polymerization of 4-vinylpyridine in toluene mediated with the macro-RAFT agent of polystyrene dithiobenzoate: Effect of the macro-RAFT agent chain length and growth of the block copolymer nano-objects. 2013 , 51, 1573-1584		50
2014	Versatile thiolated thermosensitive polymers synthesized by ATRP of MEO2MA and AcSEMA, a new methacrylic monomer with a protected thiol group. 2013 , 4, 5751		28
2013	Facile synthesis of gradient copolymers via semi-batch copper(0)-mediated living radical copolymerization at ambient temperature. 2013 , 4, 76-84		27
2012	A comparative study of the SET-LRP of oligo(ethylene oxide) methyl ether acrylate in DMSO and in H ₂ O. 2013 , 4, 144-155		105
2011	Ionic liquids from copper(II) complexes with alkylimidazole-containing tripodal ligands. 2013 , 42, 10138-43		20
2010	Reversible CO ₂ capture with porous polymers using the humidity swing. 2013 , 6, 488-493		89
2009	Visible-Light-Induced Reversible Complexation Mediated Living Radical Polymerization of Methacrylates with Organic Catalysts. <i>Macromolecules</i> , 2013 , 46, 96-102	5-5	136
2008	Improving the Livingness of ATRP by Reducing Cu Catalyst Concentration. <i>Macromolecules</i> , 2013 , 46, 683-691	5-5	118
2007	Lichtinduzierte modulare Ligation von konventionellen RAFT-Polymeren. 2013 , 125, 791-796		19
2006	Facile Synthesis of Well-Defined Telechelic Alkyne-Terminated Polystyrene in Polar Media Using ATRP With Mixed Fe/Cu Transition Metal Catalyst. 2013 , 214, 76-84		27
2005	Progress in renewable polymers from natural terpenes, terpenoids, and rosin. 2013 , 34, 8-37		458
2004	Hyperbranched aliphatic polyether polyols. 2013 , 51, 995-1019		50
2003	Atom transfer radical polymerization on the interior of the P22 capsid and incorporation of photocatalytic monomer crosslinks. 2013 , 49, 2976-2985		21
2002	Rational preparation of dibenzothiophene-imprinted polymers by surface imprinting technique combined with atom transfer radical polymerization. 2013 , 282, 809-819		22

2001	Synthesis of amphiphilic block copolymers via ARGET ATRP using an inexpensive ligand of PMDETA. 2013 , 73, 1517-1522	5
2000	Rational design and preparation for novel denitrogenation adsorbents by computational simulation and improved atom transfer radical polymerization. 2013 , 37, 2758	8
1999	Atom transfer radical polymerization of N-isopropylacrylamide by enzyme mimetic catalyst. 2013 , 54, 1775-1778	21
1998	Molecular dynamics in PBA/PEO miktoarm star copolymers. 2013 , 54, 3341-3349	4
1997	On the mechanism of activation of copper-catalyzed atom transfer radical polymerization. 2013 , 110, 655-662	54
1996	Polymeric bile acid sequestrants synthesis using conventional methods and new approaches based on controlled/living radical polymerization. 2013 , 38, 445-461	29
1995	Nascent Cu(0) nanoparticles-mediated single electron transfer living radical polymerization of acrylonitrile at ambient temperature. 2013 , 51, 1468-1474	14
1994	High-pressure atom transfer radical polymerization of n-butyl acrylate. 2013 , 34, 604-9	21
1993	How far can we push polymer architectures?. 2013 , 135, 11421-4	78
1992	Smart heparin-based bioconjugates synthesized by a combination of ATRP and click chemistry. 2013 , 4, 2800	19
1991	Conjugation-induced fluorescent labeling of proteins and polymers using dithiomaleimides. 2013 , 135, 2875-8	97
1990	Nitroxide radical coupling reaction: a powerful tool in polymer and material synthesis. 2013 , 4, 2384	40
1989	Self-organized precipitation: an emerging method for preparation of unique polymer particles. 2013 , 45, 261-268	53
1988	Dibromomaleimide Derivative as an Efficient Polymer Coupling Agent for Building Topological Polymers. 2013 , 214, 470-477	15
1987	Synthesis of well-defined poly(2-(dimethylamino)ethyl methacrylate) under mild conditions and its co-polymers with cholesterol and PEG using Fe(0)/Cu(II) based SARA ATRP. 2013 , 4, 3088	58
1986	Surfactant-free aqueous RAFT polymerization of styrene in the presence of CaCO ₃ particles. 2013 , 54, 614-622	4
1985	The importance of ligand reactions in Cu(0)-mediated living radical polymerisation of acrylates. 2013 , 4, 2672	66
1984	Combining Ring-Opening Multibranching and RAFT Polymerization: Multifunctional Linear/Hyperbranched Block Copolymers via Hyperbranched Macro-Chain-Transfer Agents. <i>Macromolecules</i> , 2013 , 46, 2892-2904	5.5 26

1983	Star polymers with a cationic core prepared by ATRP for cellular nucleic acids delivery. 2013 , 14, 1262-7	61
1982	Aqueous copper-mediated living polymerization: exploiting rapid disproportionation of CuBr with Me6TREN. 2013 , 135, 7355-63	264
1981	UV Light and Temperature Responsive Supramolecular ABA Triblock Copolymers via Reversible Cyclodextrin Complexation. <i>Macromolecules</i> , 2013 , 46, 1054-1065	5.5 68
1980	Copper-mediated controlled radical polymerization in continuous flow processes: Synergy between polymer reaction engineering and innovative chemistry. 2013 , 51, 3081-3096	67
1979	Solvent Effects on the Activation Rate Constant in Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2013 , 46, 3350-3357	5.5 88
1978	CuBr ₂ /Me6TREN-mediated living radical polymerization of methyl methacrylate at ambient temperature. 2013 , 54, 148-154	14
1977	Novel polysulfone hybrid ultrafiltration membrane prepared with TiO ₂ -g-HEMA and its antifouling characteristics. 2013 , 436, 163-173	177
1976	Multi-stimuli responsive macromolecules and their assemblies. 2013 , 42, 7421-35	488
1975	Encapsulation of Silica Particles by a Thin Shell of Poly(Methyl) Methacrylate. 2013 , 175-202	
1974	Atom transfer radical polymerization of hydrophilic monomers and its applications. 2013 , 4, 2919	62
1973	Organocatalytic visible light mediated synthesis of aryl sulfides. 2013 , 49, 5507-9	117
1972	Nanostructured composites obtained by ATRP sleeving of bacterial cellulose nanofibers with acrylate polymers. 2013 , 14, 2063-73	67
1971	A simple combination of higher-oxidation-state FeX ₃ and phosphine or amine ligand for living radical polymerization of styrene, methacrylate, and acrylate. 2013 , 4, 3554	32
1970	From a Water-Immiscible Monomer to Block Copolymer Nano-Objects via a One-Pot RAFT Aqueous Dispersion Polymerization Formulation. <i>Macromolecules</i> , 2013 , 46, 769-777	5.5 102
1969	Investigation of Electrochemically Mediated Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2013 , 46, 4346-4353	5.5 130
1968	Synthesis and structure-property relationships of polypropylene-g-polystyrene and polypropylene-g-poly(n-butyl acrylate) graft copolymers with well-defined molecular structures. 2013 , 54, 3641-3653	20
1967	Nitroxide mediated synthesis of low dispersity random copolymers for low-loss optical waveguides. 2013 , 51, 2970-2978	5
1966	Dendritic molecular brushes: synthesis via sequential RAFT polymerization and cage effect for fluorophores. 2013 , 4, 4450	32

1965	Neutral, anionic, cationic, and zwitterionic diblock copolymers featuring poly(2-methoxyethyl acrylate) hydrophobic segments. 2013 , 4, 662-668		15
1964	Cyclobutenyl macromonomers: Synthetic strategies and ring-opening metathesis polymerization. 2013 , 49, 972-983		25
1963	Carbon black functionalized with hyperbranched polymers: synthesis, characterization, and application in reversible CO ₂ capture. 2013 , 1, 6810		41
1962	Shape-changing polymer assemblies. 2013 , 42, 7436-45		65
1961	Ultrabright Fluorescent Polymeric Nanoparticles Made from a New Family of BODIPY Monomers. <i>Macromolecules</i> , 2013 , 46, 5167-5176	5-5	44
1960	Recent progress in chemical modification of polyaniline. 2013 , 38, 1287-1306		212
1959	CHAPTER 8: Atom Transfer Radical Polymerization (ATRP). 2013 , 287-357		21
1958	CHAPTER 6: Fundamentals of RAFT Polymerization. 2013 , 205-249		19
1957	Vinylimidazole-based asymmetric ion pair comonomers: Synthesis, polymerization studies and formation of ionically crosslinked PMMA. 2013 , 51, 3260-3273		19
1956	Rationally synthesized two-dimensional polymers. 2013 , 5, 453-65		775
1955	Trithiocarbonates prepared from iodo-functionalized RITP-polymers. 2013 , 4, 978-985		8
1954	Efficient and Green Route to β -Lactams by Copper-Catalysed Reversed Atom Transfer Radical Cyclisation of β -Polychloro-N-allylamides, using a Low Load of Metal (0.5 mol%). 2013 , 355, 1649-1660		26
1953	Copper(0)-mediated radical polymerisation in a self-generating biphasic system. 2013 , 4, 106-112		73
1952	A simple and universal gel permeation chromatography technique for precise molecular weight characterization of well-defined poly(ionic liquid)s. 2013 , 135, 4227-30		130
1951	Star polymer synthesis and gelation in ATRP copolymerization: Monte Carlo simulations. 2013 , 54, 1979-1986	21	
1950	In situ AFM investigation of electrochemically induced surface-initiated atom-transfer radical polymerization. 2013 , 34, 246-50		25
1949	Recoverable Reusable Polyisobutylene (PIB)-Bound Ruthenium Bipyridine (Ru(PIB-bpy)Cl) Photoredox Polymerization Catalysts.. 2013 , 2, 571-574		47
1948	Designing polyethylenes of complex chain architectures via Pd-diimine-catalyzed "living" ethylene polymerization. 2013 , 49, 6235-55		109

1947	Ultraviolet Light-Induced Surface-Initiated Atom-Transfer Radical Polymerization.. 2013 , 2, 592-596		90
1946	Strategies for the synthesis of thermoplastic polymer nanocomposite materials with high inorganic filling fraction. 2013 , 29, 8989-96		49
1945	A Mild and Efficient Approach to Functional Single-Chain Polymeric Nanoparticles via Photoinduced Diels-Alder Ligation. <i>Macromolecules</i> , 2013 , 46, 8092-8101	5.5	100
1944	References. 2013 , 307-335		
1943	Poly(ethylene oxide) star polymer adsorption at the silica/aqueous interface and displacement by linear poly(ethylene oxide). 2013 , 29, 3999-4007		16
1942	Effect of colloidal substrate curvature on pH-responsive polyelectrolyte brush growth. 2013 , 29, 6131-40		28
1941	Effective Addition of Organic Chloride Salts on Atom Transfer Radical Polymerization in Fluoroalcohols. <i>Macromolecules</i> , 2013 , 46, 9189-9196	5.5	9
1940	Polystyrene-Poly(sodium methacrylate) Amphiphilic Block Copolymers by ATRP: Effect of Structure, pH, and Ionic Strength on Rheology of Aqueous Solutions. <i>Macromolecules</i> , 2013 , 46, 7106-7117	5.5	34
1939	Ruthenocene-Containing Homopolymers and Block Copolymers via ATRP and RAFT Polymerization. <i>Macromolecules</i> , 2013 , 46, 8816-8823	5.5	32
1938	Advantages of Block Copolymer Synthesis by RAFT-Controlled Dispersion Polymerization in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2013 , 46, 6843-6851	5.5	70
1937	Synthesis of Glycopolymer Architectures by Reversible-Deactivation Radical Polymerization. 2013 , 5, 431-526		58
1936	Chapter 8:Recent developments in the design of nanomaterials for photothermal and magnetic hyperthermia induced controllable drug delivery. 2013 , 225-254		10
1935	Principles of Polymer Design and Synthesis. 2013 ,		47
1934	Biocatalytic ATRP: Controlled Radical Polymerizations Mediated by Enzymes. 2013 , 163-171		7
1933	Cu(0)/2,6-bis(imino)pyridines catalyzed single-electron transfer-living radical polymerization of methyl methacrylate initiated with poly(vinylidene fluoride-co-chlorotrifluoroethylene). 2013 , 51, 4378-4388		13
1932	Spreading and Dewetting of Single Bottle-Brush Macromolecules on Nanofaceted SrTiO ₃ Substrate as Induced by Different Vapours. 2013 , 214, 761-775		1
1931	Computer-Aided Optimization of Conditions for Fast and Controlled ICAR ATRP of n-Butyl Acrylate. 2013 , 22, 136-149		37
1930	The Crucial Role of Diffusional Limitations in Controlled Radical Polymerization. 2013 , 7, 362-379		100

1929	Seawater Uranium Sorbents: Preparation from a Mesoporous Copolymer Initiator by Atom-Transfer Radical Polymerization. 2013 , 125, 13700-13704	19
1928	Conformational Characteristics of Polyimide Initiator for the Synthesis of Poly(Methylmethacrylate) Grafted Block-Copolymers. 2013 , 52, 1545-1557	9
1927	POLYMERIZATION WITHIN CONFINED NANOCHANNELS OF POROUS METAL-ORGANIC FRAMEWORKS. 2013 , 01, 1330001	2
1926	Bioinspired Iron-Based Catalyst for Atom Transfer Radical Polymerization. 2013 , 125, 12370-12373	6
1925	Controlled Polymer-Brush Growth from Microliter Volumes using Sacrificial-Anode Atom-Transfer Radical Polymerization. 2013 , 125, 9295-9299	5
1924	Functional Star Polymers via Living Radical Polymerization [^] [^] mdash;Designer Functional Nanospaces. 2013 , 70, 432-448	7
1923	Radical Polymerization Kinetics. 2013 ,	1
1922	Synthetic Glycopolymers: Some Recent Developments. 2013 , 39-59	19
1921	Designing biomimetic reactive polymer gels. 2014 , 17, 486-493	4
1920	Sequence-Regulated Polymers via Living Radical Polymerization: From Design to Properties and Functions. 2014 , 255-267	21
1919	Novel Macromolecular Architectures via a Combination of Cyclodextrin Host/Guest Complexation and RAFT Polymerization. 2014 ,	2
1918	Gradient Sequence EConjugated Copolymers. 2014 , 287-299	2
1917	Synthesis and Characterization of Poly(Oligoethyleneglycol Methacrylate)-g-TiO ₂ Nanocomposites via Surface-Initiated ARGET ATRP. 2014 , 602, 118-125	4
1916	Surface Modification of Polysaccharide Nanocrystals. 2014 , 63-108	
1915	Photo-induced controlled/living copolymerization of styrene and acrylic acid and determination of reactivity ratios. 2014 , 23, 819-826	4
1914	Nanocomposites Based on Luminescent Colloidal Nanocrystals and Polymeric Ionic Liquids towards Optoelectronic Applications. 2014 , 7, 591-610	5
1913	Hybrid Materials Based on the Embedding of Organically Modified Transition Metal Oxoclusters or Polyoxometalates into Polymers for Functional Applications: A Review. 2014 , 7, 3956-3989	85
1912	Mechanophore-Based Poly(Glycidyl Methacrylate) Synthesized by Atom Transfer Living Radical Polymerization. 2014 , 670-671, 249-252	

1911	Effect of Trapping Agent and Polystyrene Chain End Functionality on Radical Trap-Assisted Atom Transfer Radical Coupling. 2014 , 6, 2737-2751		7
1910	Synthesis of Narrow Molecular Weight Distribution Norbornene-Lactone Functionalized Polymers by Nitroxide-Mediated Polymerization: Candidates for 193-nm Photoresist Materials. 2014 , 6, 565-582		13
1909	Modeling of Network Formation in the Atom Transfer Radical Co-Polymerization (ATRP) of Vinyl/Divinyl Monomers Using a Multifunctional Polymer Molecule Approach. 2014 , 23, 429-441		10
1908	Simultaneous Photoinduced ATRP and CuAAC Reactions for the Synthesis of Block Copolymers. 2014 , 35, 1782		41
1907	Synthesis of poly(vinyl pivalate) by atom transfer radical polymerization in supercritical carbon dioxide. 2014 , 61, 93-104		10
1906	Polymer-Modified Mesoporous Silica Thin Films for Redox-Mediated Selective Membrane Gating. 2014 , 24, 1591-1601		81
1905	Development of Molecular Weight Distribution in ATRP with Radical Termination. 2014 , 23, 227-240		12
1904	RAFT/MADIX copolymerization of vinyl acetate and 5,6-benzo-2-methylene-1,3-dioxepane. 2014 , 52, 104-111		24
1903	Highly Controlled Open Vessel RAFT Polymerizations by Enzyme Degassing. <i>Macromolecules</i> , 2014 , 47, 8541-8547	5.5	150
1902	Surfactant Ligand Design for ab Initio Emulsion Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2014 , 47, 7701-7706	5.5	18
1901	Free radical initiation mechanism based on the combination of alcohol initiators and borane activators. 2014 , 52, 2889-2893		
1900	One-pot deprotection and functionalization of polythiol copolymers via six different thiol reactions. 2014 , 63, 887-893		22
1899	Atom transfer radical polymerization of an epoxide-containing monomer, 4-vinylphenyloxirane, employing low concentration of catalyst: synthesis of linear and star-shaped macromolecules. 2014 , 63, 868-875		13
1898	Selektive Funktionalisierung von P4 durch Metall-vermittelte Bildung einer C-P-Bindung. 2014 , 126, 7769-7773		31
1897	Modeling the Kinetics of Monolith Formation by RAFT Copolymerization of Styrene and Divinylbenzene. 2014 , 8, 706-722		19
1896	One-Pot synthesis of functional poly(methacrylate) by ATRP and 1,8-Diazacyclo-[5,4,0]undec-7-ene catalyzed transesterification. 2014 , 52, 2998-3003		4
1895	Atom transfer radical polymerization of ionic liquid monomer: The influence of salt/counterion on polymerization. 2014 , 52, 2175-2184		25
1894	Building up polymer architectures on graphene oxide sheet surfaces through sequential atom transfer radical polymerization. 2014 , 52, 1588-1596		20

1893	Phototunable Supersoft Elastomers using Coumarin Functionalized Molecular Bottlebrushes for Cell-Surface Interactions Study. <i>Macromolecules</i> , 2014 , 47, 7852-7857	5-5	20
1892	Pressure Dependence of Iron-Mediated Methyl Methacrylate ATRP in Different Solvent Environments. 2014 , 215, 44-53		19
1891	Giant surfactants based on molecular nanoparticles: Precise synthesis and solution self-assembly. 2014 , 52, 1309-1325		58
1890	Controlled synthesis of poly[(butyl methacrylate)-co-(butyl acrylate)] via activator regenerated by electron transfer atom transfer radical polymerization: insights and improvement. 2014 , 63, 848-857		25
1889	Synthesis and fluorescence properties of star-shaped polymers carrying two fluorescent moieties. 2014 , 63, 1047-1055		9
1888	Polymerization of Ethylene through Reversible Addition Fragmentation Chain Transfer (RAFT). 2014 , 126, 6801-6804		18
1887	Performance of dielectric nanocomposites: matrix-free, hairy nanoparticle assemblies and amorphous polymer-nanoparticle blends. 2014 , 6, 21500-9		67
1886	Well-defined iron complexes as efficient catalysts for "green" atom-transfer radical polymerization of styrene, methyl methacrylate, and butyl acrylate with low catalyst loadings and catalyst recycling. 2014 , 20, 5802-14		21
1885	Living Radical Polymerization via Organic Superbase Catalysis. 2014 , 6, 860-872		20
1884	Macromolecular Architectures Designed by Living Radical Polymerization with Organic Catalysts. 2014 , 6, 311-326		21
1883	Introduction of self-healing properties into covalent polymer networks via the photodissociation of alkoxyamine junctions. 2014 , 5, 921-930		63
1882	Composite supramolecular nanoassemblies with independent stimulus sensitivities. 2014 , 5, 229-234		33
1881	Photoresponsive liquid crystalline block copolymers: From photonics to nanotechnology. 2014 , 39, 781-815		120
1880	Porous, functional, poly(styrene-co-divinylbenzene) monoliths by RAFT polymerization. 2014 , 5, 722-732		44
1879	Atom transfer radical polymerization (ATRP): A versatile and forceful tool for functional membranes. 2014 , 39, 124-144		140
1878	Preparation of porous nanocarbons with tunable morphology and pore size from copolymer templated precursors. 2014 , 1, 121-124		27
1877	Metallopolymers with transition metals in the side-chain by living and controlled polymerization techniques. 2014 , 39, 1742-1796		124
1876	Atom transfer radical polymerization of dimethyl(methacryloyloxymethyl) phosphonate. 2014 , 56, 11-16		13

1875	Antimicrobial activity of poly(acrylic acid) block copolymers. 2014 , 38, 94-100	44
1874	Thermal and microwave assisted polymerization of vinyl acetate catalyzed by cyclometalated ruthenium (II) complexes. 2014 , 55, 1656-1665	9
1873	Surface-Initiated Polymerization as an Enabling Tool for Multifunctional (Nano-)Engineered Hybrid Materials. 2014 , 26, 745-762	289
1872	Covalent functionalization of silica nanoparticles with poly(N-isopropylacrylamide) employing thiol-ene chemistry and activator regenerated by electron transfer ATRP protocol. 2014 , 49, 1519-1526	15
1871	Synthesis of well-defined functionalized poly(2-(diisopropylamino)ethyl methacrylate) using ATRP with sodium dithionite as a SARA agent. 2014 , 5, 3919-3928	32
1870	Is methanol really a bad solvent for poly(n-butyl methacrylate)? Low dispersity and high molecular weight polymers of n-butyl methacrylate synthesised via ATRP in anhydrous methanol. 2014 , 5, 3608-3616	10
1869	Molecular tools for the construction of peptide-based materials. 2014 , 43, 2743-56	81
1868	ATRP-template dispersion polymerization of methacrylic Acid/PVP. 2014 , 32, 476-487	5
1867	Effects of branches on the crystallization kinetics of polypropylene-g-polystyrene and polypropylene-g-Poly(n-butyl acrylate) graft copolymers with well-defined molecular structures. 2014 , 32, 333-349	8
1866	Recent advances in ATRP methods in relation to the synthesis of copolymer coating materials. 2014 , 77, 913-948	57
1865	Preparation of dendritic adamantane-based polymers/layered silicate nanocomposites. 2014 , 54, 2669-2675	3
1864	Living cationic polymerization of bisazobenzene-containing vinyl ether and synthesis of a graft copolymer by combination with ATRP. 2014 , 5, 4076-4082	8
1863	Well-defined dibenzocyclooctyne end functionalized polymers from atom transfer radical polymerization. 2014 , 55, 1128-1135	14
1862	Polymer brush coatings for combating marine biofouling. 2014 , 39, 1017-1042	316
1861	Single electron transfer in radical ion and radical-mediated organic, materials and polymer synthesis. 2014 , 114, 5848-958	302
1860	Iron-mediated AGET ATRP of methyl methacrylate in the presence of polar solvents as ligands. 2014 , 52, 1020-1027	25
1859	Surface imprinted core-shell nanorod with ultrathin water-compatible polymer brushes for specific recognition and adsorption of sulfamethazine in water medium. 2014 , 131, n/a-n/a	1
1858	Bioinspired bottle-brush polymer exhibits low friction and Amontons-like behavior. 2014 , 136, 6199-202	184

1857	Solid-phase incorporation of an ATRP initiator for polymer-DNA biohybrids. 2014 , 53, 2739-44	65
1856	Cyclic polymers and catenanes by atom transfer radical polymerization (ATRP). 2014 , 63, 803-813	17
1855	Macromolecular engineering by atom transfer radical polymerization. 2014 , 136, 6513-33	902
1854	A robust and versatile photoinduced living polymerization of conjugated and unconjugated monomers and its oxygen tolerance. 2014 , 136, 5508-19	629
1853	Synergistic Effect of 1-Butyl-3-methylimidazolium Hexafluorophosphate and DMSO in the SARA ATRP at Room Temperature Affording Very Fast Reactions and Polymers with Very Low Dispersity. 2014 , 3, 544-547	24
1852	A chaperonin as protein nanoreactor for atom-transfer radical polymerization. 2014 , 53, 1443-7	32
1851	Photoinduced atom transfer radical polymerization using semiconductor nanoparticles. 2014 , 35, 454-9	106
1850	Integration of renewable cellulose and rosin towards sustainable copolymers by μ grafting from μ ATRP. 2014 , 16, 1854	65
1849	An overview on silica aerogels synthesis and different mechanical reinforcing strategies. 2014 , 385, 55-74	407
1848	Chemical modification of lignins: Towards biobased polymers. 2014 , 39, 1266-1290	1140
1847	Towards sustainable polymer chemistry with homogeneous metal-based catalysts. 2014 , 16, 1673-1686	68
1846	Complex macromolecular architecture design via cyclodextrin host/guest complexes. 2014 , 39, 235-249	156
1845	AGET and SARA ATRP of styrene and methyl methacrylate mediated by pyridyl-imine based copper complexes. 2014 , 51, 12-20	7
1844	Sustainable thermoplastic elastomers derived from renewable cellulose, rosin and fatty acids. 2014 , 5, 3170	71
1843	Functional spaces in star and single-chain polymers via living radical polymerization. 2014 , 46, 664-673	57
1842	Block ionomer complexes consisting of siRNA and aRAFT-synthesized hydrophilic-block-cationic copolymers: the influence of cationic block length on gene suppression. 2014 , 5, 6967-6976	10
1841	Surface-initiated polymer brushes in the biomedical field: applications in membrane science, biosensing, cell culture, regenerative medicine and antibacterial coatings. 2014 , 114, 10976-1026	426
1840	Exploring quality in gradient copolymers. 2014 , 35, 133-140	27

1839	High-transparency polymer nanocomposites enabled by polymer-graft modification of particle fillers. 2014 , 30, 14434-42		49
1838	Perylene as an Organic Photocatalyst for the Radical Polymerization of Functionalized Vinyl Monomers through Oxidative Quenching with Alkyl Bromides and Visible Light. <i>Macromolecules</i> , 2014 , 47, 8255-8261	5-5	251
1837	An arm-first approach to cleavable mikto-arm star polymers by RAFT polymerization. 2014 , 35, 840-5		42
1836	Electrospun regenerated cellulose nanofibrous membranes surface-grafted with polymer chains/brushes via the atom transfer radical polymerization method for catalase immobilization. 2014 , 6, 20958-67		43
1835	Meander and Pearling of Single-Curvature Bilayer Interfaces in the Functionalized Cahn–Hilliard Equation. 2014 , 46, 3640-3677		22
1834	Synthesis of Thermal Degradable Poly(alkoxyamine) through a Novel Nitroxide Radical Coupling Step Growth Polymerization Mechanism. <i>Macromolecules</i> , 2014 , 47, 7812-7822	5-5	12
1833	Camptothecin prodrug block copolymer micelles with high drug loading and target specificity. 2014 , 5, 5320-5329		30
1832	Supramolecular X- and H-shaped star block copolymers via cyclodextrin-driven supramolecular self-assembly. 2014 , 5, 2461		33
1831	Emulsifier-free, organotellurium-mediated living radical emulsion polymerization (emulsion TERP) of styrene: poly(dimethylaminoethyl methacrylate) macro-TERP agent. 2014 , 5, 2784-2792		12
1830	Clicking fluorinated polyhedral oligomeric silsesquioxane onto polymers: a modular approach toward shape amphiphiles with fluorous molecular clusters. 2014 , 5, 3588		32
1829	Block copolymer-templated nitrogen-enriched nanocarbons with morphology-dependent electrocatalytic activity for oxygen reduction. 2014 , 5, 3315		37
1828	Narrowly dispersed imprinted microspheres with hydrophilic polymer brushes for the selective removal of sulfamethazine. 2014 , 4, 1965-1973		14
1827	Effects of molecular geometry on the self-assembly of giant polymer-dendron conjugates in condensed state. 2014 , 10, 3200-8		11
1826	Proteins as substrates for controlled radical polymerization. 2014 , 5, 1545-1558		44
1825	Reversible deactivation radical polymerization in the presence of zero-valent metals: from components to precise polymerization. 2014 , 5, 3533-3546		27
1824	Contribution of Photochemistry to Activator Regeneration in ATRP. <i>Macromolecules</i> , 2014 , 47, 6316-6324	5-5	72
1823	Controlled growth of DNA structures from repeating units using the vernier mechanism. 2014 , 15, 3002-8		7
1822	Shifting Electronic Structure by Inherent Tension in Molecular Bottlebrushes with Polythiophene Backbones. 2014 , 3, 738-742		14

1821	Glucose-containing diblock polycations exhibit molecular weight, charge, and cell-type dependence for pDNA delivery. 2014 , 15, 1716-26	44
1820	Poly(N-isopropylacrylamide) hydrogels fabricated via click chemistry: well-defined bis propargyl linear poly(N-isopropylacrylamide)s as crosslinkers. 2014 , 4, 51510-51518	7
1819	Recent progress in the chemical modification of syndiotactic polystyrene. 2014 , 5, 2663-2690	51
1818	Self-assembly and applications of poly(glycidyl methacrylate)s and their derivatives. 2014 , 50, 13201-15	80
1817	Fluorous microgel star polymers: selective recognition and separation of polyfluorinated surfactants and compounds in water. 2014 , 136, 15742-8	61
1816	Direct preparation of PNIPAM coating gold nanoparticles by catechol redox and surface adhesion chemistry. 2014 , 4, 11740-11749	26
1815	Absolutely copper catalyzed and perfected robust living polymerization of NIPAM: Guinness is good for SET-LRP. 2014 , 5, 57-61	71
1814	A supramolecular approach for fabrication of photo-responsive block-controllable supramolecular polymers. 2014 , 5, 5453	20
1813	New dialkoxyamine-trithiocarbonate for the synthesis of multiblock copolymers through in tandem RAFT/NMP. 2014 , 5, 3089-3097	11
1812	The first amphiphilic graft copolymer bearing a hydrophilic poly(2-hydroxyethyl acrylate) backbone synthesized by successive RAFT and ATRP. 2014 , 5, 4915-4925	20
1811	A smart synthesis of gold/polystyrene core-shell nanohybrids using TEMPO coated nanoparticles. 2014 , 4, 23876-23885	21
1810	Improvement of the control over SARA ATRP of 2-(diisopropylamino)ethyl methacrylate by slow and continuous addition of sodium dithionite. 2014 , 5, 4617-4626	27
1809	Hemostatic polymers: the concept, state of the art and perspectives. 2014 , 2, 3567-3577	42
1808	Synthesis of fluorinated alkoxyamines and alkoxyamine-initiated nitroxide-mediated precipitation polymerizations of styrene in supercritical carbon dioxide. 2014 , 5, 5725-5733	14
1807	Synthesis of conductive polyaniline-modified polymers via a combination of nitroxide-mediated polymerization and click chemistry. 2014 , 4, 28653-28663	34
1806	Hyperbranched polydendrons: a new controlled macromolecular architecture with self-assembly in water and organic solvents. 2014 , 5, 1844-1853	38
1805	Amphiphilic block copolymers featuring a reversible hetero Diels-Alder linkage. 2014 , 5, 5330-5338	31
1804	Synthesis of CO ₂ /N ₂ -triggered reversible stability-controllable poly(2-(diethylamino)ethyl methacrylate)-grafted-AuNPs by surface-initiated atom transfer radical polymerization. 2014 , 30, 12684-9	13

1803	Synthesis and characterization of pluronic-block-poly(N,N-dimethylamino-2-ethyl methacrylate) pentablock copolymers for drug/gene co-delivery systems. 2014 , 4, 31552		9
1802	An ABA triblock containing a central soft block of poly[2,5-di(n-hexogycarbonyl)styrene] and outer hard block of poly(4-vinylpyridine): synthesis, phase behavior and mechanical enhancement. 2014 , 4, 18431-18441		13
1801	Fabrication of corona-free nanoparticles with tunable hydrophobicity. 2014 , 8, 6748-55		239
1800	Copper(0)-Mediated Reversible-Deactivation Radical Polymerization: Kinetics Insight and Experimental Study. <i>Macromolecules</i> , 2014 , 47, 6218-6229	5-5	41
1799	Synthesis, characterization, and computational study of potential itaconimide-based initiators for atom transfer radical polymerization. 2014 , 4, 48163-48176		9
1798	Preparation of stimuli-responsive "mushroom-like" janus polymer particles as particulate surfactant by site-selective surface-initiated AGET ATRP in aqueous dispersed systems. 2014 , 30, 7823-32		71
1797	Aqueous lubricating properties of charged (ABC) and neutral (ABA) triblock copolymer chains. 2014 , 55, 4873-4883		10
1796	Straightforward synthesis route to polymersomes with simple molecules as precursors. 2014 , 30, 11267-71		6
1795	How are radicals (re)generated in photochemical ATRP?. 2014 , 136, 13303-12		216
1794	Fluorescent and chemico-fluorescent responsive polymers from dithiomaleimide and dibromomaleimide functional monomers. 2014 , 5, 2717		43
1793	Electrostatically controlled swelling and adsorption of polyelectrolyte brush-grafted nanoparticles to the solid/liquid interface. 2014 , 30, 4056-65		19
1792	A versatile tripodal Cu(I) reagent for C-N bond construction via nitrene-transfer chemistry: catalytic perspectives and mechanistic insights on C-H aminations/amidinations and olefin aziridinations. 2014 , 136, 11362-81		93
1791	Zwitterionic-based stainless steel with well-defined polysulfobetaine brushes for general bioadhesive control. 2014 , 6, 861-73		104
1790	Trimethylsilyl-substituted triazole-based ligand for copper-mediated single-electron transfer living radical polymerization of methyl methacrylate. 2014 , 63, 1869-1874		7
1789	A Supramolecular Approach to Photoresponsive Thermo/Solvoplastic Block Copolymer Elastomers. <i>Macromolecules</i> , 2014 , 47, 7099-7108	5-5	11
1788	Synthesis of poly(N-vinyl carbazole)-based block copolymers by sequential polymerizations of RAFT-ATRP. 2014 , 55, 6051-6057		25
1787	Initiators for Continuous Activator Regeneration Atom Transfer Radical Polymerization of Methyl Methacrylate and Styrene with N-Heterocyclic Carbene as Ligands for Fe-Based Catalysts. 2014 , 3, 944-947		30
1786	Polymeric nanoarchitectures on Ti-based implants for antibacterial applications. 2014 , 6, 17323-45		71

1785	Iron(II) complexes bearing anilido-imine ligands: Synthesis and catalysis on ATRP of methyl methacrylate. 2014 , 83, 236-241		7
1784	Case Study to Bridge the Gap between Chemistry and Chemical Product Engineering: From Molecules to Products Based on Brush Copolymers Having Different Backbone Composition Profiles. 2014 , 53, 1900-1908		9
1783	Synthesis, Characterization, and Aqueous Lubricating Properties of Amphiphilic Graft Copolymers Comprising 2-Methoxyethyl Acrylate. <i>Macromolecules</i> , 2014 , 47, 2019-2029	5.5	10
1782	Aqueous RDRP in the Presence of Cu ₀ : The Exceptional Activity of CuI Confirms the SARA ATRP Mechanism. <i>Macromolecules</i> , 2014 , 47, 560-570	5.5	165
1781	Polymerization of ethylene through reversible addition-fragmentation chain transfer (RAFT). 2014 , 53, 6683-6		65
1780	Amphiphilic Triblock Phospholipid Copolymers Bearing Phenylboronic Acid Groups for Spontaneous Formation of Hydrogels with Tunable Mechanical Properties. <i>Macromolecules</i> , 2014 , 47, 3128-3135	5.5	27
1779	Synthesis and Assembly of Novel Poly(organophosphazene) Structures Based on Noncovalent Host-Guest Inclusion Complexation. <i>Macromolecules</i> , 2014 , 47, 1065-1072	5.5	30
1778	Surface zwitterionization of titanium for a general bio-inert control of plasma proteins, blood cells, tissue cells, and bacteria. 2014 , 30, 7502-12		66
1777	Visible Light Induced Living/Controlled Radical Polymerization of Acrylates Catalyzed by Cobalt Porphyrins. <i>Macromolecules</i> , 2014 , 47, 6238-6245	5.5	79
1776	Effect of Thermal Self-Initiation on the Synthesis, Composition, and Properties of Particle Brush Materials. <i>Macromolecules</i> , 2014 , 47, 5501-5508	5.5	15
1775	Modeling Atom-Transfer Radical Polymerization of Butyl Acrylate. 2014 , 23, 279-287		10
1774	SPBLP/EP Measurement of Iron-Mediated Radical Termination in ATRP. <i>Macromolecules</i> , 2014 , 47, 6645-6651	5.5	18
1773	Adhesion and friction properties of polymer brushes: fluoro versus nonfluoro polymer brushes at varying thickness. 2014 , 30, 2068-76		37
1772	Straightforward ARGET ATRP for the Synthesis of Primary Amine Polymethacrylate with Improved Chain-End Functionality under Mild Reaction Conditions. <i>Macromolecules</i> , 2014 , 47, 4615-4621	5.5	30
1771	Synthesis of complex macromolecules using iterative copper(0)-mediated radical polymerization. 2014 , 52, 2083-2098		25
1770	Synthesis of Poly(ionic liquid)s by Atom Transfer Radical Polymerization with ppm of Cu Catalyst. <i>Macromolecules</i> , 2014 , 47, 6601-6609	5.5	44
1769	Synthesis of Polyacrylonitrile by ARGET Atom Transfer Radical Polymerization in the Presence of Zinc Powder and Its Adsorption Properties after Modification. 2014 , 53, 1632-1637		4
1768	Symmetric Poly(ethylene oxide-b-styrene-b-isoprene) Triblock Copolymers: Synthesis, Characterization, and Self-Assembly in Bulk and Thin Film. <i>Macromolecules</i> , 2014 , 47, 6373-6381	5.5	10

1767	Photochemically Mediated Atom Transfer Radical Polymerization Using Polymeric Semiconductor Mesoporous Graphitic Carbon Nitride. 2014 , 215, 675-681		99
1766	Preparation of gold nanoparticles in polystyrene- <i>b</i> -PEO block copolymers: the role of ultrasound. 2014 , 21, 1		4
1765	Single-Chain Folding of Diblock Copolymers Driven by Orthogonal H-Donor and Acceptor Units. <i>Macromolecules</i> , 2014 , 47, 5877-5888	5.5	50
1764	Synthesis of High Molecular Weight Polymethacrylates with Polyhedral Oligomeric Silsesquioxane Moieties by Atom Transfer Radical Polymerization.. 2014 , 3, 799-802		31
1763	Simplified TERP to achieve living free radical polymerization with crude ethyl 2-phenyltellanyl-2-methylpropionate as mediator. 2014 , 71, 1797-1811		1
1762	Photoinduced Electron Transfer-Reversible Addition-Fragmentation Chain Transfer (PET-RAFT) Polymerization of Vinyl Acetate and N-Vinylpyrrolidinone: Kinetic and Oxygen Tolerance Study. <i>Macromolecules</i> , 2014 , 47, 4930-4942	5.5	185
1761	Modeling of the Atom Transfer Radical Copolymerization Processes of Methyl Methacrylate and 2-(Trimethylsilyl) Ethyl Methacrylate under Batch, Semibatch, and Continuous Feeding: A Chemical Reactor Engineering Viewpoint. 2014 , 53, 11873-11883		20
1760	In the (Very) Long Run We Are All Dead: Activation and Termination in SET-LRP/SARA-ATRP.. 2014 , 3, 643-647		35
1759	Photoinduced Sequence-Controlled Copper-Mediated Polymerization: Synthesis of Decablock Copolymers.. 2014 , 3, 732-737		95
1758	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. 2014 , 57, 995-1001		16
1757	Synthesis of graft copolyimides via controlled radical polymerization of methacrylates with a polyimide macroinitiator. 2014 , 56, 118-126		21
1756	Synthesis of triblock and multiblock methacrylate polymers and self-assembly of stimuli responsive triblock polymers. 2014 , 52, 2548-2555		8
1755	Advances in Atom Transfer Radical Polymerization. 2014 , 63, 801-802		8
1754	Self-healing nanocomposites from silica @polymer core @shell nanoparticles. 2014 , 63, 915-923		34
1753	Facile preparation of cobaltocenium-containing polyelectrolyte via click chemistry and RAFT polymerization. 2014 , 35, 254-259		31
1752	Frustrated phases: polymeric self-assemblies in a 3D confinement. 2014 , 10, 2919-31		101
1751	Synthesis of cationic poly((3-acrylamidopropyl)trimethylammonium chloride) by SARA ATRP in ecofriendly solvent mixtures. 2014 , 5, 5829-5836		36
1750	Arm-cleavable microgel star polymers: a versatile strategy for direct core analysis and functionalization. 2014 , 136, 10254-7		34

1749	Dimerization of Poly(methyl methacrylate) Chains Using Radical Trap-Assisted Atom Transfer Radical Coupling. <i>Macromolecules</i> , 2014 , 47, 2226-2232	5.5	23
1748	Successful Miniemulsion ATRP Using an Anionic Surfactant: Minimization of Deactivator Loss by Addition of a Halide Salt. <i>Macromolecules</i> , 2014 , 47, 6230-6237	5.5	27
1747	UV Light as External Switch and Boost of Molar-Mass Control in Iodine-Mediated Polymerization. <i>Macromolecules</i> , 2014 , 47, 954-963	5.5	58
1746	Progress in Polymer Nanoreactors. 2014 , 193-225		1
1745	Exploitation of the Degenerative Transfer Mechanism in RAFT Polymerization for Synthesis of Polymer of High Livingness at Full Monomer Conversion. <i>Macromolecules</i> , 2014 , 47, 639-649	5.5	123
1744	AS1411 aptamer and folic acid functionalized pH-responsive ATRP fabricated pPEGMA-PCL-pPEGMA polymeric nanoparticles for targeted drug delivery in cancer therapy. 2014 , 15, 1737-52		95
1743	Role of non-covalent and covalent interactions in cargo loading capacity and stability of polymeric micelles. 2014 , 193, 9-26		86
1742	Controlled Radical Polymerization of Acrylates Regulated by Visible Light.. 2014 , 3, 580-584		218
1741	High pressure polymerization of glycidol. Kinetics studies. 2014 , 55, 1984-1990		10
1740	Clickable poly(ionic liquids) for modification of glass and silicon surfaces. 2014 , 55, 3330-3338		26
1739	Perpendicular oriented cylinders via directional coalescence of spheres embedded in block copolymer films induced by solvent annealing. 2014 , 55, 1601-1608		7
1738	Nitroxide-mediated radical ring-opening copolymerization: chain-end investigation and block copolymer synthesis. 2014 , 35, 484-91		42
1737	Synthesis and Single-Chain Folding of Amphiphilic Random Copolymers in Water. <i>Macromolecules</i> , 2014 , 47, 589-600	5.5	163
1736	Critical salt effects in the swelling behavior of a weak polybasic brush. 2014 , 30, 1827-36		55
1735	Preparation and Analysis of Bicyclic Polystyrene. <i>Macromolecules</i> , 2014 , 47, 3791-3796	5.5	32
1734	NaBH ₃ CN: A Janus Substitute for Tin-Free Radical-Based Reactions. 2014 , 2014, 4461-4466		11
1733	Epoxides as reducing agents for low-catalyst-concentration atom transfer radical polymerization. 2014 , 35, 186-192		23
1732	Selective functionalization of PI by metal-mediated C-P bond formation. 2014 , 53, 7639-42		68

1731	SARA ATRP or SET-LRP. End of controversy?. 2014 , 5, 4409	231
1730	Pushing the Limit of the RAFT Process: Multiblock Copolymers by One-Pot Rapid Multiple Chain Extensions at Full Monomer Conversion. <i>Macromolecules</i> , 2014 , 47, 3451-3460	5-5 179
1729	Functional Polyolefins from the Coordination Copolymerization of Vinyl Monomers. 2014 , 29-53	2
1728	Oxygen Tolerance Study of Photoinduced Electron Transfer Reversible Addition Fragmentation Chain Transfer (PET-RAFT) Polymerization Mediated by Ru(bpy) ₃ Cl ₂ . <i>Macromolecules</i> , 2014 , 47, 4217-4225	5-5 235
1727	Characterization of an amylose-graft-poly(n-butyl methacrylate) copolymer obtained by click chemistry by EPR and SS-NMR spectroscopies. 2014 , 112, 245-54	16
1726	Recent advances in the controlled radical (co) polymerization of fluoroalkenes and applications therefrom. 2014 , 45, 3124-3133	11
1725	Surface-initiated atom transfer radical polymerization from chitin nanofiber macroinitiator film. 2014 , 112, 119-24	19
1724	Synthesis of star polymers by core-first one-pot method via ATRP: Monte Carlo simulations. 2014 , 55, 2552-2561	17
1723	Synthesis of sterically stabilized perfluorinated aqueous latices. 2014 , 442, 123-131	8
1722	Synthesis of a photoactive gemini surfactant and its use in AGET ATRP miniemulsion polymerisation and UV curing. 2014 , 68,	6
1721	Stimuli-Responsive Hydrogels Using Biomolecular Functions. 2014 , 71, 125-142	
1720	Nanoanesthesia: a novel, intravenous approach to ankle block in the rat by magnet-directed concentration of ropivacaine-associated nanoparticles. 2014 , 118, 1355-62	12
1719	Ein Chaperonin als Protein-Nanoreaktor für die radikalische Atomtransferpolymerisation. 2014 , 126, 1467-1472	2
1718	The effect of side chains on the reactive rate and surface wettability of pentablock copolymers by ATRP. 2014 , 131, n/a-n/a	1
1717	Solid-Phase Incorporation of an ATRP Initiator for Polymer-DNA Biohybrids. 2014 , 126, 2777-2782	21
1716	Polymer brushes for improvement of dry adhesion in biomimetic dry adhesives. 2014 , 11, 636	5
1715	Microwave-Assisted Controlled Radical Polymerization. 2014 , 131-147	3
1714	Synthesis and thin-film self-assembly of radical-containing diblock copolymers. 2015 , 5, 257-263	11

- 1713 Synthesis of a Denitrification Adsorbent with Large Surface Area and Specific Pore Structure for the Removal of Indole from Fuel Oil. **2015**, 33, 441-456
- 1712 Amines as activators of the controlled polymer synthesis in the presence of ruthenacarboranes. **2015**, 64, 1942-1948 7
- 1711 Living radical polymerization of vinyl acetate mediated by iron(III) acetylacetonate in the presence of a reducing agent. **2015**, 5, 96345-96352 3
- 1710 Nanogel-Mediated RNAi Against Runx2 and Osx Inhibits Osteogenic Differentiation in Constitutively Active BMPR1A Osteoblasts. **2015**, 1, 1139-1150 12
- 1709 Synthesis of polyacrylonitrile mediated by manganese(III) acetylacetonate (Mn(acac)₃) and 2-cyanoprop-2-yl dithionaphthalenoate. **2015**, 53, 1305-1309 5
- 1708 Multifunctional Hydrogels with Reversible 3D Ordered Macroporous Structures. **2015**, 2, 1500069 19
- 1707 Graft Polymerization of Acrylic Acid on the Surface of Mono-Disperse Polymer Particles Using RAFT Agents. **2015**, 72, 184-189
- 1706 Gradients in Polymers. **2015**, 3651-3664
- 1705 Strategies for preparing fluorescently labelled polymer nanoparticles. **2015**, 64, 174-182 56
- 1704 Cholesterol in Nanobiotechnology. **2015**, 1, 335-385 1
- 1703 Star Polymers for Biomedical Applications. **2015**, 72, 410-420
- 1702 Radical Polymerization Reaction of Styrene-Based Monomers Catalyzed by Iron Complexes Bearing β -Aminoketonato Ligand. **2015**, 72, 306-317 2
- 1701 Experimental design and analysis of activators regenerated by electron transfer-atom transfer radical polymerization experimental conditions for grafting sodium styrene sulfonate from titanium substrates. **2015**, 33, 05E131 7
- 1700 AGET ATRP of Poly[poly(ethylene glycol) methyl ether methacrylate] Catalyzed by Hydrophobic Iron(III)Porphyrins. **2015**, 216, 2032-2039 9
- 1699 Temperature and pH responsive hydrogels based on polyethylene glycol analogues and poly(methacrylic acid) via click chemistry. **2015**, 64, 1415-1424 10
- 1698 An old kinetic method for a new polymerization mechanism: Toward photochemically mediated ATRP. **2015**, 61, 1947-1958 38
- 1697 Mechanically Robust and Self-Healable Superlattice Nanocomposites by Self-Assembly of Single-Component "Sticky" Polymer-Grafted Nanoparticles. **2015**, 27, 3934-41 90
- 1696 Effiziente photochemische Verfahren für die räumlich aufgelöste Oberflächenfunktionalisierung. **2015**, 127, 11548-11564 19

1695	Photo-Induced atom transfer radical polymerization with nanosized Fe_2O_3 as photoinitiator. 2015 , 132, n/a-n/a	10
1694	Kinetic insight into electrochemically mediated ATRP gained through modeling. 2015 , 61, 4347-4357	35
1693	Efficient Photochemical Approaches for Spatially Resolved Surface Functionalization. 2015 , 54, 11388-403	78
1692	Reactive ABA-Type Triblock Phospholipid Copolymer by ATRP and Its Chemical Functionalizations. 2015 , 354, 104-110	1
1691	Copper and iron complexes as visible-light-sensitive photoinitiators of polymerization. 2015 , 53, 2673-2684	51
1690	Self-Assembling Amphiphilic Hyperbranched PolyglycerolPolystyrene Copolymers for Encapsulation. 2015 , 216, 1729-1736	4
1689	Low glass transition temperature poly(ionic liquid) prepared from a new quaternary ammonium cationic monomer. 2015 , 26, 823-828	8
1688	Styrene ATRP using the new initiator 2,2,2-tribromoethanol: Experimental and simulation approach. 2015 , 55, 2270-2276	14
1687	Multifunctional Amphiphilic Nanoparticles Featuring (Bio)Degradable Core and Dual-Responsive Shell as Biomedical Platforms for Controlled Release. 2015 , 216, 2287-2301	5
1686	Synthesis of Amphiphilic Three-Armed Star Random Copolymers via Living Radical Polymerization and their Unimolecular Folding Properties in Water. 2015 , 350, 76-85	24
1685	Makromolekulare Oberflächen: Photomusterung mit funktionellen stabilen Nitroxiden. 2015 , 127, 5869-5875	10
1684	Redox Active Compounds in Controlled Radical Polymerization and Dye-Sensitized Solar Cells: Mutual Solutions to Disparate Problems. 2015 , 21, 18516-27	10
1683	Recent progress in sustainable polymers obtained from cyclic terpenes: synthesis, properties, and application potential. 2015 , 8, 2455-71	109
1682	Synthesis and Characterization of Four-Arm Star Polystyrene Based on a Novel Tetrafunctional RAFT Agent. 2015 , 216, 1562-1572	8
1681	Reverse iodine transfer polymerization of vinyl acetate and vinyl benzoate: synthesis and characterization of homo- and copolymers. 2015 , 64, 1808-1819	3
1680	Recent Progress on Transition Metal Catalyst Separation and Recycling in ATRP. 2015 , 36, 1702-21	67
1679	Surface Grafting via Photo-Induced Copper-Mediated Radical Polymerization at Extremely Low Catalyst Concentrations. 2015 , 36, 1681-6	42
1678	Electrochemical Approach to Copper-Catalyzed Reversed Atom Transfer Radical Cyclization. 2015 , 357, 782-792	16

1677	Synthesis and characterization of sulfonated fluorinated block copolymer membranes with different esterified initiators for DMFC applications. 2015 , 132, n/a-n/a		4
1676	Copper (I) ion stabilized on Fe ₃ O ₄ -core ethylated branched polyethyleneimine-shell as magnetically recyclable catalyst for ATRP reaction. 2015 , 132, n/a-n/a		3
1675	Benzoyl Peroxide/2-Vinylpyridine Synergy in RAFT Polymerization: Synthesis of Poly(2-vinylpyridine) with Low Dispersity at Ambient Temperature. 2015 , 216, 1646-1652		18
1674	A Novel Janus Initiator for ATRP: Initiator Design and Application in Polymerization. 2015 , 216, 1653-1659		2
1673	Filling polymersomes with polymers by peroxidase-catalyzed atom transfer radical polymerization. 2015 , 36, 507-14		42
1672	Synthesis of Cross-Linked Polymeric Micelle pH Nanosensors: An Investigation of Design Flexibility. 2015 , 36, 1598-604		2
1671	Recent developments in copper-catalyzed radical alkylations of electron-rich systems. 2015 , 11, 2278-88		26
1670	Applications of Thermoresponsive Magnetic Nanoparticles. 2015 , 2015, 1-12		16
1669	. 2015 ,		16
1668	Cyclotetrasiloxane frameworks for the chemoenzymatic synthesis of oligoesters. 2015 , 5, 1999-2008		5
1667	Macromolecular Design via an Organocatalytic, Monomer-Specific and Temperature-Dependent "On/Off Switch". High Precision Synthesis of Polyester/Polycarbonate Multiblock Copolymers. <i>Macromolecules</i> , 2015 , 48, 1703-1710	5-5	37
1666	Catalyst Activity in ATRP, Determining Conditions for Well-Controlled Polymerizations. 2015 , 87-103		2
1665	Surface-Initiated Atom Transfer Radical Polymerization. 2015 , 29-76		40
1664	Electrochemical fabrication of polymerized imidazole-based ionic liquid bearing pyrrole moiety for sensitive determination of hexestrol in chicken meat. 2015 , 180, 142-149		11
1663	Synthesis of Nanocapsules and Polymer/Inorganic Nanoparticles Through Controlled Radical Polymerization At and Near Interfaces in Heterogeneous Media. 2015 , 123-161		12
1662	Polydimethylsiloxane-Based Diblock Copolymer Nano-objects Prepared in Nonpolar Media via RAFT-Mediated Polymerization-Induced Self-Assembly. <i>Macromolecules</i> , 2015 , 48, 3547-3555	5-5	58
1661	Polymethacrylates with Polyhedral Oligomeric Silsesquioxane (POSS) Moieties: Influence of Spacer Length on Packing, Thermodynamics, and Dynamics. <i>Macromolecules</i> , 2015 , 48, 3376-3385	5-5	33
1660	Unprecedented Control over the Acrylate and Acrylamide Polymerization in Aqueous and Organic Media. 2015 , 29-45		3

1659	Synthesis of PEGylated brush-type copolymers for a plurality of plug-and-play functions. 2015 , 5, 50019-50023	2
1658	Bioinspired dry adhesive: Poly(dimethylsiloxane) grafted with poly(2-ethylhexyl acrylate) brushes. 2015 , 68, 432-440	10
1657	Visible Light Photoinitiated Metal-Free Living Cationic Polymerization of 4-Methoxystyrene. 2015 , 137, 7580-3	130
1656	Polymer-Tethered Nanoparticle Materials—An Emerging Platform for Multifunctional Hybrid Materials. 2015 , 65-94	1
1655	Hyperbranched Polydendrons. 2015 ,	1
1654	Synthesis and characterization of polystyrene-block-poly(vinylbenzoic acid): a promising compound for manipulating photoresponsive properties at the nanoscale. 2015 , 50, 2788-2796	11
1653	Preparation of chitosan-graft-polyacrylamide magnetic composite microspheres for enhanced selective removal of mercury ions from water. 2015 , 455, 261-70	84
1652	A facile controllable coating of carbonyl iron particles with poly(glycidyl methacrylate): a tool for adjusting MR response and stability properties. 2015 , 3, 4646-4656	72
1651	Photoinduced Atom Transfer Radical Polymerization with ppm-Level Cu Catalyst by Visible Light in Aqueous Media. 2015 , 137, 15430-3	188
1650	Recent Advances in Macromolecularly Imprinted Polymers by Controlled Radical Polymerization Techniques. 2015 , 3,	6
1649	Matrix-free Particle Brush System with Bimodal Molecular Weight Distribution Prepared by SI-ATRP. <i>Macromolecules</i> , 2015 , 48, 8208-8218	5-5 48
1648	RDRP in the presence of Cu ₀ : The fate of Cu(I) proves the inconsistency of SET-LRP mechanism. 2015 , 72, 238-245	66
1647	In-Situ Gelling Polymers. 2015 ,	1
1646	Toward industrial grafting of cellulosic substrates via ARGET ATRP. 2015 , 132, n/a-n/a	19
1645	Simplified Electrochemically Mediated Atom Transfer Radical Polymerization using a Sacrificial Anode. 2015 , 127, 2418-2422	16
1644	A Tandem Controlled Radical Polymerization Technique for the Synthesis of Poly(4-vinylpyridine) Block Copolymers: Successive ATRP, SET-NRC, and NMP. 2015 , 216, 329-333	6
1643	Magnetic resonance imaging of tumor with a self-traceable phosphorylcholine polymer. 2015 , 137, 799-806	16
1642	Core-shell structured poly(glycidyl methacrylate)/BaTiO ₃ nanocomposites prepared by surface-initiated atom transfer radical polymerization: A novel material for high energy density dielectric storage. 2015 , 53, 719-728	39

- 1641 Synthesis of functional block copolymers and terpolymers containing polyglycidyl methacrylate blocks. **2015**, 53, 675-684 9
- 1640 Stackable, Covalently Fused Gels: Repair and Composite Formation. *Macromolecules*, **2015**, 48, 1169-1178,5 25
- 1639 Fluorinated microgel star polymers as fluororous nanocapsules for the encapsulation and release of perfluorinated compounds. **2015**, 6, 5663-5674 12
- 1638 Functional porous membranes from amorphous linear dendritic polyester hybrids. **2015**, 6, 2390-2395 10
- 1637 Modeling and theoretical development in controlled radical polymerization. **2015**, 45, 71-101 89
- 1636 Oligothiophene-containing polymer brushes by ROMP and RAFT: Synthesis, characterization and dielectric properties. **2015**, 72, 428-435 13
- 1635 ATRP-based polymers with modular ligation points under thermal and thermomechanical stress. **2015**, 6, 2854-2868 16
- 1634 Controlled Pd(0)/t-Bu3P-Catalyzed Suzuki Cross-Coupling Polymerization of AB-Type Monomers with ArPd(t-Bu3P)X or Pd2(dba)3/t-Bu3P/ArX as the Initiator. *Macromolecules*, **2015**, 48, 967-978 5.5 41
- 1633 Surface-area expansion with monolithic open tubular columns. **2015**, 67, 16-25 38
- 1632 Atom Transfer Radical Addition/Polymerization of Perfluorosulfonic Acid Polymer with the CF Bonds as Reactive Sites. **2015**, 4, 197-201 24
- 1631 Photoinduced atom transfer radical polymerization in a polar solvent to synthesize a water-soluble poly(2-methacryloyloxyethyl phosphorylcholine) and its block-type copolymers. **2015**, 61, 55-60 24
- 1630 Well-controlled atom transfer radical polymerizations of acrylates using recyclable niobium complex nanoparticle as photocatalyst under visible light irradiation. **2015**, 61, 198-203 28
- 1629 Diffusion-regulated phase-transfer catalysis for atom transfer radical polymerization of methyl methacrylate in an aqueous/organic biphasic system. **2015**, 36, 538-46 20
- 1628 Properties and ATRP activity of copper complexes with substituted tris(2-pyridylmethyl)amine-based ligands. **2015**, 54, 1474-86 60
- 1627 Electrochemically mediated ATRP of acrylamides in water. **2015**, 60, 302-307 73
- 1626 Synthesis of well-defined telechelic multiblock copolymers in aqueous medium: in situ generation of diols. **2015**, 6, 2226-2233 49
- 1625 Reduction-sensitive amphiphilic triblock copolymers self-assemble into stimuli-responsive micelles for drug delivery. **2015**, 15, 481-9 17
- 1624 One-Pot Synthesis of Multifunctional Polymers by Light-Controlled Radical Polymerization and Enzymatic Catalysis with *Candida antarctica* Lipase B. **2015**, 36, 2092-6 10

1623	Intelligent Nanoparticles for Advanced Drug Delivery in Cancer Treatment. 2015 , 7, 84-92	79
1622	Simplified electrochemically mediated atom transfer radical polymerization using a sacrificial anode. 2015 , 54, 2388-92	109
1621	Ambient temperature living radical copolymerization of styrene and methyl methacrylate with sodium hypophosphite as reducing agent. 2015 , 33, 362-370	5
1620	Computational organic chemistry: bridging theory and experiment in establishing the mechanisms of chemical reactions. 2015 , 137, 1706-25	222
1619	Synthesis, postmodification and fluorescence properties of reduction-cleavable core-couplable miktoarm stars with a branched core. 2015 , 6, 1474-1486	17
1618	A silver bullet: elemental silver as an efficient reducing agent for atom transfer radical polymerization of acrylates. 2015 , 137, 1428-31	65
1617	Well-controlled and stable emulsion ATRP of MMA with low surfactant concentration using surfactant-ligand design as the copper capture agent. 2015 , 6, 2837-2843	20
1616	Kinetic Investigations of Cu-Mediated ATRP in Aqueous Solution. 2015 , 216, 894-902	19
1615	Synthesis of functional polymers based on methacrylic monomers using ruthenium carborane complexes. 2015 , 57, 1-8	6
1614	Facile synthesis of A ₂ mB ₂ n-type starlike copolymers with two types of V-shaped arms by combination of RAFT, ATRP and ROP processes. 2015 , 64, 249-259	8
1613	Cationic Nanogel-mediated Runx2 and Osterix siRNA Delivery Decreases Mineralization in MC3T3 Cells. 2015 , 473, 2139-49	17
1612	A functionalized, injectable hydrogel for localized drug delivery with tunable thermosensitivity: synthesis and characterization of physical and toxicological properties. 2015 , 208, 76-84	36
1611	Magnetic nanomaterials with near-infrared pH-activatable fluorescence via iron-catalyzed AGET ATRP for tumor acidic microenvironment imaging. 2015 , 3, 2786-2800	29
1610	Star polymers: Advances in biomedical applications. 2015 , 46, 55-85	264
1609	Anion-specific effects on the behavior of pH-sensitive polybasic brushes. 2015 , 31, 3707-17	50
1608	Two decades of molecular brushes by ATRP. 2015 , 72, 413-421	33
1607	Iron catalysis in organic synthesis. 2015 , 115, 3170-387	1237
1606	RAFT synthesis of polyethylene glycol (PEG) and amino-functionalized amphiphilic copolymers for dispersing carbon nanofibers. 2015 , 5, 23683-23690	4

1605	Self-assembly concepts for multicompartment nanostructures. 2015 , 7, 11841-76		244
1604	Synthesis of Poly(n-butyl methacrylate-co-pentaerythritoltriacrylate) Gel Mediated by Cu(0)/CPDN and its Oil Absorbent Properties. 2015 , 150610065806005		
1603	Disulfide-Functionalized Unimolecular Micelles as Selective Redox-Responsive Nanocarriers. 2015 , 16, 2872-83		23
1602	Expanding the Scope of RAFT Polymerization: Recent Advances and New Horizons. <i>Macromolecules</i> , 2015 , 48, 5459-5469	5-5	343
1601	Nanocomposites of graphene/polymers: a review. 2015 , 5, 68014-68051		177
1600	Controlled in situ formation of polyacrylamide hydrogel on PET surface via SI-ARGET-ATRP for wound dressings. 2015 , 349, 695-704		32
1599	Macrocyclic poly(methyl acrylate) and macrocyclic poly(methyl acrylate-block-styrene) synthesized by radical trap-assisted atom transfer radical coupling. 2015 , 68, 284-292		13
1598	Deposition of zwitterionic polymer brushes in a dense gas medium. 2015 , 448, 156-62		6
1597	Engineering Thermoswitchable Lithographic Hybrid Gold Nanorods as Plasmonic Devices for Sensing and Active Plasmonics Applications. 2015 , 2, 1199-1208		36
1596	Visible-Light-Induced Living Radical Polymerization (LRP) Mediated by (salen)Co(II)/TPO at Ambient Temperature. <i>Macromolecules</i> , 2015 , 48, 5132-5139	5-5	35
1595	Ready access to end-functional polystyrenes via a combination of ARGET ATRP and thiol-ene chemistry. 2015 , 6, 6931-6935		11
1594	Kinetics of Fe-Mediated ATRP with Triarylphosphines. <i>Macromolecules</i> , 2015 , 48, 4431-4437	5-5	26
1593	Methods of controlled radical polymerization for the synthesis of polymer brushes. 2015 , 57, 3-19		17
1592	Polymer@MOF@MOF: "grafting from" atom transfer radical polymerization for the synthesis of hybrid porous solids. 2015 , 51, 11994-6		77
1591	Synthesis of multi-functional nanocapsules via interfacial AGET ATRP in miniemulsion for tumor micro-environment responsive drug delivery. 2015 , 134, 188-95		20
1590	A Synthetic and Multispectroscopic Speciation Analysis of Controlled Radical Polymerization Mediated by AmineBis(phenolate)iron Complexes. <i>Macromolecules</i> , 2015 , 48, 4329-4338	5-5	27
1589	PEO-b-PNIPAM copolymers via SARA ATRP and eATRP in aqueous media. 2015 , 71, 143-147		60
1588	Iron-based catalytic systems in atom-transfer controlled-radical-polymerization processes. 2015 , 57, 32-64		8

1587	Fabrication of nanostructured and microstructured chitin materials through gelation with suitable dispersion media. 2015 , 5, 12736-12746		46
1586	Prop-2-yn-1-yl 2-Bromo-2-methylpropanoate: Identification and Suppression of Side Reactions of a Commonly Used Terminal Alkyne-Functional ATRP Initiator. <i>Macromolecules</i> , 2015 , 48, 3803-3810	5-5	10
1585	Surface-initiated controlled radical polymerizations from silica nanoparticles, gold nanocrystals, and bionanoparticles. 2015 , 6, 5143-5184		95
1584	Alkoxyamine-functionalized latex nanoparticles through RAFT polymerization-induced self-assembly in water. 2015 , 6, 5405-5413		30
1583	Determining the effect of side reactions on product distributions in RAFT polymerization by MALDI-TOF MS. 2015 , 6, 5437-5450		26
1582	Tris(2-pyridylmethyl)amine Based Ligands in Copper Catalyzed Atom Transfer Radical Addition (ATRA) and Polymerization (ATRP). 2015 , 105-128		3
1581	Synthesis of Polyvinyltetrazole Resin by Combination of RAFT Polymerization and Click Chemistry for Adsorption of Hg(II). 2015 , 52, 707-712		14
1580	Synthesis of hydroxyapatite particles with in situ immobilized ATRP initiator. 2015 , 72, 348-355		7
1579	A convenient synthesis strategy for microphase-separating functional copolymers: the cyclohydrocarbosilane tool box. 2015 , 6, 5653-5662		9
1578	Polymeric Surfactants: Synthesis, Properties, and Links to Applications. 2015 , 115, 8504-63		191
1577	The Coil-to-Globule Transition of Single-Chain Polymeric Nanoparticles with a Chiral Internal Secondary Structure. <i>Macromolecules</i> , 2015 , 48, 3949-3956	5-5	42
1576	Polymerization and degradation of aliphatic polyesters synthesized by atom transfer radical polyaddition. 2015 , 6, 4565-4574		10
1575	The effect of ligand, solvent and Cu(0) source on the efficient polymerization of polyether acrylates and methacrylates in aqueous and organic media. 2015 , 6, 5940-5950		25
1574	Speciation Analysis in Iron-Mediated ATRP Studied via FT-Near-IR and Mössbauer Spectroscopy. <i>Macromolecules</i> , 2015 , 48, 1981-1990	5-5	17
1573	A simple route to deuterated polystyrene block copolymers by reverse iodine transfer polymerisation. 2015 , 6, 3236-3244		5
1572	Preparation of size-controlled polymer particles by polymerization of O/W emulsion monomer droplets obtained through phase inversion temperature emulsification using amphiphilic comb-like block polymers. 2015 , 482, 68-78		17
1571	Gamma radiation induced synthesis of poly(N-isopropylacrylamide) mediated by Reversible Addition Fragmentation Chain Transfer (RAFT) process. 2015 , 112, 76-82		7
1570	Thermoresponsive polymer coated gold nanoparticles: from MADIX/RAFT copolymerization of N-vinylpyrrolidone and N-vinylcaprolactam to salt and temperature induced nanoparticle aggregation. 2015 , 5, 42388-42398		20

1569	Corn starch-based graft copolymers prepared via ATRP at the molecular level. 2015 , 6, 3480-3488		45
1568	Well-defined biohybrids using reversible-deactivation radical polymerization procedures. 2015 , 205, 45-57		49
1567	Fluorinated Microgels in Star Polymers: From In-Core Dynamics to Fluorous Encapsulation. <i>Macromolecules</i> , 2015 , 48, 2901-2908	5-5	8
1566	Rapid synthesis of ultrahigh molecular weight and low polydispersity polystyrene diblock copolymers by RAFT-mediated emulsion polymerization. 2015 , 6, 3865-3874		126
1565	Evolution of high-temperature molecular relaxations in poly(2-(2-methoxyethoxy)ethyl methacrylate) upon network formation. 2015 , 293, 1357-1367		9
1564	Rapid ambient temperature living radical polymerization of methyl methacrylate and styrene utilizing sodium hypophosphite as reducing agent. 2015 , 132, n/a-n/a		
1563	Elastic polyesters improved by ATRP as reactive epoxy-modifiers of PLA. 2015 , 72, 307-316		13
1562	Modification of polythiophene by the incorporation of processable polymeric chains: Recent progress in synthesis and applications. 2015 , 47, 26-69		105
1561	Synthesis and self-assembly of temperature-responsive copolymers based on -vinylpyrrolidone and triethylene glycol methacrylate. 2015 , 6, 4116-4122		13
1560	Selective Cell Adhesion and Biosensing Applications of Bio-Active Block Copolymers Prepared by CuAAC/Thiol-ene Double Click Reactions. 2015 , 15, 1233-41		21
1559	Enlightening the Mechanism of Copper Mediated PhotoRDRP via High-Resolution Mass Spectrometry. 2015 , 137, 6889-96		98
1558	Imidazolium-Based Poly(Ionic Liquid) Block Copolymers. 2015 , 69-102		3
1557	RAFT Polymerization Then and Now. 2015 , 211-246		35
1556	Catalyst-Free Visible Light-Induced RAFT Photopolymerization. 2015 , 247-267		77
1555	Side-Chain Cobaltocenium-Containing Polymers: Controlled Polymerization and Applications. 2015 , 15-27		3
1554	Photocatalyzed Cu-Based ATRP Involving an Oxidative Quenching Mechanism under Visible Light. <i>Macromolecules</i> , 2015 , 48, 1972-1980	5-5	90
1553	Polymerization-induced thermal self-assembly (PITSA). 2015 , 6, 1230-1236		262
1552	One-pot synthesis of poly(L-lactide)-b-poly(methyl methacrylate) block copolymers. 2015 , 5, 38243-38247		15

1551	Modeling free radical polymerization using dissipative particle dynamics. 2015 , 72, 217-225	31
1550	Sustainable thermoplastic elastomers derived from plant oil and their click-coupling via TAD chemistry. 2015 , 17, 3806-3818	65
1549	Enzyme mimetic-catalyzed ATRP and its application in block copolymer synthesis combined with enzymatic ring-opening polymerization. 2015 , 5, 42728-42735	19
1548	Amide group-containing polar solvents as ligands for iron-catalyzed atom transfer radical polymerization of methyl methacrylate. 2015 , 5, 43724-43732	14
1547	Preparation of complex multiblock copolymers via aqueous RAFT polymerization at room temperature. 2015 , 6, 4875-4886	80
1546	Facile synthesis of nucleic acid-polymer amphiphiles and their self-assembly. 2015 , 51, 7843-6	28
1545	Isosorbide-based Polymethacrylates. 2015 , 3, 662-667	69
1544	Macromolecular surface design: photopatterning of functional stable nitrile oxides. 2015 , 54, 5777-83	34
1543	Novel comb polymers from alternating N-acylated poly(aminoester)s obtained by spontaneous zwitterionic copolymerisation. 2015 , 51, 16213-6	22
1542	Improved control through a semi-batch process in RAFT-mediated polymerization utilizing relatively poor leaving groups. 2015 , 6, 7945-7948	13
1541	Ambient Temperature Cu^{I} -Mediated ATRP of Methyl Acrylate in Water/Ionic Liquid/Glycol Mixtures. <i>Macromolecules</i> , 2015 , 48, 6810-6815	5-5 23
1540	New supported-catalytic systems for atom transfer radical polymerization. 2015 , 77, 199-207	5
1539	Controlled Architecture of Dual-Functional Block Copolymer Brushes on Thin-Film Composite Membranes for Integrated "Defending" and "Attacking" Strategies against Biofouling. 2015 , 7, 23069-79	168
1538	Photoinduced Fe-Based Atom Transfer Radical Polymerization in the Absence of Additional Ligands, Reducing Agents, and Radical Initiators. <i>Macromolecules</i> , 2015 , 48, 6948-6954	5-5 86
1537	Synthesis and morphology of polyacrylate-poly(dimethyl siloxane) block copolymers for membrane application. 2015 , 23, 898-908	8
1536	Bright Fluorescent Nanotags from Bottlebrush Polymers with DNA-Tipped Bristles. 2015 , 1, 431-8	50
1535	Challenges and developments of self-assembled monolayers and polymer brushes as a green lubrication solution for tribological applications. 2015 , 5, 89698-89730	39
1534	Enzyme-Initiated Reversible Addition-Fragmentation Chain Transfer Polymerization. <i>Macromolecules</i> , 2015 , 48, 7792-7802	5-5 113

- 1533 Influence of intramolecular crosslinking on gelation in living copolymerization of monomer and divinyl cross-linker. Monte Carlo simulation studies. **2015**, 79, 171-178 15
- 1532 Tunable pH- and CO₂-Responsive Sulfonamide-Containing Polymers by RAFT Polymerization. *Macromolecules*, **2015**, 48, 5487-5495 5-5 32
- 1531 Diselenide mediated controlled radical polymerization under visible light irradiation: mechanism investigation and self-healing telechelic polymers. **2015**, 6, 6416-6423 17
- 1530 Poly(4-vinylpyridine)-block-poly(N-acryloylpiperidine) diblock copolymers: synthesis, self-assembly and interaction. **2015**, 6, 7015-7026 18
- 1529 Ligand switch in photoinduced copper-mediated polymerization: synthesis of methacrylate-*acrylate* block copolymers. **2015**, 6, 6488-6497 40
- 1528 Comprehensive Study on the Controlled Plasmon-Enhanced Photocatalytic Activity of Hybrid Au/ZnO Systems Mediated by Thermoresponsive Polymer Linkers. **2015**, 7, 21073-81 27
- 1527 Preparation and characterization of an azide-alkyne cycloaddition based self-healing system via a semiencapsulation method. **2015**, 5, 92480-92489 8
- 1526 ATRP catalysed by ruthenacarboranes for successful synthesis of random and block-copolymers based on methacrylic monomers. **2015**, 22, 1 8
- 1525 Multifunctional Carbon for Electrochemical Double-Layer Capacitors. **2015**, 25, 6775-6785 32
- 1524 A thermoresponsive polymer supporter for concerted catalysis of ferrocene with a ruthenium catalyst in living radical polymerization: high activity and efficient removal of metal residues. **2015**, 6, 7821-7826 8
- 1523 One-step grafting of polymers to graphene oxide. **2015**, 6, 8270-8274 31
- 1522 Introduction to the special issue of Polymer on Macromolecular Engineering dedicated to Professor Krzysztof Matyjaszewski on the occasion of his 65th birthday. **2015**, 72, 212-216
- 1521 Polymer Brushes with Precise Architectures for Molecular Biorecognition. **2015**, 273-303
- 1520 Synthesis of Hindered α -Amino Carbonyls: Copper-Catalyzed Radical Addition with Nitroso Compounds. **2015**, 137, 11614-7 54
- 1519 Reversible deactivation radical polymerization of polyfunctional monomers. **2015**, 57, 20-31 10
- 1518 Progress in side-chain thiophene-containing polymers: synthesis, properties and applications. **2015**, 58, 1641-1650 12
- 1517 Effective Bone Regeneration Using Thermosensitive Poly(N-Isopropylacrylamide) Grafted Gelatin as Injectable Carrier for Bone Mesenchymal Stem Cells. **2015**, 7, 19006-15 66
- 1516 Kinetics of AmineBis(phenolate) Iron-Mediated ATRP Up to High Pressure. *Macromolecules*, **2015**, 48, 6114-6120 5-5 13

1515	The chemical stability and cytotoxicity of carbonyl iron particles grafted with poly(glycidyl methacrylate) and the magnetorheological activity of their suspensions. 2015 , 5, 72816-72824		28
1514	Investigating the Mechanism of Copper(0)-Mediated Living Radical Polymerization in Organic Media. <i>Macromolecules</i> , 2015 , 48, 5517-5525	5.5	44
1513	SPBLP/EP Measurement of Iron-Mediated ATRP Deactivation Rate. <i>Macromolecules</i> , 2015 , 48, 6108-6113	5.5	9
1512	ATRP-based synthesis and characterization of light-responsive coatings for transdermal delivery systems. 2015 , 16, 034604		15
1511	Synthesis of Poly(OEOMA) Using Macromonomers via Grafting-Through ATRP. <i>Macromolecules</i> , 2015 , 48, 6385-6395	5.5	47
1510	7. Bio-sourced polyolefins. 2015 , 165-196		1
1509	Preparation of multicompartiment micelles from amphiphilic linear triblock terpolymers by pH-responsive self-assembly. 2015 , 293, 3013-3024		3
1508	Hybridization of CMRP and ATRP: A Direct Living Chain Extension from Poly(vinyl acetate) to Poly(methyl methacrylate) and Polystyrene. <i>Macromolecules</i> , 2015 , 48, 6832-6838	5.5	17
1507	Stimuli-induced multiple dissociation and micellization transitions of random copolymers. 2015 , 5, 65847-65855		5
1506	Water soluble well-defined acidic graft copolymers based on a poly(propylene glycol) macromonomer. 2015 , 5, 3627-3635		19
1505	Expanding the ATRP Toolbox: Methacrylate Polymerization with an Elemental Silver Reducing Agent. <i>Macromolecules</i> , 2015 , 48, 6457-6464	5.5	14
1504	Kinetic features of pseudoliving radical polymerization under conditions of reversible inhibition by nitroxide radicals. 2015 , 57, 65-85		17
1503	Investigating the Mechanism of Copper(0)-Mediated Living Radical Polymerization in Aqueous Media. <i>Macromolecules</i> , 2015 , 48, 6421-6432	5.5	46
1502	Mathematics of Energy and Climate Change. 2015 ,		1
1501	A simplified electrochemically mediated ATRP synthesis of PEO-b-PMMA copolymers. 2015 , 77, 266-271		42
1500	Understanding the Fundamentals of Aqueous ATRP and Defining Conditions for Better Control. <i>Macromolecules</i> , 2015 , 48, 6862-6875	5.5	142
1499	Radical polymerization of acrylonitrile under the action of catalytic systems based on zero-valent copper. 2015 , 88, 1275-1281		7
1498	Norbornene-containing dithiocarbamates for use in reversible addition-fragmentation chain transfer (RAFT) polymerization and ring-opening metathesis polymerization (ROMP). 2015 , 79, 205-211		18

1497	Model Studies of Alkyl Halide Activation and Comproportionation Relevant to RDRP in the Presence of Cu ⁰ . <i>Macromolecules</i> , 2015 , 48, 8428-8436	5-5	17
1496	Regioisomerized atom transfer radical addition (ATRA) of olefins with dichlorofluorocarbons. 2015 , 5, 101412-101415		2
1495	Iron-catalyzed atom transfer radical polymerization. 2015 , 6, 1660-1687		95
1494	Synthesis and characterization of nano micelles of poly(N-acrylamidohexanoic acid)-b-poly(N-vinylcaprolactam) via RAFT process: Solubilizing and releasing of hydrophobic molecules. 2015 , 57, 51-61		11
1493	Synthesis of poly(meth)acrylates with thioether and tertiary sulfonium groups by ARGET ATRP and their use as siRNA delivery agents. 2015 , 16, 236-45		34
1492	Self-assembly and disassembly of a redox-responsive ferrocene-containing amphiphilic block copolymer for controlled release. 2015 , 6, 1817-1829		101
1491	Tapping the potential of polymer brushes through synthesis. 2015 , 48, 229-37		87
1490	Polystyrene-graphene oxide (GO) nanocomposite synthesized by interfacial interactions between RAFT modified GO and core-shell polymeric nanoparticles. 2015 , 443, 137-42		43
1489	Facile synthesis of well-controlled poly(glycidyl methacrylate) and its block copolymers via SARA ATRP at room temperature. 2015 , 6, 1875-1882		7
1488	Synthesis of Block Copolymers Containing Polybutadiene Segments by Combination of Coordinative Chain Transfer Polymerization, Ring-Opening Polymerization, and Atom Transfer Radical Polymerization. 2015 , 216, 321-328		17
1487	Beyond microstructures: Using the Kerr Effect to characterize the macrostructures of synthetic polymers. 2015 , 53, 155-166		11
1486	Self-assembly micelles from novel tri-armed star C3-(PS-b-PNIPAM) block copolymers for anticancer drug release. 2015 , 61, 35-45		10
1485	A new atom transfer radical polymerization initiator based on phenolphthalein for the synthesis of bis-allyloxy functionalized polystyrene macromonomers. 2015 , 64, 413-420		1
1484	Monoclonal antibody-targeted polymeric nanoparticles for cancer therapy—future prospects. 2015 , 90, 1169-1176		22
1483	Synthesis of pH- and solvent-responsive smart core crosslinked star polymer by atom transfer radical polymerization. 2015 , 64, 437-445		10
1482	Amphiphilic/fluorous random copolymers as a new class of non-cytotoxic polymeric materials for protein conjugation. 2015 , 6, 240-247		58
1481	Synthesis and reactivity of telechelic polymers by Cu(0)-mediated living radical polymerization. 2015 , 62, 294-303		31
1480	UCST behavior of polyampholytes based on stoichiometric RAFT copolymerization of cationic and anionic monomers. 2015 , 51, 70-3		37

1479	Thermo-responsive block copolymers with multiple phase transition temperatures in aqueous solutions. 2015 , 42, 154-176	108
1478	Designing Hydrogels by ATRP. 2015 , 69-105	3
1477	ABA triblock copolymers from two mechanistic techniques: Polycondensation and atom transfer radical polymerization. 2015 , 53, 228-238	13
1476	Polymeric anti-HIV therapeutics. 2015 , 15, 9-35	21
1475	In situ bidentate to tetradentate ligand exchange reaction in cobalt-mediated radical polymerization. 2015 , 62, 312-321	13
1474	Simulation of temperature effect on the structure control of polystyrene obtained by atom-transfer radical polymerization. 2016 , 26, 313-319	13
1473	Chemical and Biological Sensors from Conducting and Semiconducting Polymers. 2016 ,	3
1472	Stereocontrol of Methyl Methacrylate during Photoinduced Nitroxide-Mediated Polymerization in the Presence of Photosensitive Alkoxyamine. 2016 , 2016, 1-8	7
1471	Radical Polymerization. 2016 ,	2
1470	Preparation and Grafting Functionalization of Self-Assembled Chitin Nanofiber Film. 2016 , 6, 27	13
1469	Radical-Mediated Enzymatic Polymerizations. 2016 , 17,	44
1468	Preparation of Well-Defined Propargyl-Terminated Tetra-Arm Poly(N-isopropylacrylamide)s and Their Click Hydrogels Crosslinked with Cyclodextrin. 2016 , 8,	7
1467	Atom Transfer Radical Polymerization (ATRP). 2016 ,	
1466	Copper Catalyzed Atom Transfer Radical Cyclization Reactions. 2016 , 2016, 2231-2243	95
1465	Direct introduction of R-SO ₂ F moieties into proteins and protein-polymer conjugation using SuFEx chemistry. 2016 , 99, 7-12	30
1464	Mathematical modeling of the full molecular weight distribution in ATRP techniques. 2016 , 62, 2762-2777	20
1463	Organic/Inorganic composite materials as photoinitiator for controlling/living polymerization. 2016 , 133, n/a-n/a	3
1462	Attapulgite grafted with polystyrene via a simultaneous reverse and normal initiation atom transfer radical polymerization. 2016 , 54, 1508-1516	10

1461	Vinyl phenylboronic acid controlling co-monomer for nitroxide mediated synthesis of thermoresponsive poly(2-N morpholinoethyl methacrylate). 2016 , 54, 1560-1572	10
1460	Polymerization of a Photocleavable Monomer Using Visible Light. 2016 , 37, 905-10	44
1459	Modeling of the Methyl Methacrylate Atom Transfer Radical Suspension Polymerization Process: Polymerization and Particle Kinetics. 2016 , 10, 479-489	9
1458	Hydrophilic PET surfaces by aminolysis and glycopolymer brushes chemistry. 2016 , 54, 2689-2697	15
1457	Confined crystallization in lamellae forming poly(3-(2?-ethyl)hexylthiophene) (P3EHT) block copolymers. 2016 , 54, 205-215	17
1456	Multi-Stimuli-Responsive Polymer Materials: Particles, Films, and Bulk Gels. 2016 , 16, 1398-435	110
1455	Cu0-Promoted Cyclisation of Unsaturated Halogeno Amides To Give End Lactams. 2016 , 2016, 2479-2491	4
1454	The Mechanism and Thermodynamic Studies of CMRP: Different Control Mechanisms Demonstrated by Coll(TMP), Coll(salen*), and Coll(acac) ₂ Mediated Polymerization, and the Correlation of Reduction Potential, Equilibrium Constant, and Control Mechanism. 2016 , 217, 422-432	21
1453	Methacrylic Zwitterionic, Thermoresponsive, and Hydrophilic (Co)Polymers via Cu(0)-Polymerization: The Importance of Halide Salt Additives. 2016 , 37, 356-61	19
1452	Precision Self-Assembly of Amphiphilic Random Copolymers into Uniform and Self-Sorting Nanocompartments in Water. <i>Macromolecules</i> , 2016 , 49, 5084-5091	5-5 100
1451	Sustainable Electrochemically-Mediated Atom Transfer Radical Polymerization with Inexpensive Non-Platinum Electrodes. 2016 , 37, 1318-22	44
1450	Graft copolymerization of methyl methacrylate from brominated poly(isobutylene-co-isoprene) via atom transfer radical polymerization. 2016 , 133, n/a-n/a	
1449	Highly Efficient and Facile Photocatalytic Recycling System Suitable for ICAR ATRP of Hydrophilic Monomers. 2016 , 37, 1337-43	21
1448	Photocatalysts in Polymerization Reactions. 2016 , 8, 1617-1631	126
1447	On the Orthogonality of Two Thiol-Based Modular Ligations. 2016 , 22, 1511-21	23
1446	Ultralow Friction with Hydrophilic Polymer Brushes in Water as Segregated from Silicone Matrix. 2016 , 3, 1500472	25
1445	Preparation of Well-Defined Poly(styrene-co-acrylonitrile)/ZnO Hybrid Nanoparticles by an Efficient Ligand Exchange Strategy. 2016 , 32, 13207-13213	22
1444	Perfluorocyclobutyl Aryl Ether-Based ABC Amphiphilic Triblock Copolymer. 2016 , 6, 39504	10

1443	Synthesis of metallacarborane ruthenium(ii) and ruthenium(iii) complexes with chelate 1,3-bis(diphenylphosphino)propane ligand and their mutual transformation in one-electron redox reactions. 2016 , 65, 1574-1579		6
1442	From regulation of elementary stages of radical processes to controlled synthesis of macromolecules. 2016 , 52, 1541-1557		3
1441	Self-Assembling Nanocomposite Tectons. 2016 , 138, 16228-16231		68
1440	Research of Atom Transfer Radical Polymerization of Methyl Polypropylene. 2016 , 852, 720-725		
1439	Encapsulation of Gibbsite Platelets With Free Radical and Controlled Radical Emulsion Polymerization Approaches, a Small Review. 2016 , 370, 66-74		1
1438	Thermo-responsive poly(ethylene-co-vinyl alcohol) based asymmetric membranes. 2016 , 6, 114276-114285		3
1437	Synthesis of Hybrid Silica Nanoparticles Densely Grafted with Thermo and pH Dual-Responsive Brushes via Surface-Initiated ATRP. <i>Macromolecules</i> , 2016 , 49, 9586-9596	5.5	28
1436	Electrochemical approaches to the determination of rate constants for the activation step in atom transfer radical polymerization. 2016 , 222, 393-401		60
1435	Growing poly(methyl methacrylate) chains from the surface of zinc oxide nanoparticles via surface-initiated reversible addition-fragmentation chain transfer polymerization. 2016 , 635, 12-17		2
1434	An ATRP-based approach towards water-borne anisotropic polymer/gibbsite nanocomposites. 2016 , 7, 3383-3391		18
1433	Tailoring the structure of polymer networks with iniferter-mediated photo-growth. 2016 , 7, 2955-2964		24
1432	Kinetic modeling of atom-transfer radical polymerization: inclusion of break reactions in the mechanism. 2016 , 73, 2105-2119		12
1431	Versatile procedure for site-specific grafting of polymer brushes on patchy particles via atom transfer radical polymerization (ATRP). 2016 , 7, 2858-2869		12
1430	Atom transfer radical polymerization and copolymerization of isoprene catalyzed by copper bromide/2,2'-bipyridine. 2016 , 27, 910-914		11
1429	Tailored conditions for controlled and fast growth of surface-grafted PNIPAM brushes. 2016 , 97, 380-386		7
1428	Elastomeric Conducting Polyaniline Formed Through Topological Control of Molecular Templates. 2016 , 10, 5991-8		18
1427	Aqueous Copper(II) Photoinduced Polymerization of Acrylates: Low Copper Concentration and the Importance of Sodium Halide Salts. 2016 , 138, 7346-52		83
1426	Effect of variations of CuI ₂ /L, surface area of Cu ₀ , solvent, and temperature on atom transfer radical polyaddition of 4-vinylbenzyl 2-bromo-2-isobutyrate inimers. 2016 , 6, 51816-51822		6

1425	Smart Polymeric-Based Microencapsulation: A Promising Synergic Combination. 2016 , 577-604		1
1424	Enhancing Initiation Efficiency in Metal-Free Surface-Initiated Atom Transfer Radical Polymerization (SI-ATRP). 2016 , 5, 661-665		88
1423	Designing Self-Healing Polymers by Atom Transfer Radical Polymerization and Click Chemistry. 2016 , 271-291		
1422	PVBC microspheres tethered with poly(3-sulfopropyl methacrylate) brushes for effective removal of Pb(II) ions from aqueous solution. 2016 , 498, 218-230		20
1421	Direct functionalization of poly(vinyl chloride) by photo-mediated ATRP without a deoxygenation procedure. 2016 , 7, 3034-3045		34
1420	A newly designed softoxometalate [BMIm] ₂ [DMIm][PW12O ₄₀]@hydrocalumite that controls the chain length of polyacrylic acid in the presence of light. 2016 , 6, 37583-37590		9
1419	An unexpected stereochemical bias in the RAFT syntheses of styrene/p-bromostyrene copolymers uncovered by the Kerr effect. 2016 , 89, 50-54		4
1418	Cationic Cp* Ruthenium Catalysts for Metal-Catalyzed Living Radical Polymerization: Cocatalyst-Independent Catalysis Tuned by Counteranion. <i>Macromolecules</i> , 2016 , 49, 2962-2970	5-5	7
1417	Adjustable Methacrylate Porous Monolith Polymer Layer Open Tubular Silica Capillary Microextraction for the Determination of Polycyclic Aromatic Hydrocarbons. 2016 , 49, 1824-1834		4
1416	ToF-SIMS and XPS Characterization of Protein Films Adsorbed onto Bare and Sodium Styrenesulfonate-Grafted Gold Substrates. 2016 , 32, 3207-16		38
1415	Figure-Eight-Shaped and Cage-Shaped Cyclic Polystyrenes. <i>Macromolecules</i> , 2016 , 49, 3672-3680	5-5	33
1414	Engineering Delivery Vehicles for Genome Editing. 2016 , 7, 637-62		75
1413	Side-chain-type anion exchange membranes bearing pendent imidazolium-functionalized poly(phenylene oxide) for fuel cells. 2016 , 513, 206-216		62
1412	Anthracene-based indium metal-organic framework as a promising photosensitizer for visible-light-induced atom transfer radical polymerization. 2016 , 18, 3696-3702		35
1411	Enhancing thermal transport in nanocomposites by polymer-graft modification of particle fillers. 2016 , 93, 72-77		16
1410	Catalyst-free iodine-mediated living radical polymerization under irradiation over a wide visible-light spectral scope. 2016 , 7, 3576-3588		34
1409	Controlled aqueous polymerization of acrylamides and acrylates and "in situ" depolymerization in the presence of dissolved CO ₂ . 2016 , 52, 6533-6		17
1408	Functionalisation of MWCNTs with poly(lauryl acrylate) polymerised by Cu(0)-mediated and RAFT methods. 2016 , 7, 3884-3896		18

1407	Electrochemically assisted ethylene (co-)polymerization with a vanadium-based Ziegler-Natta catalyst. 2016 , 83, 39-42		5
1406	RAFT Copolymerization of Vinyl Acetate and N-Vinylcaprolactam: Kinetics, Control, Copolymer Composition, and Thermoresponsive Self-Assembly. <i>Macromolecules</i> , 2016 , 49, 6799-6809	5.5	16
1405	Core@Double-Shell Structured Nanocomposites: A Route to High Dielectric Constant and Low Loss Material. 2016 , 8, 25496-507		59
1404	Synthesis of block copolymer with photo-decomposable polyurethane and its photo-initiated domino decomposition. 2016 , 107, 20-27		3
1403	Active, effective, and green Iron(III)/polar solvent catalysts for AGET ATRP of methyl methacrylate with various morphologies of elemental silver as a reducing agent. 2016 , 6, 88490-88497		3
1402	Polymerization-Induced Self-Assembly: The Contribution of Controlled Radical Polymerization to The Formation of Self-Stabilized Polymer Particles of Various Morphologies. 2016 , 33-82		35
1401	LED and visible light-induced metal free ATRP using reducible dyes in the presence of amines. 2016 , 7, 6094-6098		90
1400	Miktoarm star copolymers as interfacial connectors for stackable amphiphilic gels. 2016 , 101, 406-414		13
1399	The active role of excited states of phenothiazines in photoinduced metal free atom transfer radical polymerization: singlet or triplet excited states?. 2016 , 7, 6039-6043		53
1398	Microwave-assisted Polymer Synthesis. 2016 ,		9
1397	Synthesis of β -glucose-based star polymers through simplified electrochemically mediated ATRP. 2016 , 102, 192-198		49
1396	Laccase-catalyzed controlled radical polymerization of N-vinylimidazole. 2016 , 7, 6617-6625		36
1395	Cellulose nanocrystals grafted with polyacrylamide assisted by macromolecular RAFT agents. 2016 , 23, 3717-3735		21
1394	Synthesis of Hindered Anilines: Three-Component Coupling of Arylboronic Acids, tert-Butyl Nitrite, and Alkyl Bromides. 2016 , 18, 5074-5077		17
1393	Efficient and Tunable Three-Dimensional Functionalization of Fully Zwitterionic Antifouling Surface Coatings. 2016 , 32, 10199-10205		49
1392	Photoinduced Metal-Free Atom Transfer Radical Polymerization of Biomass-Based Monomers. <i>Macromolecules</i> , 2016 , 49, 7709-7717	5.5	46
1391	Poly(dimethylsiloxane) grafted with adhesive polymeric chains provide a route towards cost effective dry adhesives. 2016 , 84, 13-21		3
1390	The Borderline between Simultaneous Reverse and Normal Initiation and Initiators for Continuous Activator Regeneration ATRP. <i>Macromolecules</i> , 2016 , 49, 7793-7803	5.5	22

1389	Visible and sunlight driven RAFT photopolymerization accelerated by amines: kinetics and mechanism. 2016 , 7, 6626-6636		49
1388	Photoinitiated Metal-Free Controlled/Living Radical Polymerization Using Polynuclear Aromatic Hydrocarbons. <i>Macromolecules</i> , 2016 , 49, 7785-7792	5.5	92
1387	Influence of Solvent on Radical Trap-Assisted Dimerization and Cyclization of Polystyrene Radicals. <i>Macromolecules</i> , 2016 , 49, 7804-7813	5.5	12
1386	Development of a Robust Photocatalyzed ATRP Mechanism Exhibiting Good Tolerance to Oxygen and Inhibitors. <i>Macromolecules</i> , 2016 , 49, 7653-7666	5.5	65
1385	Self-Healing Properties of Lignin-Containing Nanocomposite: Synthesis of Lignin-graft-poly(5-acetylaminopentyl acrylate) via RAFT and Click Chemistry. <i>Macromolecules</i> , 2016 , 49, 7246-7256	5.5	55
1384	A Kinetic-Mechanistic Study on Cu Deactivators Employed in Atom Transfer Radical Polymerization. 2016 , 55, 9848-9857		8
1383	A surface-grafted thermoresponsive hydrogel in which the surface structure dominates the bulk properties. 2016 , 52, 11064-7		13
1382	The living dead □ common misconceptions about reversible deactivation radical polymerization. 2016 , 3, 471-477		47
1381	Aqueous RAFT Polymerization of Acrylonitrile. <i>Macromolecules</i> , 2016 , 49, 5877-5883	5.5	19
1380	The synthesis and comparison of poly(methacrylic acid)□poly(ϵ -caprolactone) block copolymers with and without symmetrical disulfide linkages in the center for enhanced cellular uptake. 2016 , 6, 75092-75103		63
1379	Synthesis, characterization and dielectric relaxation study of hyperbranched polymers with different molecular architecture. 2016 , 100, 227-237		16
1378	A Supramolecular Approach to Macromolecular Self-Assembly: Cyclodextrin Host/Guest Complexes. 2016 , 1-32		1
1377	A Comprehensive Study of Copper Guanidine Quinoline Complexes: Predicting the Activity of Catalysts in ATRP with DFT. 2016 , 22, 13550-62		24
1376	Synthesis of a new donor-acceptor-donor functionalized alkoxyamine and its use in a reversibly supported catalytic hybrid system for ATRP of MMA. 2016 , 99, 654-661		
1375	Poly(N-2-(methacryloyloxy)ethyl pyrrolidone)-poly(benzyl methacrylate) diblock copolymer nano-objects via RAFT alcoholic dispersion polymerisation in ethanol. 2016 , 106, 189-199		16
1374	Photosensitizer cross-linked nano-micelle platform for multimodal imaging guided synergistic photothermal/photodynamic therapy. 2016 , 8, 15323-39		65
1373	Radicals and Dormant Species in Biology and Polymer Chemistry. 2016 , 81, 11-29		14
1372	Single-Chain Folding of Synthetic Polymers: A Critical Update. 2016 , 37, 29-46		174

1371	Electrografting and Controlled Surface Functionalization of Carbon Based Surfaces for Electroanalysis. 2016 , 28, 13-26		35
1370	"Click" Incorporation of Radical/Ionic Sites into a Reactive Block Copolymer: A Facile and On-Demand Domain Functionalization Approach toward Organic Resistive Memory. 2016 , 37, 53-59		7
1369	State-of-the-Art and Progress in Method of Moments for the Model-Based Reversible-Deactivation Radical Polymerization. 2016 , 10, 516-534		64
1368	Graft Copolymers with Conducting Polymer Backbones: A Versatile Route to Functional Materials. 2016 , 16, 393-418		22
1367	Living CO ₂ -Switchable Latexes Prepared via Emulsion ATRP and AGET Miniemulsion ATRP. <i>Macromolecules</i> , 2016 , 49, 6251-6259	5-5	20
1366	Oxygen Tolerance in Living Radical Polymerization: Investigation of Mechanism and Implementation in Continuous Flow Polymerization. <i>Macromolecules</i> , 2016 , 49, 6779-6789	5-5	147
1365	Polymer brush synthesis on surface modified carbon nanotubes via in situ emulsion polymerization. 2016 , 294, 1599-1610		183
1364	Nanoparticle polymer composites on solid substrates for plasmonic sensing applications. 2016 , 11, 415-434		45
1363	SET-LRP of acrylates catalyzed by a 1 penny copper coin. 2016 , 7, 6564-6569		21
1362	New Class of Alkoxyamines for Efficient Controlled Homopolymerization of Methacrylates. 2016 , 5, 1019-1022	46	
1361	Improvement on stability of polymeric latexes prepared by emulsion ATRP through copper removal using electrolysis. 2016 , 106, 261-266		13
1360	Modification of Silica Nanoparticles with Miktoarm Polymer Brushes via ATRP. 2016 , 26, 1292-1300		12
1359	In retrospect: Sixty years of living polymers. 2016 , 536, 276-7		5
1358	Human genomics: A deep dive into genetic variation. 2016 , 536, 277-8		7
1357	Tuning the size of styrene-maleic acid copolymer-lipid nanoparticles (SMALPs) using RAFT polymerization for biophysical studies. 2016 , 1858, 2931-2939		54
1356	Dithiobenzoic copper(II): A novel, facile, and stable mediating agent combining ATRP and RAFT features for reversible deactivation radical polymerization of methacrylates. 2016 , 107, 170-176		6
1355	Bionanoreactors: From Confined Reaction Spaces to Artificial Organelles. 2016 , 341-371		4
1354	Neutral hydrophilic coatings for capillary electrophoresis prepared by controlled radical polymerization. 2016 , 948, 104-112		5

1353	Radicals: Reactive Intermediates with Translational Potential. 2016 , 138, 12692-12714	543
1352	Dissolution, gelation, functionalization, and material preparation of chitin using ionic liquids. 2016 , 88, 621-629	16
1351	Synergetic effect of the epoxide functional groups in the photocatalyzed atom transfer radical copolymerization of glycidyl methacrylate. 2016 , 7, 6084-6093	16
1350	Copper Removal from Polymers by Diethyldithiocarbamate Complexation. 2016 , 45, 400-402	
1349	Synthesis and characterization of poly (ethyl methacrylate)-b-poly(dimethyl siloxane)-b-poly(ethyl methacrylate) triblock copolymer: the effect of solvent on morphology. 2016 , 23, 1	4
1348	Diffusive properties of solvent molecules in the neighborhood of a polymer chain as seen by Monte-Carlo simulations. 2016 , 12, 5519-28	21
1347	Towards scanning probe lithography-based 4D nanoprinting by advancing surface chemistry, nanopatterning strategies, and characterization protocols. 2016 , 45, 6289-6310	35
1346	PDEAEMA-based pH-sensitive amphiphilic pentablock copolymers for controlled anticancer drug delivery. 2016 , 6, 68018-68027	22
1345	High-Capacity and Rapid Removal of Refractory NOM Using Nanoscale Anion Exchange Resin. 2016 , 8, 18540-9	17
1344	In-Situ Platinum Deposition on Nitrogen-Doped Carbon Films as a Source of Catalytic Activity in a Hydrogen Evolution Reaction. 2016 , 8, 21531-8	45
1343	Towards Biobased Aromatic Polymers from Lignins. 2016 , 385-436	4
1342	Polyethylene-g-Polystyrene Copolymers by Combination of ROMP, Mn ₂ (CO) ₁₀ -Assisted TEMPO Substitution and NMRP. 2016 , 5, 946-949	25
1341	Solution-Stable Colloidal Gold Nanoparticles via Surfactant-Free, Hyperbranched Polyglycerol-b-polystyrene Unimolecular Templates. 2016 , 32, 7180-8	8
1340	Photomediated controlled radical polymerization. 2016 , 62, 73-125	407
1339	Protein cages and synthetic polymers: a fruitful symbiosis for drug delivery applications, bionanotechnology and materials science. 2016 , 45, 6213-6249	105
1338	Electrochemically mediated atom transfer radical polymerization of n-butyl acrylate on non-platinum cathodes. 2016 , 7, 5357-5365	43
1337	Synthesis of Multivalent Organotellurium Chain-Transfer Agents by Post-modification and Their Applications in Living Radical Polymerization. 2016 , 22, 17006-17010	7
1336	Metal-Free Removal of Polymer Chain Ends Using Light. <i>Macromolecules</i> , 2016 , 49, 8162-8166	5.5 32

1335	Photoredox-Mediated ATRP: A Facile Method for Modification of Graphite Fluoride and Graphene Fluoride without Deoxygenation. 2016 , 5, 1339-1343		22
1334	Direct optical observations of vesicular self-assembly in large-scale polymeric structures during photocontrolled biphasic polymerization. 2016 , 7, 7211-7215		20
1333	Nitroxide-Mediated Polymerization. 2016 , 1-48		3
1332	Electrochemical Atom Transfer Radical Polymerization in Miniemulsion with a Dual Catalytic System. <i>Macromolecules</i> , 2016 , 49, 8838-8847	5-5	55
1331	Nitroxide-Mediated Alternating Copolymerization of Vinyl Acetate with tert-Butyl-2-trifluoromethacrylate Using a SG1-Based Alkoxyamine. 2016 , 5, 1232-1236		24
1330	Vinyl Alcohol Polymers. 2016 , 71-106		
1329	Metallocene-Containing Homopolymers and Heterobimetallic Block Copolymers via Photoinduced RAFT Polymerization. 2016 , 5, 1293-1300		31
1328	Polymerization-Induced Self-Assembly (PISA) Using ICAR ATRP at Low Catalyst Concentration. <i>Macromolecules</i> , 2016 , 49, 8605-8615	5-5	106
1327	A Cu(II) metal-organic framework as a recyclable catalyst for ARGET ATRP. 2016 , 7, 7199-7203		27
1326	Investigation on the fluorescence(stimulus-response) properties of linear and star PVBCz-b-PDMAEMA block copolymers synthesized via ATRP. 2016 , 6, 72351-72360		4
1325	Kinetics of Fe-Mesohemin(MPEG500)2-Mediated RDRP in Aqueous Solution. <i>Macromolecules</i> , 2016 , 49, 8088-8097	5-5	10
1324	Functional lignocellulosic materials prepared by ATRP from a wood scaffold. 2016 , 6, 31287		45
1323	Developing Hybrid Modeling Methods to Simulate Self-Assembly in Polymer Nanocomposites. 2016 , 20-52		
1322	Hydrophilic Polymer Brush Layers on Stainless Steel Using Multilayered ATRP Initiator Layer. 2016 , 8, 30616-30627		15
1321	Natural RAFT Polymerization: Recyclable-Catalyst-Aided, Opened-to-Air, and Sunlight-Photolyzed RAFT Polymerizations. 2016 , 5, 1278-1282		62
1320	Atom Transfer Radical Polymerization of Functionalized Vinyl Monomers Using Perylene as a Visible Light Photocatalyst. 2016 , e53571		6
1319	A convenient synthesis of α -homo- and β -hetero-bifunctionalized poly(ϵ -caprolactone)s by ring opening polymerization: The potentially valuable precursors for miktoarm star copolymers. 2016 , 54, 844-860		7
1318	Grafting of a Stimuli Responsive Polymer on Nanolayered Coextruded PS/PCL Films by Surface Initiated Polymerization. 2016 , 301, 870-875		6

1317	Cobalt-Mediated Radical Polymerization of Vinyl Acetate and Acrylonitrile in Supercritical Carbon Dioxide. 2016 , 37, 539-44		15
1316	Water soluble poly(styrene sulfonate)-b-poly(vinylidene fluoride)-b-poly(styrene sulfonate) triblock copolymer nanoparticles. 2016 , 6, 55374-55381		13
1315	CO ₂ -responsive polymeric materials: synthesis, self-assembly, and functional applications. 2016 , 45, 4391-436	233	
1314	Block copolymer synthesis by controlled/living radical polymerisation in heterogeneous systems. 2016 , 45, 5055-84		83
1313	SPBLPBR Measurement of CuII-Mediated ATRP Deactivation and CuI-Mediated Organometallic Reactions in Butyl Acrylate Polymerization. <i>Macromolecules</i> , 2016 , 49, 4732-4738	5-5	17
1312	Quantitative end-group functionalization of PNIPAM from aqueous SET-LRP via in situ reduction of Cu(II) with NaBH ₄ . 2016 , 7, 4802-4809		21
1311	Kinetic Insights into the Iron-Based Electrochemically Mediated Atom Transfer Radical Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 2016 , 49, 4038-4046	5-5	41
1310	Lignin and soy oil-derived polymeric biocomposites by grafting from RAFT polymerization. 2016 , 18, 4974-4981		54
1309	Atom Transfer Radical Polymerization of Methacrylic Acid: A Won Challenge. 2016 , 138, 7216-9		102
1308	Synthesis of chlorinated polypropylene grafted poly(methyl methacrylate) using chlorinated polypropylene as macro-initiator via atom transfer radical polymerization and its application in lithium ion battery. 2016 , 176, 64-67		6
1307	Radical Departure: Thermally-Triggered Degradation of Azo-Containing Poly(ϵ-hydroester)s. 2016 , 5, 688-693		26
1306	Star Polymers. 2016 , 116, 6743-836		494
1305	Influence of Polymer Chain Architecture of Poly(vinyl alcohol) on the Inhibition of Ice Recrystallization. 2016 , 217, 951-958		24
1304	Design and synthesis of pH-sensitive polymeric micelles for oral delivery of poorly water-soluble drugs. 2016 , 27, 1341-53		5
1303	Antifouling and Antibacterial Multifunctional Polyzwitterion/Enzyme Coating on Silicone Catheter Material Prepared by Electrostatic Layer-by-Layer Assembly. 2016 , 32, 1347-59		101
1302	Mechanistic Insights into Temperature-Dependent Trithiocarbonate Chain-End Degradation during the RAFT Polymerization of N-Arylmethacrylamides. <i>Macromolecules</i> , 2016 , 49, 465-474	5-5	19
1301	Mechanism of Photoinduced Metal-Free Atom Transfer Radical Polymerization: Experimental and Computational Studies. 2016 , 138, 2411-25		313
1300	Thermoresponsive Agarose Based Microparticles for Antibody Separation. 2016 , 17, 280-90		9

1299	Synthesis, functionalization, and applications of morphology-controllable silica-based nanostructures: A review. 2016 , 44, 1-19		61
1298	Photomediated Controlled Radical Polymerization and Block Copolymerization of Vinylidene Fluoride. 2016 , 116, 2244-74		99
1297	Nitroxide-Mediated Polymerization of Vinyl Chloride at Low Temperature: Kinetic and Computational Studies. <i>Macromolecules</i> , 2016 , 49, 490-498	5.5	32
1296	A biomimetic <i>Setaria viridis</i> -inspired imprinted nanoadsorbent: green synthesis and application to the highly selective and fast removal of sulfamethazine. 2016 , 6, 9619-9630		10
1295	Thermogels: In Situ Gelling Biomaterial. 2016 , 2, 295-316		146
1294	Synthesis, characterization, X-ray crystallography analysis and kinetic study of tris(2-(4-trifluoromethylbenzylideneamino)ethyl)amine copper derivatives. 2016 , 114, 13-22		0
1293	Nanopatterned polymer brushes: conformation, fabrication and applications. 2016 , 8, 680-700		54
1292	SET-LRP of NIPAM in water via in situ reduction of Cu(II) to Cu(0) with NaBH ₄ . 2016 , 7, 933-939		41
1291	Stimuli-responsive supramolecular materials: photo-tunable properties and molecular recognition behavior. 2016 , 7, 795-806		17
1290	One-Pot Synthesis of Block Copolymers by Orthogonal Ring-Opening Polymerization and PET-RAFT Polymerization at Ambient Temperature. 2016 , 5, 444-449		55
1289	Relation between Overall Rate of ATRP and Rates of Activation of Dormant Species. <i>Macromolecules</i> , 2016 , 49, 2467-2476	5.5	26
1288	Instantaneous Directional Growth of Block Copolymer Nanowires During Heterogeneous Radical Polymerization (HRP). 2016 , 16, 2873-7		4
1287	Efficient removal of Cu(II) using amino-functionalized superparamagnetic nanoparticles prepared via SI-ATRP. 2016 , 133, n/a-n/a		2
1286	Controlled copolymerization of the functional 5-membered lactone monomer, ϵ -bromo- ϵ -butyrolactone, via selective organocatalysis. 2016 , 87, 17-25		13
1285	Drug-Initiated Synthesis of Polymer Prodrugs: Combining Simplicity and Efficacy in Drug Delivery. 2016 , 28, 1591-1606		68
1284	Self-assembly of thermo and light responsive amphiphilic linear dendritic block copolymers. 2016 , 81, 621-633		16
1283	Ionic liquid mediated synthesis of poly(2-hydroxyethyl methacrylate-block-methyl methacrylate)/Fe ₃ O ₄ core-shell structured nanocomposite by ATRP method. 2016 , 294, 777-785		7
1282	Orientation and relaxation behaviors of lamellar microdomains of poly(methyl methacrylate)-b-poly(n-butyl acrylate) thin films as revealed by grazing-incidence small-angle X-ray scattering. 2016 , 48, 399-406		9

1281	Mechanism of Cu(I)/Cu(0)-Mediated Reductive Coupling Reactions of Bromine-Terminated Polyacrylates, Polymethacrylates, and Polystyrene. 2016 , 5, 248-252		28
1280	Dramatic Tunability of the Glass Transition Temperature and Fragility of Low Molecular Weight Polystyrene by Initiator Fragments Located at Chain Ends. <i>Macromolecules</i> , 2016 , 49, 2387-2398	5.5	29
1279	Ambient Temperature Transition-Metal-Free Dissociative Electron Transfer Reversible Addition-Fragmentation Chain Transfer Polymerization (DET-RAFT) of Methacrylates, Acrylates, and Styrene. <i>Macromolecules</i> , 2016 , 49, 1597-1604	5.5	28
1278	Light-Controlled Radical Polymerization: Mechanisms, Methods, and Applications. 2016 , 116, 10167-211		671
1277	Grafting PMMA Brushes from γ -Alumina Nanoparticles via SI-ATRP. 2016 , 8, 5458-65		31
1276	Solid polymer electrolyte membranes based on organic/inorganic nanocomposites with star-shaped structure for high performance lithium ion battery. 2016 , 509, 138-148		79
1275	Visualization of carbon nanotubes dispersion in composite by using confocal laser scanning microscopy. 2016 , 79, 187-197		16
1274	Straightforward synthesis of well-defined poly(vinyl acetate) and its block copolymers by atom transfer radical polymerization. 2016 , 77, 75-87		13
1273	Maleimide-functionalized poly(2-ethyl-2-oxazoline): synthesis and reactivity. 2016 , 7, 2419-2426		8
1272	Synthesis, characterisation and Pickering emulsifier performance of poly(stearyl methacrylate)-poly(2-(methacryloyloxy)ethyl pyrrolidone) diblock copolymer nano-objects RAFT dispersion polymerisation in -dodecane. 2016 , 7, 1882-1891		41
1271	How Do Spherical Diblock Copolymer Nanoparticles Grow during RAFT Alcoholic Dispersion Polymerization?. <i>Macromolecules</i> , 2016 , 49, 172-181	5.5	50
1270	Photoinduced Electron Transfer Reactions for Macromolecular Syntheses. 2016 , 116, 10212-75		546
1269	Rapid Synthesis of Well-Defined Polyacrylamide by Aqueous Cu(0)-Mediated Reversible-Deactivation Radical Polymerization. <i>Macromolecules</i> , 2016 , 49, 483-489	5.5	56
1268	Current methodologies for a sustainable approach to π -conjugated organic semiconductors. 2016 , 9, 763-786		95
1267	Atom transfer radical polymerization by solvent-stabilized (Me3TACN)FeX2: a practical access to reusable iron(II) catalysts. 2016 , 7, 1037-1048		5
1266	Tunable Pickering emulsions with polymer-grafted lignin nanoparticles (PGLNs). 2016 , 466, 91-100		66
1265	Visible-light-induced controlled radical polymerization of methacrylates mediated by a pillared-layer metal-organic framework. 2016 , 18, 1475-1481		58
1264	Major Impact of Cyclic Chain Topology on the Tg-Confinement Effect of Supported Thin Films of Polystyrene. <i>Macromolecules</i> , 2016 , 49, 257-268	5.5	50

1263	Synthesis and characterization of biodegradable copolymer derived from dextrin and poly(vinyl acetate) via atom transfer radical polymerization. 2016 , 6, 9352-9359		20
1262	Phosphonic Acid-Functionalized Diblock Copolymer Nano-Objects via Polymerization-Induced Self-Assembly: Synthesis, Characterization, and Occlusion into Calcite Crystals. <i>Macromolecules</i> , 2016 , 49, 192-204	5.5	49
1261	Surface modification of Fe ₂ O ₃ nanoparticles by grafting from poly-(hydroxyethylmethacrylate) and poly-(methacrylic acid): Qualitative and quantitative analysis of the polymeric coating. 2016 , 490, 222-231		11
1260	Solvent-free, supersoft and superelastic bottlebrush melts and networks. 2016 , 15, 183-9		318
1259	Synthesis of poly(N-acryloylmorpholine) macromonomers using RAFT and their copolymerization with methacrylic acid for the design of graft copolymer additives for concrete. 2016 , 7, 917-925		12
1258	Tuning the electrochemical properties of silicon wafer by grafted-from micropatterned polymer brushes. 2016 , 4, 340-347		16
1257	Fe-mediated ICAR ATRP of methyl methacrylate on photoinduced miniemulsion polymerization. 2016 , 16, 41-47		3
1256	Synthesis and molecular structure of 2-bromo-N-(4-(7-(diethylamino)-coumarin-3-yl)phenyl)propanamide: New coumarin-based fluorescent ATRP initiator. 2016 , 1104, 14-18		4
1255	Copper-Mediated Living Radical Polymerization (Atom Transfer Radical Polymerization and Copper(0) Mediated Polymerization): From Fundamentals to Bioapplications. 2016 , 116, 1803-949		347
1254	Tailoring structure formation and mechanical properties of particle brush solids via homopolymer addition. 2016 , 186, 17-30		15
1253	Controlled Radical Polymerization at and from Solid Surfaces. 2016 ,		3
1252	Cu(0)-Mediated Living Radical Polymerization: A Versatile Tool for Materials Synthesis. 2016 , 116, 835-77		329
1251	Antifouling Thin-Film Composite Membranes by Controlled Architecture of Zwitterionic Polymer Brush Layer. 2017 , 51, 2161-2169		160
1250	Cubosomes from hierarchical self-assembly of poly(ionic liquid) block copolymers. 2017 , 8, 14057		62
1249	50th Anniversary Perspective: Are Polymer Nanocomposites Practical for Applications?. <i>Macromolecules</i> , 2017 , 50, 714-731	5.5	375
1248	The Postsynthetic Renaissance in Porous Solids. 2017 , 139, 2855-2863		311
1247	Biocompatible Polymeric Analogues of DMSO Prepared by Atom Transfer Radical Polymerization. 2017 , 18, 475-482		41
1246	Surface-Initiated Controlled Radical Polymerization: State-of-the-Art, Opportunities, and Challenges in Surface and Interface Engineering with Polymer Brushes. 2017 , 117, 1105-1318		566

1245	Glass transition of polymers in bulk, confined geometries, and near interfaces. 2017 , 80, 036602	226
1244	An amphiphilic non-viral gene vector prepared by a combination of enzymatic atom transfer radical polymerization and enzymatic ring-opening polymerization. 2017 , 7, 9926-9932	8
1243	Nitrogen-Doped Nanocarbons Derived from Tetrazine Cross-Linked Poly(4-cyanostyrene)-Silica Hybrids. 2017 , 218, 1600524	4
1242	Photo-regeneration of severed gel with iniferter-mediated photo-growth. 2017 , 13, 1978-1987	7
1241	Modeling the formation of layered, amphiphilic gels. 2017 , 111, 214-221	13
1240	Microgel Star Polymer Catalysts as Active and Functional Nanoreactors for Organic Reactions and Polymerizations. 2017 , 125-146	
1239	Investigation into the mechanism of photo-mediated RAFT polymerization involving the reversible photolysis of the chain-transfer agent. 2017 , 8, 1760-1770	39
1238	Synthesis of multiarm star block copolymers via simplified electrochemically mediated ATRP. 2017 , 71, 161-170	19
1237	A facile, simple, and inexpensive ionic liquid, 1-alkyl-3-methylimidazole chloride, as ligand for the iron(III)-mediated reverse atom transfer radical polymerization of methyl methacrylate. 2017 , 7, 6972-6980	3
1236	Nanostructured polymer blends based on polystyrene-b-polybutadiene-b-poly(methyl methacrylate) triblock copolymers modified with polystyrene and/or poly(methyl methacrylate) homopolymers. 2017 , 66, 1031-1036	4
1235	Near-infrared (NIR) controlled reversible cell adhesion on a responsive nano-biointerface. 2017 , 10, 1345-1355	39
1234	Use of a trithiocarbonyl RAFT agent without modification as (Co)stabilizer in miniemulsion polymerization. 2017 , 55, 1687-1695	1
1233	Inserting \square HCH \square into P(VDF-TrFE) by CE activation mediated with Cu(0) in a controlled atom transfer radical elimination process. 2017 , 8, 1840-1849	17
1232	Ethyl Lactate, a New Green Solvent for ARGET ATRP of Methyl Acrylate. 2017 , 46, 690-692	4
1231	Electrochemically mediated atom transfer radical polymerization (eATRP). 2017 , 69, 47-78	226
1230	Microphase-separated structures under spherical 3D confinement. 2017 , 49, 467-475	5
1229	Quaternary ammonium-based biomedical materials: State-of-the-art, toxicological aspects and antimicrobial resistance. 2017 , 71, 53-90	269
1228	Drug releasing nanoplatfoms activated by alternating magnetic fields. 2017 , 1861, 1617-1641	68

1227	Kinetics of Atom Transfer Radical Polymerization. 2017 , 89, 482-523	148
1226	Dynamisches makromolekulares Materialdesign Die Vielseitigkeit von Cyclodextrin-basierter Wirt-Gast-Chemie. 2017 , 129, 8468-8488	19
1225	Dynamic Macromolecular Material Design-The Versatility of Cyclodextrin-Based Host-Guest Chemistry. 2017 , 56, 8350-8369	172
1224	Synthesis and Applications of Protein/Peptide-Polymer Conjugates. 2017 , 218, 1600595	19
1223	Preparation and Applications of Polymers with Pendant Fatty Chains from Plant Oils. 2017 , 181-207	4
1222	Substantially enhanced stability against degrafting of zwitterionic PMPC brushes by utilizing PGMA-linked initiators. 2017 , 89, 221-229	27
1221	Efficient synthetic access to thermo-responsive core/shell nanoparticles. 2017 , 28, 125601	10
1220	Automated Synthesis of Well-Defined Polymers and Biohybrids by Atom Transfer Radical Polymerization Using a DNA Synthesizer. 2017 , 56, 2740-2743	87
1219	Automated Synthesis of Well-Defined Polymers and Biohybrids by Atom Transfer Radical Polymerization Using a DNA Synthesizer. 2017 , 129, 2784-2787	23
1218	50th Anniversary Perspective: Polymers with Complex Architectures. <i>Macromolecules</i> , 2017 , 50, 1253-1290	225
1217	Novel alkoxyamines for the successful controlled polymerization of styrene and methacrylates. 2017 , 8, 1728-1736	26
1216	Electrochemical characterization of common catalysts and initiators for atom transfer radical polymerization in [BMIm][OTf]. 2017 , 77, 116-119	36
1215	Reversible addition-fragmentation chain transfer polymerization of alkyl-2-cyanoacrylates: An assessment of livingness. 2017 , 55, 1397-1408	5
1214	RAFT Inverse Microemulsion Polymerization: Effects of Monomer Solubility and Different Types of Initiators. 2017 , 11, 1600066	3
1213	Study of structure-performance relationships of polymeric dispersants on particle dispersion and stabilisation. 2017 , 7, 2513-2519	5
1212	Metallomacromolecules containing cobalt sandwich complexes: Synthesis and functional materials properties. 2017 , 337, 34-79	39
1211	Synthesis of binder-like molecules covalently linked to silicon nanoparticles and application as anode material for lithium-ion batteries without the use of electrolyte additives. 2017 , 345, 190-201	31
1210	Effect of block composition on the morphology and transport properties of sulfonated fluoroblock copolymer blend membranes. 2017 , 57, 1262-1272	0

1209	Polymer Brush-Modified Microring Resonators for Partition-Enhanced Small Molecule Chemical Detection. 2017 , 2, 1521-1524	2
1208	Activation of alkyl halides at the Cu ₀ surface in SARA ATRP: An assessment of reaction order and surface mechanisms. 2017 , 55, 3048-3057	8
1207	Synthetic approaches towards structurally-defined electrochemically and (photo)redox-active polymer architectures. 2017 , 46, 2754-2798	19
1206	Successful Cyclopolymerization of 1,6-Heptadiynes Using First-Generation Grubbs Catalyst Twenty Years after Its Invention: Revealing a Comprehensive Picture of Cyclopolymerization Using Grubbs Catalysts. <i>Macromolecules</i> , 2017 , 50, 3153-3163	5.5 18
1205	Catalyst Design of Iron Complexes. 2017 , 90, 761-775	25
1204	Synthesis of pyridoxine-based eagle-shaped asymmetric star polymers through seATRP. 2017 , 28, 1787-1793	16
1203	Opportunities for dual RDRP agents in synthesizing novel polymeric materials. 2017 , 8, 4916-4946	30
1202	Surface Energy and Thermal Stability Studies of Poly(dimethyl siloxane)Poly(alkyl(meth)acrylate) Copolymers. 2017 , 56, 1923-1936	4
1201	Visible-Light-Induced Atom-Transfer-Radical Polymerization with a ppm-Level Iron Catalyst. 2017 , 56, 4949-4956	18
1200	Recent advances in smart biotechnology: Hydrogels and nanocarriers for tailored bioactive molecules depot. 2017 , 249, 163-180	25
1199	Synthesis of Well-Defined Polymer Brushes from Silicon Wafers via Surface-Initiated seATRP. 2017 , 218, 1700106	25
1198	Fine-tuning the pH response of polymersomes for mimicking and controlling the cell membrane functionality. 2017 , 8, 2904-2908	29
1197	Semifluorinated PMMA Block Copolymers: Synthesis, Nanostructure, and Thin Film Properties. 2017 , 218, 1600599	5
1196	Mussel-inspired fabrication of functional materials and their environmental applications: Progress and prospects. 2017 , 7, 222-238	248
1195	Symmetrical polymer systems prepared using a degradable bifunctional atom transfer radical polymerization initiator: Synthesis, characterization, and cleavage. 2017 , 55, 2342-2355	3
1194	Organo-Copper(II) Complexes as Products of Radical Atom Transfer. 2017 , 56, 5784-5792	43
1193	Temporal Control in Mechanically Controlled Atom Transfer Radical Polymerization Using Low ppm of Cu Catalyst. 2017 , 6, 546-549	108
1192	Free-Radical Polymerization of Acrylic Acid under Extreme Reaction Conditions Mimicking Deep-Sea Hydrothermal Vents. 2017 , 2, 2765-2769	3

1191	Zwitterionic carbon nanotube assisted thin-film nanocomposite membranes with excellent efficiency for separation of mono/divalent ions from brackish water. 2017 , 5, 13730-13739		44
1190	Synthesis of Nanoparticle Copolymer Brushes via Surface-Initiated seATRP. <i>Macromolecules</i> , 2017 , 50, 4151-4159	5-5	43
1189	Regiodivergent Chlorine-Atom-Transfer Ring-Opening Reactions of Trichloromethylcyclopropanes. 2017 , 2017, 3652-3657		2
1188	Synthesis of inositol-based star polymers through low ppm ATRP methods. 2017 , 28, 1804-1812		22
1187	Atom transfer radical polymerization of methyl methacrylate using copper-based homogeneous and heterogeneous catalysts. 2017 , 71, 2117-2127		1
1186	Synthesis and characterization of exfoliated polystyrene grafted hexagonal boron nitride nanosheets and their potential application in heat transfer nanofluids. 2017 , 26, 467-480		9
1185	Enhancement of surface properties and performance of reverse osmosis membranes after surface modification: A review. 2017 , 420, 330-383		144
1184	Photo-induced surface grafting of phosphorylcholine containing copolymers onto mesoporous silica nanoparticles for controlled drug delivery. 2017 , 79, 596-604		23
1183	Selenium borohydride reaction as a versatile platform for the straightforward preparation of selenide-containing topological polymers. 2017 , 8, 3958-3964		8
1182	Supramolecular self-assembly of an ABA-Triblock bottlebrush polymer: Atomic-force microscopy visualization of discrete oligomers. 2017 , 120, 68-72		16
1181	A versatile and rapid coating method via a combination of plasma polymerization and surface-initiated SET-LRP for the fabrication of low-fouling surfaces. 2017 , 55, 2527-2536		10
1180	A effective approach for surface modification of polymer membrane via SI-eATRP in an electrochemical cell with a three electrode system. 2017 , 8, 119-126		12
1179	Effects of Tailored Dispersity on the Self-Assembly of Dimethylsiloxane-Methyl Methacrylate Block Co-Oligomers. 2017 , 6, 668-673		61
1178	Grafting challenging monomers from proteins using aqueous ICAR ATRP under bio-relevant conditions. 2017 , 8, 3992-3998		16
1177	The architecture of responsive polymeric ligands on protein binding and recovery. 2017 , 7, 27823-27832		6
1176	Mesoporous nitrogen-doped carbons from PAN-based molecular bottlebrushes. 2017 , 126, 352-359		21
1175	ATRP in Water: Kinetic Analysis of Active and Super-Active Catalysts for Enhanced Polymerization Control. <i>Macromolecules</i> , 2017 , 50, 2696-2705	5-5	73
1174	Metal-Free Photoinduced Electron Transfer-Atom Transfer Radical Polymerization Integrated with Bioinspired Polydopamine Chemistry as a Green Strategy for Surface Engineering of Magnetic Nanoparticles. 2017 , 9, 13637-13646		45

1173	Toughening PMMA with fillers containing polymer brushes synthesized via atom transfer radical polymerization (ATRP). 2017 , 117, 48-53		22
1172	Preparation and controlled drug delivery applications of mesoporous silica polymer nanocomposites through the visible light induced surface-initiated ATRP. 2017 , 412, 571-577		29
1171	Functionalization of conducting polymers for biointerface applications. 2017 , 70, 18-33		76
1170	Polyacrylonitrile-b-poly(butyl acrylate) Block Copolymers as Precursors to Mesoporous Nitrogen-Doped Carbons: Synthesis and Nanostructure. <i>Macromolecules</i> , 2017 , 50, 2759-2767	5-5	43
1169	Heterografted Molecular Brushes as Stabilizers for Water-in-Oil Emulsions. <i>Macromolecules</i> , 2017 , 50, 2942-2950	5-5	47
1168	Fentanyl Initiated Polymers Prepared by ATRP for Targeted Delivery. 2017 , 28, 1251-1259		9
1167	Biocatalytic atom transfer radical polymerization in a protein cage nanoreactor. 2017 , 8, 2133-2136		29
1166	Radicals in Action: A Festival of Radical Transformations. 2017 , 19, 1257-1269		36
1165	Copper-catalyzed direct alkylation of heteroarenes. 2017 , 8, 3465-3470		53
1164	Established and emerging strategies for polymer chain-end modification. 2017 , 55, 2903-2914		62
1163	Irregular polystyrene peroxides as promising macroinitiators synthesized by radical polymerization under oxygen inflow. 2017 , 89, 67-77		7
1162	Mitigation of Biofilm Development on Thin-Film Composite Membranes Functionalized with Zwitterionic Polymers and Silver Nanoparticles. 2017 , 51, 182-191		137
1161	A Titanium-Organic Framework: Engineering of the Band-Gap Energy for Photocatalytic Property Enhancement. 2017 , 7, 338-342		91
1160	Phenyl Benzo[b]phenothiazine as a Visible Light Photoredox Catalyst for Metal-Free Atom Transfer Radical Polymerization. 2017 , 23, 5972-5977		85
1159	A novel synthetic approach to poly(hydrosiloxane)s via hydrolytic oxidation of primary organosilanes with a AuNPs-stabilized Pickering interfacial catalyst. 2017 , 7, 344-351		15
1158	Universal Conditions for the Controlled Polymerization of Acrylates, Methacrylates, and Styrene via Cu(0)-RDRP. 2017 , 139, 1003-1010		72
1157	Phosphonium polymers for gene delivery. 2017 , 8, 353-360		21
1156	Fabrication of a new gel polymer electrolyte containing core-shell silica-polyelectrolyte nanoparticles via activators regenerated by electron transfer atom transfer radical polymerization (ARGET-ATRP) for high-performance lithium-sulfur batteries. 2017 , 71, 21-28		10

1155	Surface-Initiated Atom Transfer Radical Polymerization from Electrospun Mats: An Alternative to Nafion. 2017 , 302, 1600410		6
1154	Optical and Magnetic Resonance Imaging Using Fluorous Colloidal Nanoparticles. 2017 , 18, 103-112		22
1153	A Simplified Fe-Based PhotoATRP Using Only Monomers and Solvent. 2017 , 38, 1600651		29
1152	Near-IR-induced dissociation of thermally-sensitive star polymers. 2017 , 8, 1815-1821		26
1151	Intramolecular Charge Transfer and Ion Pairing in N,N-Diaryl Dihydrophenazine Photoredox Catalysts for Efficient Organocatalyzed Atom Transfer Radical Polymerization. 2017 , 139, 348-355		168
1150	Efficient dispersion of TiO ₂ using tailor made poly(acrylic acid) based block copolymers, and its incorporation in water based paint formulation. 2017 , 104, 34-42		15
1149	Atom Transfer Radical Polymerization with Different Halides (F, Cl, Br, and I): Is the Process Living in the Presence of Fluorinated Initiators?. <i>Macromolecules</i> , 2017 , 50, 192-202	5-5	55
1148	Polymerization-induced self-assembly of acrylonitrile via ICAR ATRP. 2017 , 129, 57-67		32
1147	Tunable intramolecular cyclization and glass transition temperature of hyperbranched polymers by regulating monomer reactivity. 2017 , 96, 474-483		13
1146	Synthesis of diblock copolymer nano-assemblies by PISA under dispersion polymerization: comparison between ATRP and RAFT. 2017 , 8, 6407-6415		32
1145	Disproportionation or Combination? The Termination of Acrylate Radicals in ATRP. <i>Macromolecules</i> , 2017 , 50, 7920-7929	5-5	57
1144	Enhancing Mechanically Induced ATRP by Promoting Interfacial Electron Transfer from Piezoelectric Nanoparticles to Cu Catalysts. <i>Macromolecules</i> , 2017 , 50, 7940-7948	5-5	82
1143	An Optical Tweezers Platform for Single Molecule Force Spectroscopy in Organic Solvents. 2017 , 17, 6598-6605		22
1142	Unraveling the Correlations between Conformation, Lubrication, and Chemical Stability of Bottlebrush Polymers at Interfaces. 2017 , 18, 4002-4010		21
1141	Synergic Effect between Nucleophilic Monomers and Cu(II) Metal-Organic Framework for Visible-Light-Triggered Controlled Photopolymerization. 2017 , 29, 9445-9455		43
1140	Photoinduced Iron-Catalyzed Atom Transfer Radical Polymerization with ppm Levels of Iron Catalyst under Blue Light Irradiation. <i>Macromolecules</i> , 2017 , 50, 7967-7977	5-5	51
1139	Rice husk grafted PMAA by ATRP in aqueous phase and its adsorption for Ce ³⁺ . 2017 , 690, 68-73		14
1138	Atom transfer radical polymerization by [RuCl ₂ (PPh ₃) ₂ (amine)] catalysts: Cyclic amines as tuner of reactivity. 2017 , 24, 1		4

1137	Predictive Tool for Design and Analysis of ARGET ATRP Grafting Reactions. <i>Macromolecules</i> , 2017 , 50, 7930-7939	5.5	11
1136	Silica gel supported co(acac) ₂ catalyst in the controlled radical polymerization of vinyl acetate: an easy and practical method to make crystallized poly(vinyl acetate) in a one step process. 2017 , 24, 1		2
1135	Photocatalytic Active Mesoporous Carbon/ZnO Hybrid Materials from Block Copolymer Tethered ZnO Nanocrystals. 2017 , 33, 12276-12284		17
1134	Controlled poly(olefin)s via decarboxylation of poly(acrylic acid). 2017 , 8, 6636-6643		10
1133	50th Anniversary Perspective: RAFT Polymerization A User Guide. <i>Macromolecules</i> , 2017 , 50, 7433-7447	5.5	605
1132	Electrochemically Mediated Reversible Addition-Fragmentation Chain-Transfer Polymerization. <i>Macromolecules</i> , 2017 , 50, 7872-7879	5.5	74
1131	Growth of polymer brushes by grafting from via ATRP Monte Carlo simulations. 2017 , 130, 267-279		13
1130	Altering the effectiveness of radical traps in atom transfer radical coupling reactions of polymer chains. 2017 , 127, 66-76		8
1129	Cu-catalyzed intermolecular oxyalkylation of styrenes under air: access to diverse iminolactones. 2017 , 7, 41723-41726		12
1128	Photoactivated Structurally Tailored and Engineered Macromolecular (STEM) gels as precursors for materials with spatially differentiated mechanical properties. 2017 , 126, 224-230		20
1127	Syntheses and effectiveness of functional peptide-based RAFT agents. 2017 , 53, 10776-10779		15
1126	Tuning the reactivity and efficiency of copper catalysts for atom transfer radical polymerization by synthetic modification of tris(2-methylpyridyl)amine. 2017 , 128, 169-176		37
1125	50th Anniversary Perspective: Living Polymerization Emphasizing the Molecule in <i>Macromolecules</i> . <i>Macromolecules</i> , 2017 , 50, 6979-6997	5.5	203
1124	Radical Ring-Opening Copolymerization of Cyclic Ketene Acetals and Maleimides Affords Homogeneous Incorporation of Degradable Units. 2017 , 6, 1071-1077		33
1123	Temperature programmed photo-induced RAFT polymerization of stereo-block copolymers of poly(vinyl acetate). 2017 , 8, 6024-6027		16
1122	Facile Aqueous Route to Nitrogen-Doped Mesoporous Carbons. 2017 , 139, 12931-12934		73
1121	Hydrogen bond based smart polymer for highly selective and tunable capture of multiply phosphorylated peptides. 2017 , 8, 461		51
1120	Surface functionalization of TFC FO membranes with zwitterionic polymers: Improvement of antifouling and salt-responsive cleaning properties. 2017 , 544, 368-377		50

1119	Green Tea Makes Polyphenol Nanoparticles with Radical-Scavenging Activities. 2017 , 38, 1700446	54
1118	Facile, simple, and inexpensive ionic liquid, 1-phenyl-3-methylimidazole diphenyl phosphate, as an efficient phosphorus-based ligand for copper-catalyzed reverse atom transfer radical polymerization of methyl methacrylate. 2017 , 7, 45022-45028	4
1117	Polymer Conjugation to Enhance Cellulase Activity and Preserve Thermal and Functional Stability. 2017 , 28, 2638-2645	16
1116	Mechanism of Supplemental Activator and Reducing Agent Atom Transfer Radical Polymerization Mediated by Inorganic Sulfites: Experimental Measurements and Kinetic Simulations. 2017 , 8, 6506-6519	18
1115	Polymerization and Film Formation. 2017 , 6-28	
1114	Mechanical and responsive properties of temperature-responsive gels prepared via atom transfer radical polymerization. 2017 , 8, 6050-6057	14
1113	Iron and copper based catalysts containing anionic phenolate ligands for atom transfer radical polymerization. 2017 , 25, 504-512	7
1112	Enhanced interfacial activity of multi-arm poly(ethylene oxide) star polymers relative to linear poly(ethylene oxide) at fluid interfaces. 2017 , 19, 23854-23868	10
1111	Preparation of Chitin-Based Nanocomposite Materials Through Gelation with Ionic Liquid. 2017 , 97-120	2
1110	Catechol- and ketone-containing multifunctional bottlebrush polymers for oxime ligation and hydrogel formation. 2017 , 8, 4707-4715	20
1109	Synthesis and post-polymerisation ligations of PEG-based hyperbranched polymers for RNA conjugation via reversible disulfide linkage. 2017 , 25, 599-614	3
1108	Synthesis of CO ₂ -responsive cellulose nanocrystals by surface-initiated Cu(0)-mediated polymerisation. 2017 , 19, 4141-4152	29
1107	Recent Advances in Polymer Organic Light-Emitting Diodes (PLED) Using Non-conjugated Polymers as the Emitting Layer and Contrasting Them with Conjugated Counterparts. 2017 , 46, 6246-6281	38
1106	Preparation, morphology and sonication time dependence of silver nanoparticles in amphiphilic block copolymers of PEO with polystyrene or PMMA. 2017 , 24, 1	4
1105	Natural Seminal Amyloids as Targets for Development of Synthetic Inhibitors of HIV Transmission. 2017 , 50, 2159-2166	6
1104	Synthesis and characterization of gibbsite nanoplatelet brushes by surface-initiated atom transfer radical polymerization. 2017 , 126, 126-132	8
1103	Lignin-based polymers via graft copolymerization. 2017 , 55, 3515-3528	61
1102	A Useful Method for Preparing Mixed Brush Polymer Grafted Nanoparticles by Polymerizing Block Copolymers from Surfaces with Reversed Monomer Addition Sequence. 2017 , 38, 1700300	7

1101	Thiolene (Click) Reactions as Efficient Tools for Terpene Modification. 2017 , 6, 1702-1714		19
1100	Polymer Brushes by Atom Transfer Radical Polymerization. 2017 , 29-95		1
1099	Layer-By-Layer Self-Assembly of Polyelectrolytic Block Copolymer Worms on a Planar Substrate. 2017 , 33, 14425-14436		15
1098	Nanocomposite carbon dots/PAM fluorescent hydrogels and their mechanical properties. 2017 , 24, 1		16
1097	Scanning wave photopolymerization enables dye-free alignment patterning of liquid crystals. 2017 , 3, e1701610		35
1096	Fabrication of multifunctional fluorescent organic nanoparticles with AIE feature through photo-initiated RAFT polymerization. 2017 , 8, 7390-7399		21
1095	Desulfurization-bromination: direct chain-end modification of RAFT polymers. 2017 , 8, 7188-7194		11
1094	Polymer brushes for antibiofouling and lubrication. 2017 , 3, 97-114		32
1093	Photoinduced Fe-mediated atom transfer radical polymerization in aqueous media. 2017 , 8, 7360-7368		17
1092	Detection of site-dependent segmental mobility of polymer by fluorescent defocused imaging. 2017 , 35, 1488-1496		3
1091	Synthetic Lift-off Polymer beneath Layer-by-Layer Films for Surface-Mediated Drug Delivery. 2017 , 6, 1320-1324		8
1090	Miniemulsion ARGET ATRP via Interfacial and Ion-Pair Catalysis: From ppm to ppb of Residual Copper. <i>Macromolecules</i> , 2017 , 50, 8417-8425	5.5	56
1089	Recent advances in macromolecular prodrugs. 2017 , 31, 1-9		23
1088	Molecular Weight Distribution of Living Chains in Polystyrene Prepared by Atom Transfer Radical Polymerization. 2017 , 6, 758-761		21
1087	Fuel-Mediated Transient Clustering of Colloidal Building Blocks. 2017 , 139, 9763-9766		74
1086	Bactericidal Specificity and Resistance Profile of Poly(Quaternary Ammonium) Polymers and Protein-Poly(Quaternary Ammonium) Conjugates. 2017 , 18, 2583-2593		31
1085	Probing the Impact of the Initiator Layer on Grafted-from Polymer Brushes: A Positron Annihilation Spectroscopy Study. <i>Macromolecules</i> , 2017 , 50, 5574-5581	5.5	13
1084	Surface plasmon resonance methodology for monitoring polymerization kinetics and morphology changes of brushes evaluated with poly(N-isopropylacrylamide). 2017 , 396, 384-392		13

1083	Synthesis of Polystyrene and Poly(4-vinylpyridine) Mixed Grafted Silica Nanoparticles via a Combination of ATRP and Cu -Catalyzed Azide-Alkyne Click Chemistry. 2017 , 38, 1600475	12
1082	Natural Fiber-Based Biocomposites. 2017 , 31-70	8
1081	A PHEA-g-PEO well-defined graft copolymer exhibiting the synchronous encapsulation of both hydrophobic pyrene and hydrophilic Rhodamine 6G. 2017 , 8, 431-440	6
1080	Chain-by-Chain Monte Carlo Simulation: A Novel Hybrid Method for Modeling Polymerization. Part I. Linear Controlled Radical Polymerization Systems. 2017 , 11, 1600042	15
1079	Influence of RAFT end-groups on the water swelling of poly(N-propyl methacrylate). 2017 , 55, 77-84	2
1078	Ru-dimethyl sulfoxide complexes as catalysts precursors for ROMP of norbornene and ATRP of methyl methacrylate. 2017 , 456, 171-178	7
1077	Keto-polymethines: a versatile class of dyes with outstanding spectroscopic properties for and two-photon microscopy imaging. 2017 , 8, 381-394	27
1076	A Straightforward Estimation of Activation and Deactivation Parameters for ATRP Systems from Actual Polymerization Rate and Molecular Weight Distribution Data. 2017 , 26, 1600045	3
1075	Membrane chromatography for protein purifications from ligand design to functionalization. 2017 , 52, 299-319	33
1074	Functionalized and graft copolymers of chitosan and its pharmaceutical applications. 2017 , 14, 1189-1204	43
1073	Gradients in Homopolymers, Blends, and Copolymers. 2017 , 185-210	4
1072	Aqueous SARA ATRP using Inorganic Sulfites. 2017 , 8, 375-387	38
1071	RAFT polymerization to form stimuli-responsive polymers. 2017 , 8, 177-219	218
1070	Synthesis of cationic fluorinated polyacrylate copolymer by RAFT emulsifier-free emulsion polymerization and its application as waterborne textile finishing agent. 2017 , 139, 102-109	24
1069	Eutectic mixtures as a green alternative for efficient catalyst recycling in atom transfer radical polymerizations. 2017 , 55, 371-381	15
1068	Synthesis of Narrow Molecular Weight Distribution Copolymers for ArF Photoresist Materials by Nitroxide Mediated Polymerization. 2017 , 11, 1600029	5
1067	Synthesis and properties of well-defined carbazole-containing fluorescent star polymers of different arms. 2017 , 17, 15-22	3
1066	Synthesis of Graft Copolyimides with Poly(N,N-dimethylamino-2-ethyl methacrylate) Side Chains and Hybrid Nanocomposites with Silver Nanoparticles. 2017 , 59, 674-688	5

1065	Preparation of nanoscale organosols and hydrosols via the phase transfer route. 2017 , 19, 1	6
1064	Rational Design of Polypeptide-Based Block Copolymer for Nonviral Gene Delivery. 2017 , 2, 12006-12013	3
1063	Diimine palladium(II) based complexes mediated polymerization of methyl methacrylate. 2017 , 10, S1209-S1215	4
1062	Nanocellulose-Based Materials in Supramolecular Chemistry. 2017 , 351-364	0
1061	Lignin from Micro- to Nanosize: Applications. 2017 , 18,	97
1060	Poly(2-(diethylamino)ethyl methacrylate)-based, pH-responsive, copolymeric mixed micelles for targeting anticancer drug control release. 2017 , 12, 6857-6870	15
1059	Engineering of Syndiotactic and Isotactic Polystyrene-Based Copolymers via Stereoselective Catalytic Polymerization. 2017 , 22,	14
1058	Synthesis and Functionalization of Periodic Copolymers. 2017 , 9,	3
1057	Combining ATRP and FRP Gels: Soft Gluing of Polymeric Materials for the Fabrication of Stackable Gels. 2017 , 9,	9
1056	Recent Progress on Hyperbranched Polymers Synthesized via Radical-Based Self-Condensing Vinyl Polymerization. 2017 , 9,	47
1055	Allylthio ketone Mediated Free Radical Polymerization of Methacrylates. 2017 , 9,	3
1054	Bis(formylphenolato)cobalt(II)-Mediated Alternating Radical Copolymerization of tert-Butyl 2-Trifluoromethylacrylate with Vinyl Acetate. 2017 , 9,	13
1053	Poly(N-isopropylacrylamide) and Copolymers: A Review on Recent Progresses in Biomedical Applications. 2017 , 3,	170
1052	Approaches for Conjugating Tailor-Made Polymers to Proteins. 2017 , 590, 193-224	7
1051	Poly(urethane-methacrylate) Copolymers Prepared by the Atom Transfer Radical Polymerization Methods as a New Material for Hydrophobic Coatings. 2017 , 247-260	1
1050	Comparison of Polymer Networks Synthesized by Conventional Free Radical and RAFT Copolymerization Processes in Supercritical Carbon Dioxide. 2017 , 5, 26	10
1049	Systematic Study of a Library of PDMAEMA-Based, Superparamagnetic Nano-Stars for the Transfection of CHO-K1 Cells. 2017 , 9,	5
1048	2,2,6,6-Tetramethylpiperidyl-1-oxyl (TEMPO) Functionalized Benzoxazines Prepared with a One-Pot Synthesis for Reactive/Crosslinkable Initiators of Nitroxide Mediated Polymerization. 2017 , 38, 1700078	4

1047	Synthesis and characterization of sugar-based methacrylates and their random copolymers by ATRP. 2017 , 11, 799-808	10
1046	Reversible Surface Engineering via Nitrene-Mediated Radical Coupling. 2018 , 34, 3244-3255	2
1045	Structure-Property Relationships for Tailoring Phenoxazines as Reducing Photoredox Catalysts. 2018 , 140, 5088-5101	142
1044	Kontrolle der Molmassenverteilung durch Polymerisation in der analytischen Ultrazentrifuge. 2018 , 130, 8416-8419	3
1043	Tuning the molecular weight distribution from atom transfer radical polymerization using deep reinforcement learning. 2018 , 3, 496-508	25
1042	Synthesis of water soluble metalloporphyrin-cored amphiphilic star block copolymer photocatalysts for an environmental application. 2018 , 44, 4663-4684	4
1041	Atom Transfer Radical Addition using Photoredox Catalysis. 2018 , 73-92	11
1040	Bis(formylpyrrolyl) cobalt complexes as mediators in the reversible-deactivation radical polymerization of styrene and methyl methacrylate. 2018 , 42, 5900-5913	2
1039	Control of Molar Mass Distribution by Polymerization in the Analytical Ultracentrifuge. 2018 , 57, 8284-8287	16
1038	How the catalyst circulates and works in organocatalyzed atom transfer radical polymerization. 2018 , 64, 2581-2591	11
1037	Synthesis of polystyrene-grafted nanosilica via nitroxide radical coupling reaction and its application in UV-curable acrylate-based coating systems. 2018 , 119, 76-84	3
1036	Shear Thickening Electrolyte Built from Sterically Stabilized Colloidal Particles. 2018 , 10, 9424-9434	16
1035	Precise synthesis of poly(N-acryloyl amino acid) through photoinduced living polymerization. 2018 , 9, 2733-2745	16
1034	Normal, ICAR and photomediated butadiene-ATRP with iron complexes. 2018 , 9, 2389-2406	15
1033	Site-selective protein modification with polymers for advanced biomedical applications. 2018 , 178, 413-434	42
1032	Organic Ring-Opening Polymerization Catalysts: Reactivity Control by Balancing Acidity. <i>Macromolecules</i> , 2018 , 51, 2932-2938	5-5 73
1031	Toward Ultimate Control of Radical Polymerization: Functionalized Metal-Organic Frameworks as a Robust Environment for Metal-Catalyzed Polymerizations. 2018 , 30, 2983-2994	34
1030	Diphilic Macromolecular Brushes with a Polyimide Backbone and Poly(methacrylic acid) Blocks in Side Chains. 2018 , 60, 35-50	16

1029	Polymer-Grafted Conjugated Polymers as Functional Biointerfaces. 2018 , 359-401	0
1028	Complex Organic Synthesis: Structure, Properties, and/or Function?. 2018 , 58, 142-150	16
1027	Ultrasonication-Induced Aqueous Atom Transfer Radical Polymerization. 2018 , 7, 275-280	95
1026	Star polymer-based unimolecular micelles and their application in bio-imaging and diagnosis. 2018 , 178, 738-750	48
1025	Copper(II) photoinduced graft modification of P(VDF-co-CTFE). 2018 , 100, 228-232	9
1024	The influence of using sodium dithionite as SARA agent in miniemulsion ATRP. 2018 , 56, 879-888	1
1023	Macromolecular prodrugs of ribavirin: Polymer backbone defines blood safety, drug release, and efficacy of anti-inflammatory effects. 2018 , 275, 53-66	9
1022	Porous Organic Polymers via Ring Opening Metathesis Polymerization. 2018 , 7, 300-304	13
1021	Broadband Antireflection Coatings Based on Low Surface Energy/Refractive Index Silica/Fluorinated Polymer Nanocomposites. 2018 , 1, 741-750	6
1020	Anticoagulant polyurethane substrates modified with poly(2-methacryloyloxyethyl phosphorylcholine) via SI-RATRP. 2018 , 163, 301-308	16
1019	Calorimetric studies of PEO-b-PMMA and PEO-b-PiPMA diblock copolymers synthesized via atom transfer radical polymerization. 2018 , 139, 11-19	7
1018	Nanoflower-Shaped Biocatalyst with Peroxidase Activity Enhances the Reversible Addition-Fragmentation Chain Transfer Polymerization of Methacrylate Monomers. <i>Macromolecules</i> , 2018 , 51, 716-723	5.5 9
1017	Double Hydrophilic Block Copolymer Self-Assembly in Aqueous Solution. 2018 , 219, 1700494	45
1016	Covalently attached mesoporous silica-based liquid hybrid nanomaterial as water lubrication additives for polymer-metal tribopair. 2018 , 119, 721-730	19
1015	New protocol to determine the equilibrium constant of atom transfer radical polymerization. 2018 , 260, 648-655	35
1014	Controllable preparation of polymer brushes from mesoporous silica SBA-15 via surface-initiated ARGET ATRP. 2018 , 263, 158-164	12
1013	Mathematical modeling of reverse atom transfer radical polymerization in miniemulsion. 2018 , 145, 48-59	2
1012	Facile preparation of fluorescent layered double hydroxide polymeric composites through the photo-induced surface-initiated controlled living polymerization. 2018 , 439, 254-262	6

1011	Electrochemically mediated ATRP in ionic liquids: controlled polymerization of methyl acrylate in [BMim][OTf]. 2018 , 9, 646-655	35
1010	ZnO/carbon hybrids derived from polymer nanocomposite precursor materials for pseudocapacitor electrodes with high cycling stability. 2018 , 137, 370-377	19
1009	Synthesis and Characterization of the Most Active Copper ATRP Catalyst Based on Tris[(4-dimethylaminopyridyl)methyl]amine. 2018 , 140, 1525-1534	94
1008	Remarkable electrically actuation performance in advanced acrylic-based dielectric elastomers without pre-strain at very low driving electric field. 2018 , 137, 269-275	33
1007	Site-Specific Conjugation of Polymers to Proteins. 2018 , 19, 1804-1825	56
1006	Synthesis of thermo-responsive nanocomposites of superparamagnetic cobalt nanoparticles/poly(N-isopropylacrylamide). 2018 , 526, 124-134	8
1005	Up in the air: oxygen tolerance in controlled/living radical polymerisation. 2018 , 47, 4357-4387	234
1004	Continuous Flow Photoinduced Reversible Deactivation Radical Polymerization. 2018 , 2, 831-838	18
1003	Modification of graphene oxide by ATRP: A pH-responsive additive in membrane for separation of salts, dyes and heavy metals. 2018 , 6, 3122-3134	16
1002	Facile preparation of thermoresponsive fluorescent silica nanoparticles based composites through the oxygen tolerance light-induced RAFT polymerization. 2018 , 259, 179-185	12
1001	Friction and adhesion control between adsorbed layers of polyelectrolyte brush-grafted nanoparticles via pH-triggered bridging interactions. 2018 , 526, 114-123	9
1000	Next Generation of Guanidine Quinoline Copper Complexes for Highly Controlled ATRP: Influence of Backbone Substitution on Redox Chemistry and Solubility. 2018 , 2018, 3164-3175	10
999	Angle-Dependent Atomic Force Microscopy Single-Chain Pulling of Adsorbed Macromolecules from Planar Surfaces Unveils the Signature of an Adsorption-Desorption Transition. 2018 , 140, 6408-6415	8
998	Controlling external versus internal pore modification of ultrafiltration membranes using surface-initiated AGET-ATRP. 2018 , 554, 109-116	20
997	Salt-Induced Control of the Grafting Density in Poly(ethylene glycol) Brush Layers by a Grafting-to Approach. 2018 , 34, 4455-4464	15
996	Novel strategies for the synthesis of hydroxylated and carboxylated polystyrenes. 2018 , 25, 1	11
995	Aqueous Metal-Free Atom Transfer Radical Polymerization: Experiments and Model-Based Approach for Mechanistic Understanding. <i>Macromolecules</i> , 2018 , 51, 2367-2376	5-5 44
994	How Do Reaction and Reactor Conditions Affect Photoinduced Electron/Energy Transfer Reversible Addition Fragmentation Transfer Polymerization?. 2018 , 57, 4203-4213	37

993	Organosilica with Grafted Polyacrylonitrile Brushes for High Surface Area Nitrogen-Enriched Nanoporous Carbons. 2018 , 30, 2208-2212	18
992	Photochemical tuning of materials: A click chemistry perspective. 2018 , 8, 56-84	28
991	Polymer coating technology for high performance applications: Fundamentals and advances. 2018 , 55, 440-448	26
990	Photoinduced metal-free atom transfer radical polymerizations: state-of-the-art, mechanistic aspects and applications. 2018 , 9, 1757-1762	67
989	An Integrated Therapeutic Delivery System for Enhanced Treatment of Hepatocellular Carcinoma. 2018 , 28, 1706600	29
988	Amphiphilic comb-like pentablock copolymers of Pluronic L64 and poly(ethylene glycol)methyl ether methacrylate: synthesis by ATRP, self-assembly, and clouding behavior. 2018 , 27, 297-306	3
987	Synthesis of associative block copolymers electrolytes via RAFT polymerization. 2018 , 75, 891-907	9
986	Preparation of the AOPAN-poly(HEMA) nanofibers via the atom transfer radical polymerization method and their application for laccase immobilization. 2018 , 48, 25-37	1
985	Antimicrobial polymeric nanoparticles. 2018 , 76, 40-64	147
984	Stabilization of CO ₂ -in-water emulsions by nonfluorinated surfactants with enhanced CO ₂ -philic tails. 2018 , 133, 163-170	7
983	Advances in Atomic Force Microscopy for Probing Polymer Structure and Properties. <i>Macromolecules</i> , 2018 , 51, 3-24	5-5 77
982	Amphiphilic diblock and crosslinked copolymers synthesized via metal-free atom transfer radical polymerization. 2018 , 67, 127-131	4
981	Cu-Catalyzed Three-Component Carboamination of Alkenes. 2018 , 140, 58-61	93
980	Atmospheric pressure plasma - ARGET ATRP modification of poly(ether sulfone) membranes: A combination attack. 2018 , 546, 151-157	17
979	Development of antifouling poly(vinyl chloride) blend membranes by atom transfer radical polymerization. 2018 , 135, 45832	11
978	Iron(III) porphyrin catalyzed ionic liquid mediated polymerization of methylmethacrylate. 2018 , 32, e4044	4
977	An efficient, heterogeneous, reusable atom transfer radical polymerization catalyst. 2018 , 67, 55-60	5
976	Iron-based electrochemically mediated atom transfer radical polymerization with tunable catalytic activity. 2018 , 64, 961-969	21

975	A photocatalyst immobilized on fibrous and porous monolithic cellulose for heterogeneous catalysis of controlled radical polymerization. 2018 , 9, 1666-1673	43
974	Surface modification and drug delivery applications of MoS ₂ nanosheets with polymers through the combination of mussel inspired chemistry and SET-LRP. 2018 , 82, 205-213	105
973	Antifouling coatings via plasma polymerization and atom transfer radical polymerization on thin film composite membranes for reverse osmosis. 2018 , 436, 207-216	20
972	A Breathing Atom-Transfer Radical Polymerization: Fully Oxygen-Tolerant Polymerization Inspired by Aerobic Respiration of Cells. 2018 , 57, 933-936	129
971	Direct ATRP of Methacrylic Acid with Iron-Porphyrin Based Catalysts. 2018 , 7, 26-30	23
970	A Breathing Atom-Transfer Radical Polymerization: Fully Oxygen-Tolerant Polymerization Inspired by Aerobic Respiration of Cells. 2018 , 130, 945-948	34
969	Fabrication of Hyperbranched Block-Statistical Copolymer-Based Prodrug with Dual Sensitivities for Controlled Release. 2018 , 29, 190-202	22
968	Poly(N-vinyl imidazole) grafted silica nanofillers: Synthesis by RAFT polymerization and nanocomposites with polybenzimidazole. 2018 , 56, 365-375	22
967	Laccase-Mediated Grafting on Biopolymers and Synthetic Polymers: A Critical Review. 2018 , 19, 288-311	50
966	Single-Ion Homopolymer Electrolytes with High Transference Number Prepared by Click Chemistry and Photoinduced Metal-Free Atom-Transfer Radical Polymerization. 2018 , 3, 20-27	71
965	Synthesis and thermal properties of poly(vinylcyclohexane)-b-poly(4-vinylpyridine) diblock copolymers prepared via RAFT polymerization. 2018 , 18, 197-203	2
964	Electrochemical triggering and control of atom transfer radical polymerization. 2018 , 8, 1-7	32
963	Living Ab Initio Emulsion Polymerization of Methyl Methacrylate in Water Using a Water-Soluble Organotellurium Chain Transfer Agent under Thermal and Photochemical Conditions. 2018 , 57, 962-966	21
962	Living Ab Initio Emulsion Polymerization of Methyl Methacrylate in Water Using a Water-Soluble Organotellurium Chain Transfer Agent under Thermal and Photochemical Conditions. 2018 , 130, 974-978	5
961	Microwave-assisted rapid synthesis of Fe ₃ O ₄ /poly(styrene-divinylbenzene-acrylic acid) polymeric magnetic composites and investigation of their structural and magnetic properties. 2018 , 98, 177-190	33
960	Graft modification of natural polysaccharides via reversible deactivation radical polymerization. 2018 , 76, 151-173	95
959	Positioning a fluorescent probe at the core of a glassy star polymer for detection of local dynamics. 2018 , 29, 374-380	2
958	Synthesis, self-assembly, and pH-responsive drug release of PHMEMA-PEG-PHMEMA ABA triblock copolymers. 2018 , 55, 691-697	5

957	Elucidation of the Mechanism and Synthetic Utilization of Termination Reaction of Radical Polymerization Based on Living Radical Polymerization. 2018 , 75, 444-455	1
956	The Curious Case of a Phenylated Guanidinoquinoline Ligand: Synthesis, Complexes and ATRP Properties of DMEG6phqu. 2018 , 644, 1317-1328	3
955	Addressing the role of triphenylphosphine in copper catalyzed ATRP. 2018 , 9, 5348-5358	7
954	Two-compartment kinetic Monte Carlo modelling of electrochemically mediated ATRP. 2018 , 3, 866-874	21
953	An efficient room-temperature synthesis of highly phosphorescent styrenic Pt(II) complexes and their polymerization by ATRP. 2018 , 9, 5418-5425	2
952	Amphiphilic Fluorine-Containing Block Copolymers as Carriers for Hydrophobic PtTFPP for Dissolved Oxygen Sensing, Cell Respiration Monitoring and In Vivo Hypoxia Imaging with High Quantum Efficiency and Long Lifetime. 2018 , 18,	5
951	Continuous-Flow Microreactors for Polymer Synthesis: Engineering Principles and Applications. 2018 , 376, 44	21
950	Confinement driven crystallization of ABA crystalline-soft-crystalline block copolymers synthesized via RAFT mediated miniemulsion polymerization. 2018 , 158, 327-337	3
949	Stimulus-Responsive Soft Surface/Interface Toward Applications in Adhesion, Sensor and Biomaterial. 2018 , 287-397	1
948	Wet-Chemical Synthesis of Chiral Colloids. 2018 , 12, 12089-12095	8
947	Fabrication of Porous Functional Nanonetwork-Structured Polymers with Enhanced Adsorption Performance from Well-Defined Molecular Brush Building Blocks. 2018 , 30, 8624-8629	7
946	Biocatalytic Polymerization, Bioinspired Surfactants, and Bioconjugates Using RAFT Polymerization. 2018 , 219-232	1
945	Solution Self-Assembly of Giant Surfactants: An Exploration on Molecular Architectures. 2018 , 309-329	
944	Anionic Polymer Brushes for Biomimetic Calcium Phosphate Mineralization-A Surface with Application Potential in Biomaterials. 2018 , 10,	7
943	Tailoring Performance, Damping, and Surface Properties of Magnetorheological Elastomers via Particle-Grafting Technology. 2018 , 10,	16
942	A Perspective on Reversibility in Controlled Polymerization Systems: Recent Progress and New Opportunities. 2018 , 23,	10
941	ARGET ATRP of Triblock Copolymers (PMMA-PEO-PMMA) and Their Microstructure in Aqueous Solution. 2018 , 3, 15996-16004	8
940	Preparation of New Acrylic-Based Dielectric Elastomers Based on Complexation of Ca ²⁺ Ions with Carboxyl Groups Displaying Excellent Performance. 2018 ,	

939	Atom Transfer Radical Polymerization Functionalization on Polypropylene Films for Immobilizing Active Compounds. 2018 , 71, 534		1
938	Viscoelastic properties and ion dynamics in star-shaped polymerized ionic liquids. 2018 , 109, 326-335		13
937	Selenium-Containing Polymers: Perspectives toward Diverse Applications in Both Adaptive and Biomedical Materials. <i>Macromolecules</i> , 2018 , 51, 7435-7455	5.5	85
936	Synthesis of Polymer Bioconjugates via Photoinduced Atom Transfer Radical Polymerization under Blue Light Irradiation. 2018 , 7, 1248-1253		34
935	Electrochemical Procedures To Determine Thermodynamic and Kinetic Parameters of Atom Transfer Radical Polymerization. 2018 , 161-189		1
934	ATRP Catalyst Removal and Ligand Recycling Using CO ₂ -Switchable Materials. <i>Macromolecules</i> , 2018 , 51, 8156-8164	5.5	15
933	Evolution and Future Directions of Metal-Free Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2018 , 51, 7421-7434	5.5	133
932	A Process for Well-Defined Polymer Synthesis through Textile Dyeing Inspired Catalyst Immobilization. 2018 , 6, 15245-15253		29
931	Growth of Nano-/Microcolloidal Architectures from Janus Seeds by ATRP. 2018 , 30, 7664-7671		7
930	The interaction of carbon-centered radicals with copper(I) and copper(II) complexes*. 2018 , 71, 1641-1668		10
929	Biocatalytic Oxygen-Fueled Atom Transfer Radical Polymerization. 2018 , 130, 16389-16393		9
928	Title, Copyright, Foreword. 2018 , i-v		
927	Reducing the Hydrogen Atom Abstraction Efficiencies of Benzophenone-Based Photosensitive Alkoxyamines. 2018 , 105-133		
926	Insights into the Reactivity of Epoxides as Reducing Agents in Low-Catalyst-Concentration ATRP Reactions. 2018 , 191-203		0
925	Hydroxyl Radical Activated RAFT Polymerization. 2018 , 307-321		7
924	Catalytic Chain Transfer Polymerization and Reversible Deactivation Radical Polymerization of Vinyl Acetate Mediated by Cobalt(II) Phenoxy-imine Complexes. 2018 , 335-348		3
923	Tailor-Made Poly(vinylamine)s via Thermal or Photochemical Organometallic Mediated Radical Polymerization. 2018 , 349-363		3
922	Alkyl Bromide as Precursor of Initiating Dormant Species in Organocatalyzed Living Radical Polymerization. 2018 , 365-378		

921	Enzyme-Deoxygenated Low Parts per Million Atom Transfer Radical Polymerization in Miniemulsion and Emulsion. 2018 , 7, 1317-1321	30
920	Molecular self-assembly of copolymer from renewable phenols: new class of antimicrobial ointment base. 2018 , 29, 2187-2200	3
919	Biocatalytic "Oxygen-Fueled" Atom Transfer Radical Polymerization. 2018 , 57, 16157-16161	58
918	Radical polymerization of radical-labeled monomers: The triarylmethyl-based radical monomer as an example. 2018 , 56, 2656-2664	7
917	Editors Biographies. 2018 , 395-396	
916	Direct introduction of nitrogen and oxygen functionality with spatial control using copper catalysis. 2018 , 9, 8748-8752	7
915	Effect of N-isopropylacrylamide thermoresponsive blocks on the rheological properties of water-soluble thermoassociative copolymers synthesized via RAFT polymerization. 2018 , 296, 1699-1710	3
914	Yb(NTf ₂) ₃ /HFIP induced high isotacticity in atom transfer radical polymerization of methyl methacrylate. 2018 , 9, 4711-4715	9
913	Subject Index. 2018 , 401-407	
912	Nanocarbons from Synthetic Polymer Precursors and Their Catalytic Properties. 2018 , 133-166	
911	Controlled polymerizations using metal-organic frameworks. 2018 , 54, 11843-11856	60
910	Polymer Synthesis with More Than One Form of Living Polymerization Method. 2018 , 39, e1800479	34
909	Synthesis of Nitroxide End-Labeled Polymers by Capturing Polystyrene Radicals with Spin Traps. 2018 , 219, 1800171	
908	Light-Induced Reworkable Adhesives Based on ABA-type Triblock Copolymers with Azopolymer Termini. 2018 , 10, 32649-32658	48
907	Polyphilicity-An Extension of the Concept of Amphiphilicity in Polymers. 2018 , 10,	11
906	Repurposing Biocatalysts to Control Radical Polymerizations. 2018 , 7, 1111-1119	35
905	Synthesis of poly(ethyl methacrylate-co-methyl methacrylate) obtained via ATRP using ruthenium benzylidene complexes. 2018 , 28, 220-225	
904	Macrocyclic Side-Chain Monomers for Photoinduced ATRP: Synthesis and Properties versus Long-Chain Linear Isomers. <i>Macromolecules</i> , 2018 , 51, 6901-6910	5.5 13

903	Synthesis of well-defined cross-linkable zwitterionic macromolecular building blocks for hydrogels. 2018 , 131, 251-257		5
902	Pathway driven self-assembly and living supramolecular polymerization in an amyloid-inspired peptide amphiphile. 2018 , 54, 10730-10733		24
901	Electrochemically mediated ATRP (eATRP) amplification for ultrasensitive detection of glucose. 2018 , 823, 20-25		20
900	Near-Infrared Sensitized Photoinduced Atom-Transfer Radical Polymerization (ATRP) with a Copper(II) Catalyst Concentration in the ppm Range. 2018 , 57, 7898-7902		100
899	Multilevel Manipulation of Supramolecular Structures of Giant Molecules via Macromolecular Composition and Sequence. 2018 , 7, 635-640		26
898	Dispersity control in atom transfer radical polymerizations through addition of phenylhydrazine. 2018 , 9, 4332-4342		39
897	Photoinduced Controlled Radical Polymerizations Performed in Flow: Methods, Products, and Opportunities. 2018 , 30, 3931-3942		51
896	Nahinfrarot-sensibilisierte photoinduzierte ATRP mit einer Kupfer(II)-Katalysatorkonzentration im ppm-Bereich. 2018 , 130, 8025-8030		27
895	Temporal Control in Atom Transfer Radical Polymerization Using Zerovalent Metals. <i>Macromolecules</i> , 2018 , 51, 4250-4258	5.5	21
894	USAXS analysis of concentration-dependent self-assembling of polymer-brush-modified nanoparticles in ionic liquid: [I] concentrated-brush regime. 2018 , 148, 124902		9
893	Dispersion polymerization in environmentally benign solvents via reversible deactivation radical polymerization. 2018 , 83, 1-27		86
892	Intermolecular Interactions between Bottlebrush Polymers Boost the Protection of Surfaces against Frictional Wear. 2018 , 30, 4140-4149		34
891	Thiolactone-Functional Reversible Deactivation Radical Polymerization Agents for Advanced Macromolecular Engineering. <i>Macromolecules</i> , 2018 , 51, 4315-4324	5.5	20
890	Tunable, Quantitative Fenton-RAFT Polymerization via Metered Reagent Addition. 2018 , 39, e1800179		15
889	In situ polymerization on biomacromolecules for nanomedicines. 2018 , 11, 5028-5048		17
888	Intramolecular Charge Transfer and Local Excitation in Organic Fluorescent Photoredox Catalysts Explained by RASCI-PDFT. 2018 , 122, 12061-12070		14
887	Polyacrylates. 2018 , 1-20		4
886	An Acid Test: Facile SI-ARGET-ATRP of Methacrylic Acid. 2018 , 219, 1800182		1

885	Temperature and pH-Dual Responsive AIE-Active Core Crosslinked PolyethyleneBoly(methacrylic acid) Multimiktoarm Star Copolymers. 2018 , 7, 886-891		25
884	Oxygen-Initiated and Regulated Controlled Radical Polymerization under Ambient Conditions. 2018 , 130, 9574-9577		13
883	Constructing advanced dielectric elastomer based on copolymer of acrylate and polyurethane with large actuation strain at low electric field. 2018 , 149, 39-44		20
882	Next generation protein-polymer conjugates. 2018 , 64, 3230-3245		40
881	A realEmulsion polymerization using simple ATRP reaction in the presence of an oligo-initiator with a dual activity of emulsifier and initiator. 2018 , 555, 1-7		3
880	Synthesis and characterization of amphiphilic graft copolymers with poly(ethylene glycol) as the hydrophilic backbone and poly(butyl methacrylate) as the hydrophobic graft chain. 2018 , 296, 1545-1554		2
879	Silicon Surface Tethered Polymer as Artificial Solid Electrolyte Interface. 2018 , 8, 11549		18
878	Pseudo-Homopolymerization Approach To Predict the Molecular Weight Distribution in the Copolymerization via Activator Regenerated by Electron Transfer Atom Transfer Radical Polymerization. 2018 , 57, 12040-12054		2
877	Benefits of Catalyzed Radical Termination: High-Yield Synthesis of Polyacrylate Molecular Bottlebrushes without Gelation. <i>Macromolecules</i> , 2018 , 51, 6218-6225	5.5	17
876	Polymerization Induced Self-Assembly of a Site-Specific Interferon BBlock Copolymer Conjugate into Micelles with Remarkably Enhanced Pharmacology. 2018 , 140, 10435-10438		47
875	Poly(vinyl chloride): current status and future perspectives via reversible deactivation radical polymerization methods. 2018 , 87, 34-69		29
874	Alcohol- and Water-Tolerant Living Anionic Polymerization of Aziridines. <i>Macromolecules</i> , 2018 , 51, 5713-5719	5.5	18
873	Atom Transfer Radical Polymerization (ATRP) Catalyzed by Visible Light-Absorbed Small Molecule Organic Semiconductors. 2018 , 39, e1800466		13
872	Surface-initiated ATRP from polydopamine-modified TiO2 nanoparticles. 2018 , 106, 291-296		17
871	Grafting PolymersfromCellulose Nanocrystals: Synthesis, Properties, and Applications. <i>Macromolecules</i> , 2018 , 51, 6157-6189	5.5	130
870	Cu(0)-RDRP of styrene: balancing initiator efficiency and dispersity. 2018 , 9, 4395-4403		15
869	Synthesis of Poly(N-isopropylacrylamide)-Block-Poly(tert-Butyl Methacrylate) Block Copolymer by Visible LightInduced Metal-Free Atom Transfer Polymerization. 2018 , 219, 1800192		5
868	A novel strategy for fabrication of fluorescent hydroxyapatite based polymer composites through the combination of surface ligand exchange and self-catalyzed ATRP. 2018 , 92, 518-525		7

867	Strategies to combine ROP with ATRP or RAFT polymerization for the synthesis of biodegradable polymeric nanoparticles for biomedical applications. 2018 , 9, 4084-4099	43
866	Stepwise Thermo-Responsive Amino Acid-Derived Triblock Vinyl Polymers: ATRP Synthesis of Polymers, Aggregation, and Gelation Properties via Flower-Like Micelle Formation. 2018 , 11,	9
865	Progress in Photo-Responsive Polypeptide Derived Nano-Assemblies. 2018 , 9,	28
864	A Facial Strategy for Catalyst and Reducing Agent Synchronous Separation for AGET ATRP Using Thiol-Grafted Cellulose Paper as Reducing Agent. 2017 , 10,	6
863	Metal Free Reversible-Deactivation Radical Polymerizations: Advances, Challenges, and Opportunities. 2017 , 10,	34
862	Photoinduced Cu(II)-Mediated RDRP to P(VDF-co-CTFE)-g-PAN. 2018 , 10,	8
861	Accurately Determining the Extent of Coupling in Post Polymerization Reactions of Polystyrene. 2018 , 10,	2
860	Exploring Poly(ethylene glycol)-Polyzwitterion Diblock Copolymers as Biocompatible Smart Macro surfactants Featuring UCST-Phase Behavior in Normal Saline Solution. 2018 , 10,	25
859	Poly(Ionic Liquid): A New Phase in a Thermoregulated Phase Separated Catalysis and Catalyst Recycling System of Transition Metal-Mediated ATRP. 2018 , 10,	6
858	Design, Synthesis and Architectures of Hybrid Nanomaterials for Therapy and Diagnosis Applications. 2018 , 10,	44
857	Free-Radical Graft Polymerization onto Starch as a Tool to Tune Properties in Relation to Potential Applications. A Review. 2018 , 6, 31	15
856	Reconstitution properties of biologically active polymersomes after cryogenic freezing and a freeze-drying process.. 2018 , 8, 25436-25443	7
855	Topologically Reversible Transformation of Tricyclic Polymer into Polyring Using Disulfide/Thiol Redox Chemistry. <i>Macromolecules</i> , 2018 , 51, 5313-5322	5.5 10
854	Effect of alkyl chain lengths on the assemblies of magnetic nanoparticles coated with multi-functional thiolactone-containing copolymer. 2018 , 20, 1	5
853	A fluorescein-centered polymer as a phosphor for fabricating pure white light-emitting diodes. 2018 , 5, 932-938	18
852	Copolymer-Templated Synthesis of Nitrogen-Doped Mesoporous Carbons for Enhanced Adsorption of Hexavalent Chromium and Uranium. 2018 , 1, 2536-2543	26
851	Transformable Materials: Structurally Tailored and Engineered Macromolecular (STEM) Gels by Controlled Radical Polymerization. <i>Macromolecules</i> , 2018 , 51, 3808-3817	5.5 39
850	Effect of Halogen Chain End Fidelity on the Synthesis of Poly(methyl methacrylate-b-styrene) by ATRP. 2018 , 36, 1217-1224	3

- 849 Nanoparticle-supported polymer brushes for temperature-regulated glycoprotein separation: investigation of structure-function relationship. **2018**, 6, 3770-3781 19
- 848 Preparation of well-defined brush-like block copolymers for gene delivery applications under biorelevant reaction conditions. **2018**, 169, 107-117 7
- 847 Grafting-from lipase: utilization of a common amino acid residue as a new grafting site. **2018**, 9, 4651-4659 13
- 846 Reversible Deactivation Radical Polymerization: State-of-the-Art in 2017. **2018**, 1-39 5
- 845 Mechanistic Insights into Lewis Acid Mediated Sequence- and Stereo-Control in Radical Copolymerization. **2018**, 41-61
- 844 How Can Xanthates Control the RAFT Polymerization of Methacrylates?. **2018**, 291-305 6
- 843 Elements of RAFT Navigation. **2018**, 77-103 18
- 842 Macromolecular Templates for Synthesis of Inorganic Nanoparticles. **2018**, 169-200 3
- 841 A rapidly recoverable shape memory polymer with a topologically well-controlled poly(ethyl methacrylate) structure. **2018**, 14, 7302-7309 11
- 840 Synthesis of poly(methyl methacrylate) via ARGET ATRP and study of the effect of solvents and temperatures on its polymerization kinetics. **2018**, 50, 757-763 3
- 839 Molecular Affinity Agents for Intrinsic Surface-Enhanced Raman Scattering (SERS) Sensors. **2018**, 10, 31825-31844 59
- 838 Polymers and hydrogels for local nucleic acid delivery. **2018**, 6, 5651-5670 22
- 837 The Role of Cu₀ in Surface-Initiated Atom Transfer Radical Polymerization: Tuning Catalyst Dissolution for Tailoring Polymer Interfaces. *Macromolecules*, **2018**, 51, 6825-6835 5-5 33
- 836 Photoinduced Metal Free Strategies for Atom Transfer Radical Polymerization. **2018**, 263-271 3
- 835 Copper Ligand and Anion Effects: Controlling the Kinetics of the Photoinitiated Copper(I) Catalyzed Azide-Alkyne Cycloaddition Polymerization. **2018**, 9, 4772-4780 6
- 834 Living radical polymerization of hydrophobic monomers catalyzed by cyclometalated ruthenium(II) complexes: Improved control and formation of block co-polymers. **2018**, 108, 171-181 3
- 833 Time-Resolved Electron Spin Resonance Observations of the Initial Stages of Conventional and Controlled Radical Polymerization Processes. **2018**, 63-75
- 832 Reversible Deactivation Radical Polymerization of Vinyl Chloride. **2018**, 227-261 4

831	Recent Developments in External Regulation of Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization. 2018 , 273-290		5
830	Biocatalytic ATRP. 2018 , 379-393		1
829	Accessibility of Densely Localized DNA on Soft Polymer Nanoparticles. 2018 , 34, 14731-14737		4
828	Catalyzed Radical Termination (CRT) in the Metal-Mediated Polymerization of Acrylates: Experimental and Computational Studies. 2018 , 135-159		2
827	Toward Butadiene-ATRP with Group 10 (Ni, Pd, Pt) Metal Complexes. 2018 , 205-225		5
826	Surface PEGylation and biological imaging of fluorescent Tb-doped layered double hydroxides through the photoinduced RAFT polymerization. 2018 , 532, 641-649		9
825	Functional Diversification of Polymethacrylates by Dynamic β Ketoester Modification. <i>Macromolecules</i> , 2018 , 51, 6380-6386	5.5	19
824	Preface. 2018 , ix-x		
823	Polyhomologation and ATRP: A Perfect Partnership toward Unique Polyethylene-Based Architectures. 2018 , 1-24		
822	Intrinsically Tuning the Electromechanical Properties of Elastomeric Dielectrics: A Chemistry Perspective. 2018 , 39, e1800340		25
821	Fluorescent star ATRP initiators and fluorescent star poly(methyl methacrylate)s: Synthesis and photophysical properties. 2018 , 153, 139-149		8
820	Monte Carlo Simulations of Atom Transfer Radical (Homo)polymerization of Divinyl Monomers: Applicability of FloryStockmayer Theory. <i>Macromolecules</i> , 2018 , 51, 6673-6681	5.5	19
819	Vinyl Ether/Vinyl Ester Copolymerization by Cationic and Radical Interconvertible Simultaneous Polymerization. 2018 , 323-334		12
818	Well-Defined and Precision-Grafted Bottlebrush Polypentenamers from Variable Temperature ROMP and ATRP. 2018 , 7, 1080-1086		19
817	Is it possible to control kinetic rates of radical polymerisation in ionic liquids?. 2018 , 54, 11226-11243		8
816	Preparation of quadruple responsive polymeric micelles combining temperature-, pH-, redox-, and UV-responsive behaviors and its application in controlled release system. 2018 , 135, 46675		10
815	Single-Chain Glycopolymer Folding via Host-Guest Interactions and Its Unprecedented Effect on DC-SIGN Binding. 2018 , 19, 3040-3047		40
814	Externally controlled atom transfer radical polymerization. 2018 , 47, 5457-5490		191

- 813 monitoring of SI-ATRP throughout multiple reinitiations under flow by means of a quartz crystal microbalance. **2018**, 8, 20048-20055 8
- 812 Copolymers with Controlled Molecular Weight Distributions and Compositional Gradients through Flow Polymerization. *Macromolecules*, **2018**, 51, 4553-4563 5.5 82
- 811 Organocatalytic Approach to Functional Semifluorinated Polymers Driven by Visible Light. **2018**, 39, e1800151 10
- 810 Organic Arsenicals as Functional Motifs in Polymer and Biomaterials Science. **2018**, 39, e1800205 8
- 809 Photoinduced Miniemulsion Atom Transfer Radical Polymerization. **2018**, 7, 720-725 27
- 808 Advances in Biomaterials for Drug Delivery. **2018**, 30, e1705328 352
- 807 Syntheses of 2-(trifluoromethyl)acrylate-containing block copolymers via RAFT polymerization using a universal chain transfer agent. **2018**, 9, 3511-3521 9
- 806 Oxygen-Initiated and Regulated Controlled Radical Polymerization under Ambient Conditions. **2018**, 57, 9430-9433 47
- 805 Nanotechnology applications in drug controlled release. **2018**, 81-116 25
- 804 Photochemistry for Well-Defined Polymers in Aqueous Media: From Fundamentals to Polymer Nanoparticles to Bioconjugates. **2018**, 39, e1800093 35
- 803 Radical-Type Reactivity and Catalysis by Single-Electron Transfer to or from Redox-Active Ligands. **2019**, 25, 2651-2662 101
- 802 New Insights into RAFT Dispersion Polymerization-Induced Self-Assembly: From Monomer Library, Morphological Control, and Stability to Driving Forces. **2019**, 40, e1800325 104
- 801 Engineering the Surface Properties of a Zwitterionic Polymer Brush to Enable the Simple Fabrication of Inkjet-Printed Point-of-Care Immunoassays. **2019**, 35, 1379-1390 5
- 800 Multivalent Presentation of Ice Recrystallization Inhibiting Polymers on Nanoparticles Retains Activity. **2019**, 35, 7347-7353 20
- 799 A Critical Assessment of the Kinetics and Mechanism of Initiation of Radical Polymerization with Commercially Available Dialkyldiazene Initiators. **2019**, 88, 130-188 44
- 798 Temporally Controlled Ultrasonication-Mediated Atom Transfer Radical Polymerization in Miniemulsion. **2019**, 220, 1900285 21
- 797 Controlled Synthesis of Acrylonitrile-Based Polymers as Precursors for Carbon Fiber Production. **2019**, 50, 514-523 4
- 796 Depolymerization of Bottlebrush Polypentenamers and Their Macromolecular Metamorphosis. **2019**, 141, 14220-14229 29

795	Diamond surface functionalization: from gemstone to photoelectrochemical applications. 2019 , 7, 10134-10165	50
794	Engineering self-assembly of giant molecules in the condensed state based on molecular nanoparticles. 2019 , 15, 7108-7116	9
793	Iron-Catalyzed Atom Transfer Radical Polymerization of Semifluorinated Methacrylates. 2019 , 8, 1110-1114	23
792	Light-driven atom transfer radical polymerization on supramolecular complexes of conjugated polymers and single-walled carbon nanotubes. 2019 , 57, 2015-2020	3
791	Mechanical and Morphological Properties of Waterborne ABA Hard-Soft-Hard Block Copolymers Synthesized by Means of RAFT Miniemulsion Polymerization. 2019 , 11,	3
790	Tailoring CO ₂ -Responsive Polymers and Nanohybrids for Green Chemistry and Processes. 2019 , 58, 15088-15108	8
789	Liquid salts as eco-friendly solvents for atom transfer radical polymerization: a review. 2019 , 10, 4904-4913	11
788	Microstructure analysis of copolymers of substituted itaconimide and methyl methacrylate: experimental and computational investigation. 2019 , 26, 1	3
787	Cyclic amines homobimetallic ruthenium pre-catalysts bearing bidentate phosphine and their dual catalytic activity for the ring-opening metathesis and atom-radical polymerizations. 2019 , 1198, 126874	3
786	Block copolymer-based porous carbons for supercapacitors. 2019 , 7, 23476-23488	46
785	Dual Signal Amplification by eATRP and DNA-Templated Silver Nanoparticles for Ultrasensitive Electrochemical Detection of Nucleic Acids. 2019 , 11, 27568-27573	29
784	Tandem Interplay of the Host-Guest Interaction and Photoresponsive Supramolecular Polymerization to 1D and 2D Functional Peptide Materials. 2019 , 11, 28213-28220	10
783	Role of N-substituents of maleimides on penultimate unit effect for sequence control during radical copolymerization. 2019 , 51, 1137-1146	4
782	Chemical enhanced oil recovery and the role of chemical product design. 2019 , 252, 113480	72
781	FeBr ₂ -Catalyzed Bulk ATRP Promoted by Simple Inorganic Salts. <i>Macromolecules</i> , 2019 , 52, 5366-5376	5.5 10
780	High retreatability and dimensional stability of polymer grafted waterlogged archaeological wood achieved by ARGET ATRP. 2019 , 9, 9879	10
779	Aromatic Xanthates and Dithiocarbamates for the Polymerization of Ethylene through Reversible Addition-Fragmentation Chain Transfer (RAFT). 2019 , 58, 14295-14302	20
778	Graft modification of methyl acrylate onto chicken feather via surface initiated Cu(0)-mediated reversible-deactivation radical polymerization. 2019 , 136, 48246	2

- 777 Surface-Induced ARGET ATRP for Silicon Nanoparticles with Fluorescent Polymer Brushes. **2019**, 11, 10
- 776 Synthesis and characterization of well-defined end-chain functional macrophotoinitiators of polystyrene and polyacrylonitrile by RAFT/MADIX polymerization. **2019**, 119, 102-113 11
- 775 Aromatic Xanthates and Dithiocarbamates for the Polymerization of Ethylene through Reversible Addition-Fragmentation Chain Transfer (RAFT). **2019**, 131, 14433-14440 12
- 774 Maleimide and acrylate based functionalized polymers. **2019**, 167-189 1
- 773 Thermoresponsive Brushes Facilitate Effective Reinforcement of Calcium Phosphate Cements. **2019**, 11, 26690-26703 6
- 772 Radical Alliances: Solutions and Opportunities for Organic Synthesis. **2019**, 102, e1900134 22
- 771 Synthesis of Poly(-vinylpyrrolidone)-Based Polymer Bottlebrushes by ATRPA and RAFT Polymerization: Toward Drug Delivery Application. **2019**, 11, 10
- 770 Pickering emulsion of metal-free photoinduced electron transfer-ATRP stabilized by cellulose nanocrystals. **2019**, 26, 5947-5957 17
- 769 Screening of metal complex catalysts using bidentate Schiff base ligands for controlled cationic polymerization of vinyl ethers using in situ complexation method. **2019**, 10, 4209-4219 1
- 768 Synthesis of PAN with adjustable molecular weight and low polydispersity index (PDI) value via reverse atom transfer radical polymerization. **2019**, 22, 180-186 4
- 767 Reusable Surface-Modified Bacterial Cellulose Based on Atom Transfer Radical Polymerization Technology with Excellent Catalytic Properties. **2019**, 9, 2
- 766 Effect of copolymers synthesized by nitroxide-mediated polymerization as chain extenders of postconsumer poly(ethylene terephthalate) waste. **2019**, 59, 2255-2264 5
- 765 Combining Soft Polysilazanes with Melt-Shear Organization of Core-Shell Particles: On the Road to Polymer-Templated Porous Ceramics. **2019**, 24, 6
- 764 Four-armed branching and thermally integrated imidazolium-based polymerized ionic liquid as an all-solid-state polymer electrolyte for lithium metal battery. **2019**, 324, 134827 19
- 763 Folic acid and rhodamine labelled pH responsive hyperbranched polymers: Synthesis, characterization and cell uptake studies. **2019**, 120, 109259 8
- 762 Progress in the development of polymeric and multifunctional photoinitiators. **2019**, 99, 101165 45
- 761 Molecular Technology for Synthesis of Versatile Copolymers via Multiple Polymerization Mechanisms. **2019**, 231-258
- 760 Atom transfer coupling reactions performed with benign reducing agents and radical traps. **2019**, 57, 2113-2120 8

759	Rational Design of Highly Activating Ligands for Cu-Based Atom Transfer Radical Polymerization. 2019 , 84, 15624-15632		8
758	Synthesis of PMMA-based block copolymers by consecutive irreversible and reversible addition-fragmentation chain transfer polymerizations. 2019 , 10, 6630-6640		10
757	Surface Modification of Water Purification Membranes. 2019 , 363-398		3
756	Improving the Performance of PVDF/PVDF-PEGMA Ultrafiltration Membranes by Partial Solvent Substitution with Green Solvent Dimethyl Sulfoxide during Fabrication. 2019 , 4, 19799-19807		10
755	Pushing the Limit: Synthesis of SiO ₂ -g-PMMA/PS Particle Brushes via ATRP with Very Low Concentration of Functionalized SiO ₂ -Br Nanoparticles. <i>Macromolecules</i> , 2019 , 52, 8713-8723	5.5	11
754	Ultrasound-Mediated Atom Transfer Radical Polymerization (ATRP). 2019 , 12,		30
753	Recent Trends in Catalytic Polymerizations. 2019 , 9, 11153-11188		108
752	Functional Macromolecule-Enabled Colloidal Synthesis: From Nanoparticle Engineering to Multifunctionality. 2019 , 31, e1902733		21
751	Oxygen-Tolerant Photochemically Induced Atom Transfer Radical Polymerization of the Renewable Monomer Tulipalin A. 2019 , 3, 1138-1145		9
750	Impact of Catalyzed Radical Termination (CRT) and Reductive Radical Termination (RRT) in Metal-Mediated Radical Polymerization Processes. 2019 , 2019, 4489-4499		12
749	Modification of wood-based materials by atom transfer radical polymerization methods. 2019 , 120, 109253		25
748	Application of quantum chemical methods in polymer chemistry. 2019 , 38, 343-403		10
747	Influence of Chain Architecture on Nanopore Accessibility in Polyelectrolyte Block-Co-Oligomer Functionalized Mesopores. 2019 , 15, e1902710		12
746	Versatility of Organocatalyzed Atom Transfer Radical Polymerization and CO ₂ -Switching for Preparing Both Hydrophobic and Hydrophilic Polymers with the Recycling of a Photocatalyst. <i>Macromolecules</i> , 2019 , 52, 6725-6733	5.5	13
745	Improved adhesion of metal/polymer sandwich composites using a spontaneous polymer grafting process. 2019 , 1, 025004		12
744	pMAIRS Analysis on Chain-End Functionalization of Densely Grafted, Concentrated Polymer Brushes. <i>Macromolecules</i> , 2019 , 52, 6673-6682	5.5	2
743	Numerical Simulation of Atom-Transfer Radical Polymerization of tert-butyl Methacrylate. 2019 , 22,		2
742	Polymerization of Alkyl Diazoacetates Initiated by Pd(Naphthoquinone)/Borate Systems: Dual Role of Naphthoquinones as Oxidant and Anionic Ligand for Generating Active Pd(II) Species. <i>Macromolecules</i> , 2019 , 52, 6976-6987	5.5	9

741	An overview of nanogel-based vaccines. 2019 , 18, 951-968	9
740	Comparison of Thermoresponsive Hydrogels Synthesized by Conventional Free Radical and RAFT Polymerization. 2019 , 12,	6
739	Deep eutectic solvents for Cu-catalysed ARGET ATRP under an air atmosphere: a sustainable and efficient route to poly(methyl methacrylate) using a recyclable Cu(II) metal-organic framework. 2019 , 21, 5865-5875	26
738	A Novel Strategy for the Synthesis of Amphiphilic and Thermoresponsive Poly(N-isopropylacrylamide)-Polystyrene Block Copolymers via ATRP. 2019 , 11,	6
737	Investigation on the atom transfer nitroxide radical polymerization (ATNRP) mechanism and its versatile applications for bimodal polymers. 2019 , 183, 121852	3
736	Surface-Initiated Atom Transfer Radical Polymerization for the Preparation of Well-Defined Organic-Inorganic Hybrid Nanomaterials. 2019 , 12,	15
735	Fluorogenic atom transfer radical polymerization in aqueous media as a strategy for detection. 2019 , 10, 1017-1022	10
734	Polymer conjugation of proteins as a synthetic post-translational modification to impact their stability and activity. 2019 , 10, 434-454	37
733	Redox-switchable atom transfer radical polymerization. 2019 , 55, 612-615	17
732	Photocatalyzed thiol-alkene coupling: Mechanistic study and polymer synthesis. 2019 , 57, 1931-1937	3
731	Enzymatically Degassed Surface-Initiated Atom Transfer Radical Polymerization with Real-Time Monitoring. 2019 , 141, 3100-3109	48
730	Quaternized Amphiphilic Block Copolymers/Graphene Oxide and a Poly(vinyl alcohol) Coating Layer on Graphene Oxide/Poly(vinylidene fluoride) Electrospun Nanofibers for Superhydrophilic and Antibacterial Properties. 2019 , 9, 383	19
729	Effect of polyhedral oligomeric silsesquioxane nanocage on the crystallization behavior of PEG5k-b-P(MA-POSS) diblock copolymers achieved via atom transfer radical polymerization. 2019 , 2, e10058	4
728	Atom Transfer Radical Polymerization Enabled by Sonochemically Labile Cu-carbonate Species. 2019 , 8, 161-165	38
727	Synthesis of block copolymer nano-assemblies via ICAR ATRP and RAFT dispersion polymerization: how ATRP and RAFT lead to differences. 2019 , 10, 1150-1157	21
726	Comprehensive Structural Assessment of Linear Block Polymers by NMR and SEC. <i>Macromolecules</i> , 2019 , 52, 1025-1032	5-5 3
725	Exploitation of Compartmentalization in RAFT Miniemulsion Polymerization to Increase the Degree of Livingness. 2019 , 57, 1938-1946	23
724	Enhanced asphalt performance upon addition of RAFT-synthesized reactive multi-block copolymers. 2019 , 227, 269-278	3

723	ATRP of N-Hydroxyethyl Acrylamide in the Presence of Lewis Acids: Control of Tacticity, Molecular Weight, and Architecture. 2019 , 40, e1800877		12
722	Chlorophyll derivatives as catalysts and comonomers for atom transfer radical polymerizations. 2019 , 10, 125-135		8
721	Ultra-low volume oxygen tolerant photoinduced Cu-RDRP. 2019 , 10, 963-971		44
720	Impact of Organometallic Intermediates on Copper-Catalyzed Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2019 , 52, 4079-4090	5-5	27
719	Functional materials generated by allying cyclodextrin-based supramolecular chemistry with living polymerization. 2019 , 10, 3674-3711		26
718	Synthesis of Poly(N-vinylamide)s and Poly(vinylamine)s and Their Block Copolymers by Organotellurium-Mediated Radical Polymerization. 2019 , 131, 7187-7190		
717	Antibacterial response of polylactide surfaces modified with hydrophilic polymer brushes. 2019 , 28, 493-504		7
716	Preparation of multi-allylic dendronized polymers via atom-transfer radical polymerization. 2019 , 118, 358-364		1
715	Iron-catalysed atom transfer radical polyaddition for the synthesis and modification of novel aliphatic polyesters displaying lower critical solution temperature and pH-dependent release behaviors. 2019 , 10, 3912-3921		10
714	Super acid-catalyzed polymerization of phenothiazine and modified isatin. 2019 , 9, 91-100		4
713	Transformation of Thioester-Initiated Star Polymers into Linear Arms via Native Chemical Ligation. 2019 , 40, e1900247		7
712	Control of Dispersity and Grafting Density of Particle Brushes by Variation of ATRP Catalyst Concentration. 2019 , 8, 859-864		49
711	Polystyrene with Persistently Enhanced Fluorescence: Photo-Induced Atom Transfer Radical Polymerization Using a Pyrene-Based Initiator. 2019 , 3, 1153-1161		3
710	Lignin-based hydrogels: A review of preparation, properties, and application. 2019 , 135, 1006-1019		99
709	Tannic Acid-Inspired Star-Like Macromolecules via Temporally Controlled Multi-Step Potential Electrolysis. 2019 , 220, 1900073		19
708	Microfluidically mediated atom-transfer radical polymerization. 2019 , 55, 7554-7557		6
707	Copolymers with Pendant N-arylimide Groups via Atom Transfer Radical Polymerization: Synthesis, Characterization and Kinetic Study. 2019 , 61, 170-179		2
706	Synthesis of High k Nanoparticles by Controlled Radical Polymerization. 2019 , 181-226		0

705	Valerolactone (GVL) as a bio-based green solvent and ligand for iron-mediated AGET ATRP. 2019 , 19, 323-329	6
704	The application of spatially restricted geometries as a unique route to produce well-defined poly(vinyl pyrrolidones) via free radical polymerisation. 2019 , 55, 6441-6444	7
703	Using Transition-Metal Complexes as Catalysts for Radical Addition Reactions: A Laboratory Experiment Demonstrating the Important Role of Catalysts in an Organic Transformation Reaction. 2019 , 96, 1236-1244	6
702	Visible light-mediated metal-free atom transfer radical polymerization with N-trifluoromethylphenyl phenoxazines. 2019 , 117, 347-352	14
701	cAMP-modulated biomimetic ionic nanochannels based on a smart polymer. 2019 , 7, 3710-3715	10
700	Blending the Effectiveness of Anionic Polymerization with the Versatility of RAFT by Use of the Atom Transfer Radical Addition Fragmentation Technique. 2019 , 220, 1900065	1
699	Electrochemically mediated ATRP process intensified by ionic liquid: A flash polymerization of methyl acrylate. 2019 , 372, 163-170	18
698	Polymer brush relaxation during and after polymerization Monte Carlo simulation study. 2019 , 173, 190-196	13
697	Controlling dispersion, stability and polymer content on PDEGMA-functionalized core-brush silica colloids. 2019 , 574, 12-20	9
696	Degradable Polymer Stars Based on Tannic Acid Cores by ATRP. 2019 , 11,	12
695	Antiwetting and Antifouling Janus Membrane for Desalination of Saline Oily Wastewater by Membrane Distillation. 2019 , 11, 18456-18465	71
694	Renewable Terpene Derivative as a Biosourced Elastomeric Building Block in the Design of Functional Acrylic Copolymers. 2019 , 20, 2241-2251	25
693	Electrochemical approaches for better understanding of atom transfer radical polymerization. 2019 , 15, 50-57	7
692	Fabrication of Porous Nanonetwork-Structured Carbons from Well-Defined Cylindrical Molecular Bottlebrushes. 2019 , 11, 18763-18769	7
691	Well-Defined N/S Co-Doped Nanocarbons from Sulfurized PAN-b-PBA Block Copolymers: Structure and Supercapacitor Performance. 2019 , 2, 2467-2474	18
690	Bromoalkyl ATRP initiator activation by inorganic salts: experiments and computations. 2019 , 10, 2376-2386	16
689	Controlled Polymerization of Methyl Methacrylate and Styrene via Cu(0)-Mediated RDRP by Selecting the Optimal Reaction Conditions. 2019 , 37, 591-597	2
688	Versatile Multi-Functional Block Copolymers Made by Atom Transfer Radical Polymerization and Post-Synthetic Modification: Switching from Volatile Organic Compound Sensors to Polymeric Surfactants for Water Rheology Control via Hydrolysis. 2019 , 9,	7

687	Facile Synthesis of Helical Rod-Coil Block Polymers by the Combination of ATRP and Pd(II)-Initiated Isocyanides Polymerizations. 2019 , 220, 1800574		3
686	Amine-Containing Block Copolymers for the Bottom-Up Preparation of Functional Porous Membranes. <i>Macromolecules</i> , 2019 , 52, 2631-2641	5-5	15
685	Rational Design of Efficient Amine Reductant Initiators for Amine-Peroxide Redox Polymerization. 2019 , 141, 6279-6291		13
684	Synthesis of Poly(N-vinylamide)s and Poly(vinylamine)s and Their Block Copolymers by Organotellurium-Mediated Radical Polymerization. 2019 , 58, 7113-7116		6
683	Binary polymer brush patterns from facile initiator stickiness for cell culturing. 2019 , 219, 189-202		4
682	Towards scale-up of electrochemically-mediated atom transfer radical polymerization: Use of a stainless-steel reactor as both cathode and reaction vessel. 2019 , 304, 505-512		22
681	Advances in atom-transfer radical polymerization for drug delivery applications. 2019 , 115, 45-58		27
680	Structure-pDNA complexation and structure-cytotoxicity relationships of PEGylated, cationic aminoethyl-based polyacrylates with tunable topologies. 2019 , 10, 1968-1977		5
679	Recent Advances in Amphiphilic Polymer-Oligonucleotide Nanomaterials via Living/Controlled Polymerization Technologies. 2019 , 30, 1889-1904		30
678	Mechanistically Guided Predictive Models for Ligand and Initiator Effects in Copper-Catalyzed Atom Transfer Radical Polymerization (Cu-ATRP). 2019 , 141, 7486-7497		56
677	Preparation of Carboxylated Graphene Oxide/Polydimethacrylate Nanocomposites via Atom Transfer Radical Polymerization and the Mechanical Properties of Nanocomposites. 2019 , 61, 349-360		2
676	Block copolymers for supercapacitors, dielectric capacitors and batteries. 2019 , 31, 233001		13
675	Water Soluble Polymer Flocculants: Synthesis, Characterization, and Performance Assessment. 2019 , 304, 1800526		68
674	Polyacrylonitrile-derived nanostructured carbon materials. 2019 , 92, 89-134		50
673	Poly(vinylpyridine) Segments in Block Copolymers: Synthesis, Self-Assembly, and Versatility. <i>Macromolecules</i> , 2019 , 52, 1354-1370	5-5	66
672	Nonmigratory Poly(vinyl chloride)-block-polycaprolactone Plasticizers and Compatibilizers Prepared by Sequential RAFT and Ring-Opening Polymerization (RAFT-T -ROP). <i>Macromolecules</i> , 2019 , 52, 1746-1756	5-5	21
671	A new synthetic pathway based on one-pot sequential aza-Michael addition and photoCuAAC click reactions.. 2019 , 9, 4824-4831		5
670	Electrochemically Mediated Atom Transfer Radical Polymerization of Methyl Methacrylate: The Importance of Catalytic Halogen Exchange. 2019 , 6, 4257-4265		12

- 669 Carborane RAFT agents as tunable and functional molecular probes for polymer materials. **2019**, 10, 1660-1667 9
- 668 Methylation of poly(acrylic acid), prepared using RAFT polymerization, with trimethylsilyldiazomethane: A metamorphosis of the thiocarbonyl group to a thiol-end group. **2019**, 168, 116-125 6
- 667 Advances in Organocatalyzed Atom Transfer Radical Polymerization. **2019**, 2019, 1-9 6
- 666 Immobilization of laccase onto modified PU/RC nanofiber via atom transfer radical polymerization method and application in removal of bisphenol A. **2019**, 19, 815-824 6
- 665 Single-chain tethered nanoparticles with tunable softness: scalable synthesis and unique self-assembly behavior. **2019**, 10, 6183-6190 4
- 664 Atom Transfer Radical Polymerization for Biorelated Hybrid Materials. **2019**, 20, 4272-4298 33
- 663 Axially Ligated Mesohemins as Bio-Mimicking Catalysts for Atom Transfer Radical Polymerization. **2019**, 24, 2 2
- 662 Redox reactions of small organic molecules using ball milling and piezoelectric materials. **2019**, 366, 1500-1504 153
- 661 Recent progress of glycopolymer synthesis for biomedical applications. **2019**, 7, 4848-4872 43
- 660 Preparation of hydrophobically modified associating multiblock copolymers via a one-pot aqueous RAFT polymerization. **2019**, 10, 6247-6253 6
- 659 BINOLs as visible light photocatalysts for metal-free atom transfer radical polymerization. **2019**, 10, 6662-6668 9
- 658 Copper mediated RDRP of thioacrylates and their combination with acrylates and acrylamides. **2019**, 10, 6622-6629 6
- 657 Unconventional route to dual-shelled organolead halide perovskite nanocrystals with controlled dimensions, surface chemistry, and stabilities. **2019**, 5, eaax4424 82
- 656 Effect of Aromatic Co-Solvents on the Efficiency of Atom Transfer Radical Coupling Reactions of Fluorinated and Non-Fluorinated Vinyl Aromatic Polymers. **2019**, 220, 1900319 9
- 655 Biocatalytic ATRP in solution and on surfaces. **2019**, 627, 263-290 0
- 654 New type of montmorillonite compatibilizers and their influence on viscoelastic properties of ethylene propylene diene and methyl vinyl silicone rubbers blends. **2019**, 183, 105359 9
- 653 A Methodology Towards Mechanical Properties Optimization of Three-Component Polymers by the Gradual Variation of Feed Composition in Semi-Continuous Emulsion-Free Radical Polymerization. **2019**, 11, 2 2
- 652 2. Antibacterial activity of amphiphilic polymers. **2019**, 33-56 6

651	100th Anniversary of Macromolecular Science Viewpoint: Heterogenous Reversible Deactivation Radical Polymerization at Room Temperature. Recent Advances and Future Opportunities. 2019 , 8, 1660-1669	36
650	Highly Efficient Atom Transfer Radical Polymerization System Based on the SaBOX/Copper Catalyst. <i>Macromolecules</i> , 2019 , 52, 9792-9798	5.5 7
649	Synthesis and self-assembly of photoacid-containing block copolymers based on 1-naphthol. 2019 , 10, 5602-5616	6
648	Precise modulation of molecular weight distribution for structural engineering. 2019 , 10, 10698-10705	25
647	Site-Specifically Initiated Controlled/Living Branching Radical Polymerization: A Synthetic Route toward Hierarchically Branched Architectures. 2019 , 141, 794-799	29
646	Minimizing Star-Star Coupling in Cu(0)-Mediated Controlled Radical Polymerizations. <i>Macromolecules</i> , 2019 , 52, 601-609	5.5 7
645	Stimuli-Responsive Poly(N-Vinyl lactams) with Glycidyl Side Groups: Synthesis, Characterization, and Conjugation with Enzymes. 2019 , 20, 992-1006	10
644	Comb Polymers with Triazole Linkages under Thermal and Mechanical Stress. <i>Macromolecules</i> , 2019 , 52, 420-431	5.5 2
643	DNA-Polymer Conjugates by Photoinduced RAFT Polymerization. 2019 , 20, 212-221	49
642	Dissolution, derivatization, and functionalization of chitin in ionic liquid. 2019 , 123, 732-737	26
641	Modeling the Synthesis of Butyl Methacrylate Macromonomer by Sequential ATRP-CCTP. 2019 , 13, 1800062	0
640	Atom Transfer Radical Polymerization: Billion Times More Active Catalysts and New Initiation Systems. 2019 , 40, e1800616	131
639	Nitroxide mediated copolymerization of acrylates, methacrylates and styrene: The importance of side reactions in the polymerization of acrylates. 2019 , 110, 319-329	14
638	Synthesis and solution properties of thermosensitive hydrophilic imidazole-based copolymers with improved catalytic activity. 2019 , 223, 311-318	6
637	Lubrication and Wear Protection of Micro-Structured Hydrogels Using Bioinspired Fluids. 2019 , 20, 326-335	6
636	Influence of residual impurities on ring-opening metathesis polymerization after copper(I)-catalyzed alkyne-azide cycloaddition click reaction. 2019 , 57, 726-737	10
635	Developing a thermal grafting process for zwitterionic polymers on cross-linked polyethylene with geometry-independent grafting thickness. 2019 , 85, 180-191	8
634	Polymer brushes grafted from nanostructured zinc oxide layers Spatially controlled decoration of nanorods. 2019 , 112, 186-194	5

633	Functionalization of PLLA with Polymer Brushes to Trigger the Assembly of Fibronectin into Nanonetworks. 2019 , 8, e1801469	7
632	Synthesis of ultra-high molecular weight polymers by controlled production of initiating radicals. 2019 , 57, 1922-1930	14
631	Ligand-Binding Cooperativity Effects in Polymer-Protein Conjugation. 2019 , 20, 1118-1131	8
630	The First Synthesis of Periodic and Alternating Glycopolymers by RAFT Polymerization: A Novel Synthetic Pathway for Glycosaminoglycan Mimics. 2019 , 11,	4
629	Polymer-Based Synthetic Routes to Carbon-Based Metal-Free Catalysts. 2019 , 31, e1804626	26
628	ARGET-ATRP using ECD as reducing agent for the synthesis of PMMA-b-PS-b-PMMA triblock copolymers. 2019 , 136, 47117	4
627	Dual Polymerizations: Untapped Potential for Biomaterials. 2019 , 8, e1800861	31
626	Recent progress on fabrication methods of polymeric thin film gas separation membranes for CO ₂ capture. 2019 , 572, 38-60	115
625	Poly(2-hydroxyethyl methacrylate) brushes synthesized by atom transfer radical polymerization from gold surface as a gate insulator in organic thin-film transistors. 2019 , 669, 133-140	3
624	Graphene oxide grafted poly(acrylic acid) synthesized via surface initiated RAFT as a pH-responsive additive for mixed matrix membrane. 2019 , 136, 47213	12
623	Antifouling Membranes for Bioelectrochemistry Applications. 2019 , 195-224	5
622	Developing a nontoxic and biocompatible polymeric self-assembly by using RAFT methodology for biomedical application. 2019 , 18, 14-24	3
621	Mechanisms of Polymer Polymerization. 2019 , 7-58	3
620	Vibrational Spectroscopy in Analysis of Stimuli-Responsive Polymer/Water Systems. 2019 , 223-271	
619	Simple tertiary amines as promoters in oxygen tolerant photochemically induced ATRP of acrylates. 2019 , 161, 122-127	10
618	Thermal Approaches to Perpendicular Block Copolymer Microdomains in Thin Films: A Review and Appraisal. 2019 , 40, e1800728	23
617	Architecture-transformable polymers: Reshaping the future of stimuli-responsive polymers. 2019 , 89, 61-75	132
616	The effect of dendritic pendants on the folding of amphiphilic copolymers via supramolecular interactions. 2019 , 57, 411-421	6

615	Systematic Comparison of Zwitterionic and Non-Zwitterionic Antifouling Polymer Brushes on a Bead-Based Platform. 2019 , 35, 1181-1191	47
614	Opportunities for complex fluids engineering with nanoparticulate polymer brushes. 2019 , 65, 3-12	2
613	Electrochemically mediated atom transfer radical polymerization with dithiocarbamates as alkyl pseudohalides. 2019 , 57, 376-381	15
612	Reversibly core-crosslinked PEG-P(HPMA) micelles: Platinum coordination chemistry for competitive-ligand-regulated drug delivery. 2019 , 535, 505-515	19
611	Complex macromolecular structures from stable radical containing block copolymers. 2020 , 58, 62-69	2
610	Role of chemical additives and their rheological properties in enhanced oil recovery. 2020 , 36, 789-830	7
609	Preparation of poly(N-isopropylacrylamide) by interface-mediated dissociative electron transfer reversible addition-fragmentation chain transfer (IMDET-RAFT) polymerization technique. 2020 , 74, 1049-1058	0
608	Down-regulation of mir-27b promotes angiogenesis and fibroblast activation through activating PI3K/AKT signaling pathway. 2020 , 28, 39-48	3
607	Polymeric Photoacids Based on Naphthols-Design Criteria, Photostability, and Light-Mediated Release. 2020 , 26, 2365-2379	5
606	Highly efficient oxidation of alcohols catalyzed by Ru(II) carbonyl complexes bearing salicylaldiminato ligands. 2020 , 500, 119224	5
605	Influence of block sequence on the colloidal self-assembly of poly(norbornene)-block-poly(ethylene oxide) amphiphilic block polymers using rapid injection processing. 2020 , 11, 375-384	6
604	Mechanistic and kinetic investigation of Cu(II)-catalyzed controlled radical polymerization enabled by ultrasound irradiation. 2020 , 66, e16746	12
603	Biocompatible polymers via aqueous electrochemically mediated atom transfer radical polymerization. 2020 , 58, 114-123	12
602	Polymernetzwerke: Von Kunststoffen und Gelen zu porösen Gerüsten. 2020 , 132, 5054-5085	9
601	Polymer Networks: From Plastics and Gels to Porous Frameworks. 2020 , 59, 5022-5049	96
600	Macroscopic and microscopic shape memory effects of block copolymers prepared via ATRP. 2020 , 58, 20-24	3
599	Recent advances in RAFT polymerization of monomers derived from renewable resources. 2020 , 11, 220-229	27
598	Using Kinetic Modeling and Experimental Data to Evaluate Mechanisms in PET-RAFT. 2020 , 58, 139-144	9

597	Synthesis of Ultra-high Molecular Weight SiO ₂ -g-PMMA Particle Brushes. 2020 , 30, 174-181	4
596	Rapid synthesis of PEGylated multiblock polymers by sequence-controlled polymerization in H ₂ O. 2020 , 11, 417-424	1
595	Direct introduction of hydroxyl groups in polystyrene chain ends prepared by atom-transfer radical polymerization. 2020 , 52, 57-64	4
594	One-pot aminolysis/thia-Michael addition preparation of well-defined amphiphilic PVDF-b-PEG-b-PVDF triblock copolymers: self-assembly behaviour in mixed solvents. 2020 , 11, 401-410	10
593	Recoverable and recyclable nickel-cobalt magnetic alloy nanoparticle catalyzed reversible deactivation radical polymerization of methyl methacrylate at 25 °C. 2020 , 11, 287-291	6
592	All methacrylate block copolymer/TiO ₂ nanocomposite via ATRP and in-situ sol-gel process. 2020 , 22, 100728	3
591	Targeted photodynamic therapy with a novel photosensitizer cercosporin encapsulated multifunctional copolymer. 2020 , 585, 124136	6
590	Dually-functional riboflavin macromolecule as a supramolecular initiator and reducing agent in temporally-controlled low ppm ATRP. 2020 , 14, 235-247	10
589	Latest advances in zwitterionic structures modified dialysis membranes. 2020 , 15, 100227	19
588	Polystyrene networks with polyoxyethylene cross-links covalently grafted onto nano-SiO ₂ cores: surface-initiated ATRP and thermal investigations. 2020 , 77, 5953-5966	
587	Synthesis of N-benzyl-2-(dodecylthio)-N-(2-(dodecylthio)ethyl)ethanamine: new ligand for block copolymerization of styrene and methyl methacrylate using ATRP. 2020 , 27, 1	2
586	Diblock brush-arm star copolymers via a core-first/graft-from approach using β -cyclodextrin and ROMP: a modular platform for drug delivery. 2020 , 11, 541-550	8
585	Surface-grafted polyacrylonitrile brushes with aggregation-induced emission properties. 2020 , 11, 669-674	14
584	Making the best of it: nitroxide-mediated polymerization of methacrylates via the copolymerization approach with functional styrenics. 2020 , 11, 593-604	7
583	Iodine-mediated photoATRP in aqueous media with oxygen tolerance. 2020 , 11, 843-848	14
582	On the nitroxide mediated polymerization of methacrylates derived from bio-sourced terpenes in miniemulsion, a step towards sustainable products. 2020 , 11, 1151-1160	17
581	High-density information storage in an absolutely defined aperiodic sequence of monodisperse copolyester. 2020 , 11, 56	34
580	Elucidating the effect of sequence and degree of polymerization on antimicrobial properties for block copolymers. 2020 , 11, 84-90	19

579	Natural catalyst mediated ARGET and SARA ATRP of N-isopropylacrylamide and methyl acrylate. 2020 , 11, 687-694		9
578	Polymerization of Vinyl Chloride at Ambient Temperature Using Macromolecular Design via the Interchange of Xanthate: Kinetic and Computational Studies. <i>Macromolecules</i> , 2020 , 53, 190-202	5.5	11
577	Polymer-guided assembly of inorganic nanoparticles. 2020 , 49, 465-508		108
576	Photocontrolled Iodine-Mediated Reversible-Deactivation Radical Polymerization: Solution Polymerization of Methacrylates by Irradiation with NIR LED Light. 2020 , 132, 3938-3944		8
575	Photocontrolled Iodine-Mediated Reversible-Deactivation Radical Polymerization: Solution Polymerization of Methacrylates by Irradiation with NIR LED Light. 2020 , 59, 3910-3916		38
574	Understanding the Relationship between Catalytic Activity and Termination in photoATRP: Synthesis of Linear and Bottlebrush Polyacrylates. <i>Macromolecules</i> , 2020 , 53, 59-67	5.5	20
573	Self-plasticized, lumogallion-based fluorescent optical sensor for the determination of aluminium (III) with ultra-low detection limits. 2020 , 1101, 141-148		5
572	Current status of ATRP-based materials for gene therapy. 2020 , 147, 104453		13
571	Bottom-Up Masking of Si/Ge Surfaces and Nanowire Heterostructures Surface-Initiated Polymerization and Selective Etching. 2020 , 14, 282-288		6
570	One-step synthesis of zwitterionic polyethersulfone ultrafiltration membranes crosslinked by BSA. 2020 , 261, 127007		5
569	Brush-modified materials: Control of molecular architecture, assembly behavior, properties and applications. 2020 , 100, 101180		71
568	Emerging Functional Porous Polymeric and Carbonaceous Materials for Environmental Treatment and Energy Storage. 2020 , 30, 1907006		91
567	Tuning Butyrylcholinesterase Inactivation and Reactivation by Polymer-Based Protein Engineering. 2020 , 7, 1901904		7
566	Complex polymer topologies and polymer/nanoparticle hybrid films prepared via surface-initiated controlled radical polymerization. 2020 , 100, 101185		22
565	Controlled grafting of polymer brush layers from porous cellulosic membranes. 2020 , 596, 117719		13
564	Poly (ether sulfone) membrane surface modification using norepinephrine to mitigate fouling. 2020 , 598, 117657		8
563	The hydrophilic boronic acid-poly(ethylene glycol) methyl ether methacrylate copolymer brushes functionalized magnetic carbon nanotubes for the selective enrichment of glycoproteins. 2020 , 210, 120632		14
562	β-Cyclodextrin-based star polymers for membrane surface functionalization: Covalent grafting via click chemistry and enhancement of ultrafiltration properties. 2020 , 596, 117610		4

561	Preparation of Biomolecule-Polymer Conjugates by Grafting-From Using ATRP, RAFT, or ROMP. 2020 , 100,	75
560	The benzyl ethyl trithiocarbonate mediated control synthesis of a block copolymer containing N-vinyl pyrrolidone by RAFT methodology: Influence of polymer composition on cell cytotoxicity and cell viability. 2020 , 122, 109387	3
559	Microencapsulation of phase change material in water dispersible polymeric particles for thermoregulating rubber composites: A holistic approach. 2020 , 44, 1567-1579	7
558	UV irradiation of Cu-based complexes with aliphatic amine ligands as used in living radical polymerization. 2020 , 123, 109388	5
557	Synthesis of a novel dispersant with topological structure by using humic acid as raw material and its application in coal water slurry preparation. 2020 , 262, 116576	21
556	Chemically Modified Natural Polymer-Based Theranostic Nanomedicines: Are They the Golden Gate toward a Clinical Approach against Cancer?. 2020 , 6, 134-166	17
555	In Pursuit of Zero 2.0: Recent Developments in Nonfouling Polymer Brushes for Immunoassays. 2020 , 32, e1903285	25
554	Trends in 2017/2018: Polymer Synthesis. 2019 , 12,	2
553	Preparation of hydrophobic tannins-inspired polymer materials via low-ppm ATRP methods. 2020 , 31, 913-921	6
552	An Experimental and Computational Approach on Controlled Radical Photopolymerization of Limonene. 2020 , 221, 2000199	5
551	Chemically functionalized polyamide thin film composite membranes: The art of chemistry. 2020 , 495, 114655	18
550	Discovery of the RAFT/MADIX Process: Mechanistic Insights and Polymer Chemistry Implications. <i>Macromolecules</i> , 2020 , 53, 8144-8159	5.5 14
549	Surface-Initiated Ring-Opening Metathesis Polymerization: A Method for Synthesizing Polymer-Functionalized Nanoparticles Exhibiting Semicrystalline Properties and Diverse Macromolecular Architectures. <i>Macromolecules</i> , 2020 , 53, 8216-8232	5.5 5
548	Dual roles of 4-N,N-dimethylaminostyrene as both catalyst and monomer in reversible complexation mediated polymerization for the synthesis of functional polystyrene and polystyrene-block-polyisoprene-block-polystyrene. 2020 , 141, 110095	
547	Reversible-deactivation radical polymerization (Controlled/living radical polymerization): From discovery to materials design and applications. 2020 , 111, 101311	223
546	Visible-light-induced controlled ATRP by modified N-rich holey carbon nitride nanosheets in natural solvent. 2020 , 318, 114320	0
545	Surface Engineering with Polymer Brush Photolithography. 2020 , 41, e2000177	20
544	Dual atom transfer radical polymerization for ultrasensitive electrochemical DNA detection. 2020 , 133, 107462	9

543	Synthesis of bioactive polyaniline--polyacrylic acid copolymer nanofibrils as an effective antibacterial and anticancer agent in cancer therapy, especially for HT29 treatment.. 2020 , 10, 25290-25304		5
542	Polymer Brush Coating and Adhesion Technology at Scale. 2020 , 12,		5
541	Self-healing materials utilizing supramolecular interactions. 2020 , 293-367		1
540	Greener Coupling of Poly(methyl methacrylate) and Poly(methyl acrylate) Chains using Activators Generated by Electron Transfer and Radical Traps. 2020 , 221, 2000125		1
539	Processing techniques of chitin-based gels, blends, and composites using ionic liquids. 2020 , 47-60		1
538	Polymeric Drug Delivery Systems Bearing Cholesterol Moieties: A Review. 2020 , 12,		6
537	Quantify the contribution of chain length heterogeneity on block copolymer self-assembly. 2020 , 4, 100037		15
536	Amidoxime-Functionalized Covalent Organic Nanosheets for Sequestration of Uranium In Vivo.. 2020 , 3, 8731-8738		6
535	Novel amino-functionalized hypercrosslinked polymer nanoparticles constructed from commercial macromolecule polystyrene via a two-step strategy for CO ₂ adsorption. 2020 , 44, 21125-21133		2
534	Biomaterials for Drug Delivery: Sources, Classification, Synthesis, Processing, and Applications. 2020 ,		3
533	Anthraquinone-Mediated Reduction of a Trithiocarbonate Chain-Transfer Agent to Initiate Electrochemical Reversible Addition-Fragmentation Chain Transfer Polymerization. <i>Macromolecules</i> , 2020 , 53, 10315-10322	5.5	8
532	Polymerization Reactions and Modifications of Polymers by Ionizing Radiation. 2020 , 12,		57
531	Computation-Assisted Investigation of Polymer Kinetics: Mechanism of the Hybridization of Cobalt-Mediated Radical Polymerization and Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2020 , 53, 10855-10865	5.5	1
530	Biocatalytic nanoparticles for the stabilization of degassed single electron transfer-living radical pickering emulsion polymerizations. 2020 , 11, 5599		23
529	Application of Coordination Compounds with Transition Metal Ions in the Chemical Industry-A Review. 2020 , 21,		11
528	9,9-Dimethyl Dihydroacridine-Based Organic Photocatalyst for Atom Transfer Radical Polymerization from Modifying Unstable Electron Donor. <i>Macromolecules</i> , 2020 , 53, 7053-7062	5.5	9
527	Signalling molecular recognition nanocavities with multiple functional groups prepared by molecular imprinting and sequential post-imprinting modifications for prostate cancer biomarker glycoprotein detection. 2020 , 8, 7987-7993		13
526	Fully oxygen-tolerant atom transfer radical polymerization triggered by sodium pyruvate. 2020 , 11, 8809-8816		27

525	Mixed Polymer Brushes for "Smart" Surfaces. 2020 , 12,		19
524	Biodegradable cationic nanogels with tunable size, swelling and pK for drug delivery. 2020 , 588, 119691		8
523	Catalytic Detoxification of Organophosphorus Nerve Agents by Butyrylcholinesterase-Polymer-Oxime Bioscavengers. 2020 , 21, 3867-3877		5
522	Synthesis and properties of a stimulus-responsive block polymer.. 2020 , 10, 28541-28549		1
521	Amino pyridine iron(II) complexes: Characterization and catalytic application for atom transfer radical polymerization and catalytic chain transfer. 2020 , 924, 121456		1
520	Recycling the Catalyst of Atom Transfer Radical Polymerization to Prepare a Cu, N Codoped Mesoporous Carbon Electrocatalyst for Oxygen Reduction. 2020 , 8, 12768-12774		6
519	Facile fabrication of a controlled polymer brush-type functional nanoprobe for highly sensitive determination of alpha fetoprotein. 2020 , 12, 4438-4446		6
518	Antiviral Polymers: Past Approaches and Future Possibilities. <i>Macromolecules</i> , 2020 , 53, 9158-9186	5.5	40
517	Synthetic advances of internally nanostructured polymer particles: From and beyond block copolymer. 2020 , 1, 639-658		2
516	SEC analysis of copolymers of different topologies with branched and linear copolyimides with PMMA blocks as a model system. 2020 , 140, 110031		2
515	Polyene-Free Photoluminescent Polymers via Hydrothermal Hydrolysis of Polyacrylonitrile in Neutral Water. 2020 , 9, 1403-1408		4
514	Iodine-mediated photo-controlled atom transfer radical polymerization (photo-ATRP) and block polymerization combined with ring-opening polymerization (ROP) via a superbase. 2020 , 11, 6591-6598		5
513	Understanding the Synthesis of Linear Bottlebrush Linear Block Copolymers: Toward Elastomers with Well-Defined Mechanical Properties. <i>Macromolecules</i> , 2020 , 53, 8324-8332	5.5	11
512	Radical Lifetimes in Atom Transfer Radical Polymerization: A Monte Carlo and Deterministic Investigation. <i>Macromolecules</i> , 2020 , 53, 7224-7238	5.5	3
511	The Role of Nitroxide Degradation on the Efficiency of the Controller in Nitroxide-Mediated Radical Polymerization (NMP) of Styrene. 2020 , 59, 17786-17795		2
510	Synergistic Advances in Living Cationic and Radical Polymerizations. <i>Macromolecules</i> , 2020 , 53, 6749-6753	5.5	18
509	Real-Time Measurement of Polymer Brush Dynamics Using Silicon Photonic Microring Resonators: Analyte Partitioning and Interior Brush Kinetics. 2020 , 36, 10351-10360		0
508	Photocatalytic Generation of Aminium Radical Cations for C-N Bond Formation. 2020 , 10, 11712-11738		33

507	Metal-Free ATRP Catalyzed by Visible Light in Continuous Flow. 2020 , 8, 740		7
506	SI-ATRP Polymer-Functionalized Graphene Oxide for Water Vapor Separation. 2020 , 7, 2000443		7
505	Nanosized Organo-Silica Particles with Built-In Surface-Initiated Atom Transfer Radical Polymerization Capability as a Platform for Brush Particle Synthesis. 2020 , 9, 1218-1223		4
504	Chemical and Enzymatic Routes for Lignocellulosic Bioproducts via Carbon Extension and Deoxygenation. 2020 , 8, 13555-13575		
503	Biobased Polymers via Radical Homopolymerization and Copolymerization of a Series of Terpenoid-Derived Conjugated Dienes with -Methylene and 6-Membered Ring. 2020 , 25,		5
502	Progress in the Preparation of Functional and (Bio)Degradable Polymers via Living Polymerizations. 2020 , 21,		4
501	Synthesis of Polymer Grafted Starches and Their Flocculation Properties in Clay Suspension. 2020 , 10, 1054		3
500	Iron-Based Catalytically Active Complexes in Preparation of Functional Materials. 2020 , 8, 1683		2
499	Developments in the Components of Metal-Free Photoinitiated Organocatalyzed-Atom Transfer Radical Polymerization (O-ATRP). 2020 , 5, 14884-14899		4
498	Investigations into CTA-differentiation-involving polymerization of fluororous monomers: exploitation of experimental variances in fine-tuning of molecular weights. 2020 , 11, 7402-7409		2
497	High adsorption of fulvic acid by amino modified styrene-type macroporous resin and evaluation of its mechanism. 2020 , 81, 1000-1010		
496	Macromolecular engineering approach for the preparation of new architectures from fluorinated olefins and their applications. 2020 , 106, 101255		23
495	Versatile Approach for Preparing PVC-Based Mikto-Arm Star Additives Based on RAFT Polymerization. <i>Macromolecules</i> , 2020 , 53, 4465-4479	5-5	7
494	Tunable Assembly of Block Copolymer Tethered Particle Brushes by Surface-Initiated Atom Transfer Radical Polymerization. 2020 , 9, 806-812		9
493	p-Substituted Tris(2-pyridylmethyl)amines as Ligands for Highly Active ATRP Catalysts: Facile Synthesis and Characterization. 2020 , 132, 15020-15030		2
492	Tailoring Polymer Dispersity by RAFT Polymerization: A Versatile Approach. 2020 , 6, 1340-1352		68
491	Cellulose-Based Thermoplastics and Elastomers via Controlled Radical Polymerization. 2020 ,		0
490	Poloxamer: A versatile tri-block copolymer for biomedical applications. 2020 , 110, 37-67		79

489	Reversible-deactivation radical polymerization of cyclic ketene acetals. 2020 , 11, 3525-3545	14
488	p-Substituted Tris(2-pyridylmethyl)amines as Ligands for Highly Active ATRP Catalysts: Facile Synthesis and Characterization. 2020 , 59, 14910-14920	16
487	Enhancing antifouling property of PVA membrane by grafting zwitterionic polymer via SI-ATRP method. 2020 , 31, 1852-1868	2
486	Characterization of electrospun polylactide nanofibers modified via atom transfer radical polymerization. 2020 , 152808372093038	1
485	Investigating Temporal Control in Photoinduced Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2020 , 53, 5280-5288	5.5 21
484	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. 2020 , 11, 4355-4381	11
483	Lignin-based smart materials: a roadmap to processing and synthesis for current and future applications. 2020 , 7, 2237-2257	70
482	Design of Waterborne Asymmetric Block Copolymers as Thermoresponsive Materials. 2020 , 12,	
481	Zwitterionic Polymer Brush Grafted on Polyvinylidene Difluoride Membrane Promoting Enhanced Ultrafiltration Performance with Augmented Antifouling Property. 2020 , 12,	11
480	Self-assembled nanostructures from amphiphilic block copolymers prepared via ring-opening metathesis polymerization (ROMP). 2020 , 107, 101278	36
479	Temporal control of RAFT polymerization via magnetic catalysis. 2020 , 11, 2838-2846	5
478	. 2020 ,	1
477	Electrical monitoring of photoisomerization of block copolymers intercalated into graphene sheets. 2020 , 11, 1324	10
476	A novel single-ion conductor gel polymer electrolyte prepared by co-irradiation grafting and electrospinning process. 2020 , 347, 115246	10
475	STEM Gels by Controlled Radical Polymerization. 2020 , 2, 341-353	18
474	100th Anniversary of Macromolecular Science Viewpoint: Polymers from Lignocellulosic Biomass. Current Challenges and Future Opportunities. 2020 , 9, 476-493	62
473	Renewable Fabric Surface-Initiated ATRP Polymerizations: Towards Mixed Polymer Brushes. 2020 , 10,	1
472	Photo-induced copper mediated copolymerization of activated-ester methacrylate polymers and their use as reactive precursors to prepare multi-dentate ligands for the water transfer of inorganic nanoparticles. 2020 , 11, 2969-2985	4

471	Photophysics and photochemistry of NIR absorbers derived from cyanines: key to new technologies based on chemistry 4.0. 2020 , 16, 415-444		21
470	Polyester nitrile N-oxides for click reactions synthesized with nitroalkane precursors as the initiator. 2020 , 11, 3115-3119		4
469	Synergistic anti-fouling and bactericidal poly(ether ether ketone) surfaces via a one-step photomodification. 2020 , 111, 110811		10
468	Metallo-Polyelectrolytes: Correlating Macromolecular Architectures with Properties and Applications. 2020 , 2, 227-240		13
467	Chemical Surface Modification of Polymeric Biomaterials for Biomedical Applications. 2020 , 41, e1900430		32
466	Fabrication of novel electrochemical immunosensor by mussel-inspired chemistry and surface-initiated PET-ATRP for the simultaneous detection of CEA and AFP. 2020 , 154, 104632		9
465	Temperature- and pH-Responsive Star Polymers as Nanocarriers with Potential for Agrochemical Delivery. 2020 , 14, 10954-10965		38
464	Track-Etched Nanopore/Membrane: From Fundamental to Applications. 2020 , 4, 2000366		60
463	Cascade Reactions in Chain-Growth Polymerization. <i>Macromolecules</i> , 2020 , 53, 5655-5673	5.5	10
462	Surface Engineering of Liquid Metal Nanodroplets by Attachable Diblock Copolymers. 2020 , 14, 9884-9893		22
461	Fabrication and structural tailoring of reverse osmosis membranes using Cyclodextrin-cored star polymers. 2020 , 611, 118415		10
460	Fluorinated initiators, mediators, and solvents in controlled radical polymerization. 2020 , 69-88		
459	ATRP Initiators Based on Proton Transfer Benzazole Dyes: Solid-State Photoactive Polymer with Very Large Stokes Shift. 2020 , 2, 1406-1416		13
458	Amplified photo-responses in sequentially polymerized azobenzene-containing polymer networks: the role of isomer interconnection. 2020 , 11, 1998-2005		4
457	Surface Modifications of Poly(Ether Ether Ketone) via Polymerization Methods-Current Status and Future Prospects. 2020 , 13,		12
456	The First Dive into the Mechanism and Kinetics of ATRP. <i>Macromolecules</i> , 2020 , 53, 1115-1118	5.5	5
455	Copolymer-Derived N/B Co-Doped Nanocarbons with Controlled Porosity and Highly Active Surface. 2020 , 58, 225-232		4
454	Reactive Functionally Terminated Polyorganosiloxanes. 2020 , 23-61		1

453	Influence of Nanoconfinement on the pKa of Polyelectrolyte Functionalized Silica Mesopores. 2020 , 7, 1901914	14
452	Controlling gelation time of in situ polymerization of gel system through AGET ATRP principle. 2020 , 29, 275-286	1
451	Genetic Control of Radical Cross-linking in a Semisynthetic Hydrogel. 2020 , 6, 1375-1386	9
450	Dual catalytic performance of arene-ruthenium amine complexes for norbornene ring-opening metathesis and methyl methacrylate atom-transfer radical polymerizations. 2020 , 34, e5602	4
449	Continuous flow photoinduced phenothiazine derivatives catalyzed atom transfer radical polymerization. 2020 , 126, 109565	10
448	Light and magnetism dual-gated photoinduced electron transfer-reversible addition-fragmentation chain transfer (PET-RAFT) polymerization.. 2020 , 10, 6850-6857	7
447	Enzyme-mediated reversible deactivation radical polymerization for functional materials: principles, synthesis, and applications. 2020 , 11, 1673-1690	12
446	Synthesis of amphiphilic star-shaped block copolymers through photo-induced metal free atom transfer radical polymerization. 2020 , 126, 109557	6
445	Selectivity engineering of Meerwein arylation in a continuous flow reactor: a modelling approach. 2020 , 5, 736-746	1
444	Preparation and Characterization of Thermoresponsive PEG-Based Injectable Hydrogels and Their Application for 3D Cell Culture. 2020 , 21, 1254-1263	9
443	The synthesis of star-shaped poly(N-isopropylacrylamide) with two zinc porphyrins as the core and end groups via ATRP and CLICK chemistry and a photocatalytic performance study. 2020 , 44, 2781-2787	2
442	Synthesis of Riboflavin-Based Macromolecules through Low ppm ATRP in Aqueous Media. 2020 , 221, 1900496	13
441	Methods for synthesis of nanocontainers. 2020 , 19-48	
440	Can We Push Rapid Reversible Deactivation Radical Polymerizations toward Immortality?. 2020 , 9, 190-196	12
439	Self-assembly of cholesterol end-capped polymer micelles for controlled drug delivery. 2020 , 18, 13	19
438	Compatibilities and properties of poly lactide/poly (methyl acrylate) grafted chicken feather composite: Effects of graft chain length. 2020 , 137, 48981	4
437	Organocatalyzed controlled radical polymerization with alkyl bromide initiator via in situ halogen exchange under thermal condition. 2020 , 189, 122201	3
436	Composites of silica aerogels with organics: a review of synthesis and mechanical properties. 2020 , 57, 1-23	11

435	Synthesis and Characterization of Waterborne Pyrrolidone-Functional Diblock Copolymer Nanoparticles Prepared via Surfactant-free RAFT Emulsion Polymerization. <i>Macromolecules</i> , 2020 , 53, 1422-1434	5.5	23
434	Polyethyleneoxide-b-poly(isopropyl methacrylate) diblock copolymers as novel material for ultrafiltration membranes. 2020 , 58, 2561-2574		1
433	Thermo-responsive nanocarrier based on poly(N-isopropylacrylamide) serving as a smart doxorubicin delivery system. 2020 , 29, 197-207		10
432	Cu-Mediated Butadiene ATRP. 2020 , 10, 6645-6663		7
431	Modification of starch: A review on the application of "green" solvents and controlled functionalization. 2020 , 241, 116350		53
430	Efficient Pyrazole Moiety-Containing Ligands for Cu-Catalyzed O-Arylation of Phenols. 2020 , 5, 4152-4159		1
429	One-pot synthesis of polymer-reinforced silica aerogels from high internal phase emulsion templates. 2020 , 573, 62-70		15
428	Geometrical Constraints of Poly(diethylene glycol methyl ether methacrylate) Brushes on Spherical Nanoparticles and Cylindrical Nanowires: Implications for Thermoresponsive Brushes on Nanoobjects. 2020 , 3, 3693-3705		2
427	Synthesis of Modified TiO ₂ Nanoparticles with Polyacrylonitrile and Poly(hydroxyethyl acrylate) via ATRP. 2020 , 5, 4695-4700		1
426	In situ polymerization and polymer grafting to stabilize polymer-functionalized nanoparticles in polymer matrices. 2020 , 127, 134701		10
425	Double-external-field enables bulk controlled radical polymerization with narrow molecular weight distribution at high conversion. 2020 , 66, e16245		6
424	Superhydrophilicity and strong salt-affinity: Zwitterionic polymer grafted surfaces with significant potentials particularly in biological systems. 2020 , 278, 102141		26
423	Synthesis of zinc-porphyrin based multi-arm star Poly(N-isopropylacrylamide) and the effect of topology on photocatalytic performance. 2020 , 1210, 128050		4
422	An isocyanide ligand for the rapid quenching and efficient removal of copper residues after Cu/TEMPO-catalyzed aerobic alcohol oxidation and atom transfer radical polymerization. 2020 , 11, 4251-4262 ¹³		
421	Low Ppm Atom Transfer Radical Polymerization in (Mini)Emulsion Systems. 2020 , 13,		5
420	Iron Catalysts in Atom Transfer Radical Polymerization. 2020 , 25,		17
419	Poly (Ethylene Oxide)-Based Block Copolymer Electrolytes Formed via Ligand-Free Iron-Mediated Atom Transfer Radical Polymerization. 2020 , 12,		1
418	DNA Origami Meets Polymers: A Powerful Tool for the Design of Defined Nanostructures. 2021 , 60, 6218-6229 ¹⁶		

4 ¹⁷	Synthesis of a new biodegradable system based on Cyclodextrin/iron oxide nanocomposite: application for delivery of docetaxel. 2021 , 78, 3055-3070	3
4 ¹⁶	Kinetic features of iron-based electrochemically mediated ATRP revealed by Monte Carlo simulation. 2021 , 67, e17098	3
4 ¹⁵	Role of surface functional groups of hydrogels in metal adsorption: From performance to mechanism. 2021 , 408, 124463	16
4 ¹⁴	Organic solvent filtration by brush membranes: Permeability, selectivity and fouling correlate with degree of SET-LRP grafting. 2021 , 618, 118699	2
4 ¹³	Continuous flow photo-RAFT and light-PISA. 2021 , 420, 127663	6
4 ¹²	Tris(2-pyridylmethyl)amines as emerging scaffold in supramolecular chemistry. 2021 , 427, 213558	12
4 ¹¹	Concurrent ring-opening and atom transfer radical polymerization for synthesis of block copolymers, and their comprehensive chromatographic characterization. 2021 , 142, 110161	2
4 ¹⁰	Controllable synthesis of patchy particles with tunable geometry and orthogonal chemistry. 2021 , 582, 333-341	7
4 ⁰⁹	Star polymer@TiO ₂ nanohybrids to effectively modify the surface of PMMA dielectric layers for solution processable OFETs. 2021 , 9, 1269-1278	7
4 ⁰⁸	Design and synthesis of novel di- and triblock amphiphilic polyelectrolytes: Improving salt-induced viscosity reduction of water solutions for potential application in enhanced oil recovery. 2021 , 138, 50366	3
4 ⁰⁷	Artificial neural networks towards average properties targets in styrene ARGET-ATRP. 2021 , 407, 126999	5
4 ⁰⁶	History of nitroxide mediated polymerization in Canada. 2021 , 99, 832-852	5
4 ⁰⁵	Fabrication of Plasmon-Active Polymer-Nanoparticle Composites for Biosensing Applications. 2021 , 8, 945-954	5
4 ⁰⁴	The chemistry of cross-linked polymeric vesicles and their functionalization towards biocatalytic nanoreactors. 2021 , 299, 309-324	8
4 ⁰³	Kombination von DNA-Origami und Polymeren: Eine leistungsstarke Methode zum Aufbau definierter Nanostrukturen. 2021 , 133, 6282-6294	1
4 ⁰²	Polymeric Materials for Eye Surface and Intraocular Applications. 2021 , 22, 223-261	5
4 ⁰¹	RAFT agent symmetry and the effects on photo-growth behavior in living polymer networks. 2021 , 12, 5017-5026	4
4 ⁰⁰	Lignin and Lignocellulosic Materials: A Glance on the Current Opportunities for Energy and Sustainability. 2021 , 621-652	1

399	Greener, Faster, Stronger: The Benefits of Deep Eutectic Solvents in Polymer and Materials Science. 2021 , 13,	15
398	Synthesis, Characterization and Applications of Glycopolymers. 2021 , 180-208	1
397	UV-mediated atom transfer radical polymerization of acrolein. 1	0
396	Membrane Modification. 2021 , 135-170	1
395	Superwetttable porous spheres prepared by recyclable Pickering emulsion polymerization for multifarious oil/water separations. 2021 , 23, 2372-2381	4
394	Biopolymer-Based Nanomaterials for Biomedical Applications. 2021 , 29-55	
393	Ultrafast, green and recyclable photoRDRP in an ionic liquid towards multi-stimuli responsive amphiphilic copolymers. 2021 , 12, 4954-4960	1
392	Modification of Electrospun Regenerate Cellulose Nanofiber Membrane via Atom Transfer Radical Polymerization (ATRP) Approach as Advanced Carrier for Laccase Immobilization. 2021 , 13,	4
391	One-step synthesis of poly(methacrylate)-b-polyester via one organocatalyst, two polymerizations 2021 , 12, 5069-5076	0
390	Metal Complexes as Catalysts/Moderators for Polymerization Reactions. 2021 , 410-464	0
389	Synthesis, characterization and self-assembly of linear and miktoarm star copolymers of exclusively immiscible polydienes. 2021 , 12, 2712-2721	1
388	Bromoform-assisted aqueous free radical polymerisation: a simple, inexpensive route for the preparation of block copolymers.	0
387	Surface-initiated mechano-ATRP as a convenient tool for tuning of bidisperse magnetorheological suspensions toward extreme kinetic stability. 2021 , 12, 5093-5105	2
386	Effect of nitrogen type on carbon dot photocatalysts for visible-light-induced atom transfer radical polymerization. 2021 , 12, 3060-3066	5
385	Simple and Scalable Protocol for Producing Hydrophobic Polymer Brushes Beyond Wafer-Scale Dimensions toward Real-Life Applications. 2021 , 3, 1395-1405	4
384	Thermo- and pH-responsive star-like polymers synthesized by photoATRP. 2021 , 215, 123345	3
383	Formation of Various Polymeric Films via Surface-Initiated ARGET ATRP on Silicon Substrates. 2021 , 42, 761-766	5
382	Simultaneous Detection of Two Tumor Marker Proteins Using Dual-Colored Signaling Molecularly Imprinted Polymers Prepared via Multi-Step Post-Imprinting Modifications. 2021 , 94, 525-531	4

381	ARGET ATRP of styrene in EtOAc/EtOH using only Na ₂ CO ₃ to promote the copper catalyst regeneration. 2021 , 58, 376-386		4
380	Cu-Catalyzed Atom Transfer Radical Polymerization in the Presence of Liquid Metal Micro/Nanodroplets. <i>Macromolecules</i> , 2021 , 54, 1631-1638	5-5	9
379	Highly efficient and tunable mikroarm stars for HIPE stabilization and polyHIPE synthesis. 2021 , 217, 123444		5
378	Distinct Sustainable Carbon Nanodots Enable Free Radical Photopolymerization, Photo-ATRP and Photo-CuAAC Chemistry. 2021 , 60, 10983-10991		16
377	Verschiedene nachhaltige Kohlenstoffnanopunkte für die freie radikalische Photopolymerisation, die Photo-ATRP und die Photo-CuACC Chemie. 2021 , 133, 11078-11087		0
376	Functional DNA-Polymer Conjugates. 2021 , 121, 11030-11084		15
375	Protein-Mimetic Self-Assembly with Synthetic Macromolecules. <i>Macromolecules</i> , 2021 , 54, 3585-3612	5-5	12
374	Making ATRP More Practical: Oxygen Tolerance. 2021 , 54, 1779-1790		30
373	Designer Core-Shell Nanoparticles as Polymer Foam Cell Nucleating Agents: The Impact of Molecularly Engineered Interfaces. 2021 , 13, 17034-17045		3
372	Macroscopic materials assembled from nanoparticle superlattices. 2021 , 591, 586-591		41
371	Selenium-Containing Dynamic Polymers: From Synthesis to Functions. 2021 , 339-365		
370	Influence of the Polymer Microstructure over the Phase Separation of Thermo-Responsive Nanoparticles. 2021 , 13,		4
369	Facile Grafting Modification of Poly(Vinylidene Fluoride-co-Trifluoroethylene) Directly from Inner CH ₂ CH Bonds. 2021 , 222, 2100017		0
368	Cross-Linked Polymeric Micelles as Catalytic Nanoreactors. 2021 , 2021, 1420-1427		5
367	Tuning the Thermoresponsive Behavior of Surface-Attached PNIPAM Networks: Varying the Crosslinker Content in SI-ATRP. 2021 , 37, 3391-3398		6
366	Electrochemistry for Atom Transfer Radical Polymerization. 2021 , 21, 2203-2222		4
365	Recent Advances in Engineered Nanoparticles for RNAi-Mediated Crop Protection Against Insect Pests. 2021 , 3,		7
364	Internal plasticization of poly(vinyl chloride) by grafting acrylate copolymers via copper-mediated atom transfer radical polymerization. 2021 , 138, 50747		1

363	The Effect of Viscosity on the Coupling and Hydrogen-Abstraction Reaction between Transient and Persistent Radicals. 2021 , 94, 966-972		1
362	Low ppm CuBr-Triggered Atom Transfer Radical Polymerization under Mild Conditions. <i>Macromolecules</i> , 2021 , 54, 3075-3083	5.5	11
361	Interrogation of O-ATRP Activation Conducted by Singlet and Triplet Excited States of Phenoxazine Photocatalysts. 2021 , 125, 3109-3121		3
360	Orthogonal Images Concealed Within a Responsive 6-Dimensional Hypersurface. 2021 , 33, e2100803		7
359	Enhanced magnetorheological effect of suspensions based on carbonyl iron particles coated with poly(amidoamine) dendrons. 2021 , 60, 263-276		2
358	Electricity-Driven Post-Functionalization of Conducting Polymers. 2021 , 21, 2107-2119		3
357	Copper on chitosan-modified cellulose filter paper as an efficient dip catalyst for ATRP of MMA. 2021 , 11, 8257		2
356	New Light in Polymer Science: Photoinduced Reversible Addition-Fragmentation Chain Transfer Polymerization (PET-RAFT) as Innovative Strategy for the Synthesis of Advanced Materials. 2021 , 13,		9
355	Amphiphilic copolymers in biomedical applications: Synthesis routes and property control. 2021 , 123, 111952		12
354	Anisotropic and Self-Healing Copolymer with Multiresponsive Capability via Recyclable Alloy-Mediated RDRP. 2021 , 42, e2100096		2
353	Advances in polymeric ionic liquids-based smart polymeric materials: emerging fabrication strategies. 2021 ,		3
352	Machine learning-assisted systematical polymerization planning: case studies on reversible-deactivation radical polymerization. 2021 , 64, 1039-1046		5
351	Multi-Functional Nanocavities Fabricated Using Molecular Imprinting and Post-Imprinting Modifications for Efficient Biomarker Detection. 2021 , 42,		0
350	Bottlebrush polymers: From controlled synthesis, self-assembly, properties to applications. 2021 , 116, 101387		38
349	Hydroalkylation of Alkynes: Functionalization of the Alkenyl Copper Intermediate through Single Electron Transfer Chemistry. 2021 , 143, 7903-7908		5
348	Perspective on the controlled polymer-modification of chitosan and cellulose nanocrystals: Towards the design of functional materials. 2021 , 99, 2087-2104		1
347	Recent Advances in the Synthesis of Polymer-Grafted Low-K and High-K Nanoparticles for Dielectric and Electronic Applications. 2021 , 26,		3
346	Amphiphilic Core Cross-Linked Star Polymers for the Delivery of Hydrophilic Drugs from Hydrophobic Matrices. 2021 , 22, 2554-2562		0

345	Reversible deactivation radical polymerization of bio-based dienes. 2021 , 162, 104871	3
344	Liquid Phase Electron Microscopy Provides Opportunities in Polymer Synthesis and Manufacturing. <i>Macromolecules</i> , 2021 , 54, 4986-4996	5-5 2
343	Polymeric Delivery of Therapeutic Nucleic Acids. 2021 , 121, 11527-11652	30
342	Radical Addition to α -Diaryl Dihydrophenazine Photoredox Catalysts and Implications in Photoinduced Organocatalyzed Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2021 , 54, 4507-4516	5
341	Radical Cations of Phenoxazine and Dihydrophenazine Photoredox Catalysts and Their Role as Deactivators in Organocatalyzed Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2021 , 54, 4726-4738	2
340	Latest Advances on the Synthesis of Linear ABC-Type Triblock Terpolymers and Star-Shaped Polymers by RAFT Polymerization. 2021 , 13,	4
339	Polystyrene Functionalized with Diacetylacetonitrile for the Visualization of Mechanoradicals and Improved Thermal Stability.. 2021 , 10, 744-748	3
338	Conjugated Cross-linked Phenothiazines as Green or Red Light Heterogeneous Photocatalysts for Copper-Catalyzed Atom Transfer Radical Polymerization. 2021 , 143, 9630-9638	18
337	Understanding dispersity control in photo-atom transfer radical polymerization: Effect of degree of polymerization and kinetic evaluation. 2021 , 59, 2502	7
336	pH-Responsive Electrospun Nanofibers and Their Applications. 1-49	12
335	Parameter Estimation and Kinetic Monte Carlo Simulation of Styrene and n-Butyl Acrylate Copolymerization through ATRP. 2021 , 60, 8396-8408	3
334	Electrochemical Exploration of Active Cu-Based Atom Transfer Radical Polymerization Catalysis through Ligand Modification. 2021 , 60, 9709-9719	3
333	Pyrrolidone and Caprolactam Functionalized Natural and Synthetic Polymers. 1003-1097	
332	Strategies for the synthesis of sequence-controlled glycopolymers and their potential for advanced applications. 2021 , 117, 101393	0
331	Challenges in Synthesis and Analysis of Asymmetrically Grafted Cellulose Nanocrystals via Atom Transfer Radical Polymerization. 2021 , 22, 2702-2717	6
330	Universal Chain-End Coupling Conditions for Brominated Polystyrenes, Polyacrylates, and Polymethacrylates. 2021 , 9, 1001	0
329	Construction of Chiroptical Switch on Silica Nanoparticle Surface via Chiral Self-assembly of Side-chain Azobenzene-containing Polymer. 1	0
328	Mapping the Pathway to Organocopper(II) Complexes Relevant to Atom Transfer Radical Polymerization. 2021 , 60, 10648-10655	2

327	Depolymerization of P(PDMS11MA) Bottlebrushes via Atom Transfer Radical Polymerization with Activator Regeneration. <i>Macromolecules</i> , 2021 , 54, 5526-5538	5.5	12
326	Pyrrolidone Monomers with Acrylate Functionality and their Polymers. 935-1002		
325	Organo-Cobalt Complexes in Reversible-Deactivation Radical Polymerization. 2021 ,		0
324	Ultrahigh energy-dissipation elastomers by precisely tailoring the relaxation of confined polymer fluids. 2021 , 12, 3610		12
323	Study of the Cu[I]/Cu[II] catalytic system in 2,6-dimethylphenol polymerization to poly(phenylene oxide). 2021 , 510, 111628		
322	Facile Synthesis of Hydrophilic Homo-Polyacrylamides via Cu(0)-Mediated Reversible Deactivation Radical Polymerization. 2021 , 13,		1
321	New Photoresponsive Poly(meth)acrylates Bearing Azobenzene Moieties Obtained via ATRP Polymerization Exhibiting Liquid-Crystalline Behavior. 2021 , 13,		2
320	One-pot strategy for obtaining magnetic PMMA particles through ATRP using Fe(CO) ₅ as co-initiator. 2021 , 152, 110446		0
319	Green and sustainable method of manufacturing anti-fouling zwitterionic polymers-modified poly(vinyl chloride) ultrafiltration membranes. 2021 , 591, 343-351		10
318	Self-assembly of protein-polymer conjugates for drug delivery. 2021 , 174, 447-460		14
317	Star Polymer Size, Charge Content, and Hydrophobicity Affect their Leaf Uptake and Translocation in Plants. 2021 , 55, 10758-10768		9
316	The Application of Controlled/Living Radical Polymerization in Modification of PVDF-based Fluoropolymer. 2021 , 39, 1110-1126		2
315	Cyanines comprising barbiturate group facilitate NIR-light assisted ATRP under anaerobic and aerobic conditions at two wavelengths using Fe(III) catalyst. 2021 , 59, 2023-2035		2
314	Control of Phase Morphology of Binary Polymer Grafted Nanoparticle Blend Films Direct Immersion Annealing. 2021 ,		1
313	Metal-Free Organocatalyzed Atom Transfer Radical Polymerization: Synthesis, Applications, and Future Perspectives. 2021 , 42, e2100221		6
312	Exploring Electrochemically Mediated ATRP of Styrene. 2021 , 9, 1327		0
311	Imine-based covalent organic framework as photocatalyst for visible-light-induced atom transfer radical polymerization. 2021 , 59, 2036-2044		1
310	Enhancement of the Rate of Atom Transfer Radical Polymerization in Organic Solvents by Addition of Water: An Electrochemical Study.. 2021 , 8, 2450-2458		4

309	Effect of Reaction Media on Grafting Hydrophobic Polymers from Cellulose Nanocrystals Surface-Initiated Atom-Transfer Radical Polymerization. 2021 , 22, 3601-3612	1
308	Cyclodextrin polymers: Structure, synthesis, and use as drug carriers. 2021 , 118, 101408	26
307	Advances in design and biomedical application of hierarchical polymer brushes. 2021 , 118, 101409	14
306	Synthesis of triazole-functionalized diblock copolymers as templates for porous materials. 2021 , 164, 104919	1
305	Improved antifouling properties of PVA hydrogel via an organic semiconductor graphitic carbon nitride catalyzed surface-initiated photo atom transfer radical polymerization. 2021 , 203, 111718	5
304	Electrochemical study of the effect of Al ³⁺ on the stability and performance of Cu-based ATRP catalysts in organic media. 2021 , 388, 138589	1
303	Recent Progress of Zwitterionic Materials as Antifouling Membranes for Ultrafiltration, Nanofiltration, and Reverse Osmosis. 2021 , 3, 4390-4412	10
302	Grafting polymers from cellulose nanocrystals via surface-initiated atom transfer radical polymerization. 2021 , 138, 51458	5
301	Assemblies of Polyacrylonitrile-Derived Photoactive Polymers as Blue and Green Light Photo-Cocatalysts for Cu-Catalyzed ATRP in Water and Organic Solvents. 2021 , 9, 734076	3
300	Ionic liquids: From a solvent for polymeric reactions to the monomers for poly(ionic liquids). 2021 , 335, 116540	13
299	Synthesis of Styrenic Triblock Copolymer and its Application in Polyester Blends. 2021 , 398, 1900201	0
298	General Route to Colloidal Nanocrystal Clusters with Precise Hierarchical Control via Star-like Nanoreactors. 2021 , 37, 10461-10468	1
297	l-Histidine-Derived Smart Antifouling Biohybrid with Multistimuli Responsivity. 2021 , 22, 3941-3949	4
296	Cluster formation of initiators as a tool to impose conformational stability to unstructured regions of a protein. e1963000	
295	Synthesis of Poly(ionic Liquid)s--poly(methyl Methacrylate) Copolymer-Grafted Silica Particle Brushes with Enhanced CO Permeability and Mechanical Performance. 2021 , 37, 10875-10881	0
294	Preparation and vacuum membrane distillation performance of a superhydrophobic polypropylene hollow fiber membrane modified via ATRP. 2021 , 512, 115130	2
293	Are RAFT and ATRP Universally Interchangeable Polymerization Methods in Network Formation?. <i>Macromolecules</i> , 2021 , 54, 8331-8340	5.5 8
292	Photopolymerization and Photostructuring of Molecularly Imprinted Polymers.	4

291	In situ cross-linking in RAFT-mediated emulsion polymerization: Reshaping the preparation of cross-linked block copolymer nano-objects by polymerization-induced self-assembly. 2021 , 230, 124095	6
290	The impact of anionic polymers on gene delivery: how composition and assembly help evading the toxicity-efficiency dilemma. 2021 , 19, 292	2
289	Thiol-Lactam Initiated Radical Polymerization (TLIRP): Scope and Application for the Surface Functionalization of Nanoparticles. 2021 , 18,	3
288	Peculiarities of reversible addition-fragmentation chain transfer (RAFT) polymerization in the presence of switchable RAFT agent. 2021 , 28, 1	
287	Pseudo-zwitterions self-assembled from polycation and anion clusters showing exceptional water-cleanable anti-crude-oil-adhesion property. 2021 , 24, 102964	0
286	Fe-Doped Copolymer-Templated Nitrogen-Rich Carbon as a PGM-Free Fuel Cell Catalyst. 2021 , 4, 9653-9663	1
285	State-of-art review on preparation, surface functionalization and biomedical applications of cellulose nanocrystals-based materials. 2021 , 186, 591-615	4
284	Green Copolymers Based on Poly(Lactic Acid)-Short Review. 2021 , 14,	8
283	A Consequence of Dispersity on the Self-Assembly of Amphiphilic Homopolymers Containing Main-Chain Azobenzene. 2100202	
282	Surface modification of PA layer of TFC membranes: Does it effective for performance Improvement?. 2021 , 102, 271-292	2
281	Vinyl Polymer-based technologies towards the efficient delivery of chemotherapeutic drugs. 2021 , 121, 101432	6
280	Recent advances on perylene-based photoinitiators of polymerization. 2021 , 159, 110734	8
279	Photocontrolled reversible-deactivation radical polymerization of butyl acrylate mediated by Salen-type Coll complexes. 2021 , 159, 110757	0
278	N-isopropylacrylamide polymer brushes alter the micro-solvation environment during aqueous nitrite hydrogenation on Pd/Al ₂ O ₃ catalyst. 2021 , 402, 114-124	1
277	A polymer brush-based robust and flexible single-ion conducting artificial SEI film for fast charging lithium metal batteries. 2021 , 41, 697-702	14
276	Multiparametric miRNAs profiling by polymerization induced fluorescence-off amplification for acute myocardial infarction diagnosis. 2021 , 344, 130315	0
275	Molecular bottlebrush with pH-responsive cleavable bonds as a unimolecular vehicle for anticancer drug delivery. 2021 , 130, 112439	4
274	Facile preparation of antifouling nanofiltration membrane by grafting zwitterions for reuse of shale gas wastewater. 2021 , 276, 119310	3

273	Construction of ultra-long service life self-cleaning slippery surface on superhydrophobicity functionalized by ATRP treatment. 2022 , 428, 130997	1
272	Fabrication of poly(PEGMA) surface with controllable thickness gradient and its mediation on the gradient adhesion of cells. 2021 , 138, 50463	1
271	Self-assembly of dual-responsive amphiphilic POEGMA-b-P4VP-b-POEGMA triblock copolymers: effect of temperature, pH, and complexation with Cu ²⁺ . 2021 , 12, 4668-4679	1
270	Facile access to functional polyacrylates with dual stimuli response and tunable surface hydrophobicity. 2021 , 12, 3042-3051	4
269	Polymer green chemistry: principles of polymer synthetic green chemistry. 2021 , 3-22	1
268	The controlled growth of conjugated polymer-quantum dot nanocomposites a unimolecular templating strategy. 2021 , 57, 1250-1253	3
267	Synthesis and self-assembly of brush-shaped block copolymer structure via ATRP and ROP. 2021 , 111, 110590	4
266	Evolution and applications of polymer brush hypersurface photolithography.	1
265	Synthetic platform for mono-functionalised tridentate macrocycles as key precursors of mechanically-linked macromolecular systems.	1
264	Benzoperylene-grafted and Cu ²⁺ chelated polymeric nanoparticles for GSH depletion and chemodynamic therapy. 2021 , 5, 2442-2451	1
263	Synthetic Antimicrobial Polymers in Combination Therapy: Tackling Antibiotic Resistance. 2021 , 7, 215-253	28
262	Synthesis of Glycopolymers and Recent Developments. 137-173	3
261	Molecularly Controlled Catalysis Targeting Synergies Between Local and Non-local Environments. 2021 , 13, 1659-1682	11
260	Biocompatible polymers via aqueous electrochemically mediated atom transfer radical polymerization. 2020 , 58, 114	1
259	Using Kinetic Modeling and Experimental Data to Evaluate Mechanisms in PET-RAFT. 2020 , 58, 139	1
258	An Overview of Network Bifurcations in the Functionalized Cahn-Hilliard Free Energy. 2015 , 191-214	4
257	Simulation studies of the discrete semi-batch RAFT-mediated polymerization of styrene using a RAFT agent with relatively poor leaving group. 2017 , 95, 596-605	3
256	Influence of Grafting Density and Distribution on Material Properties Using Well-Defined Alkyl Functional Poly(Styrene-co-Maleic Anhydride) Architectures Synthesized by RAFT. <i>Macromolecules</i> , 2019 , 52, 1469-1478	5.5 18

255	. 2018,	2
254	CHAPTER 1:Nano-sized Molecularly Imprinted Polymers as Artificial Antibodies. 2018, 1-27	6
253	CHAPTER 13:Supported ILs and Materials Based on ILs for the Development of Green Synthetic Processes and Procedures. 2019, 289-318	3
252	Chapter 4:Magnetically Responsive Membrane. 2019, 83-124	1
251	RAFT multiblock reactor telescoping: from monomers to tetrablock copolymers in a continuous multistage reactor cascade. 2017, 8, 3815-3824	37
250	Accessible and sustainable Cu(0)-mediated radical polymerisation for the functionalisation of surfaces. 2020, 11, 3831-3840	1
249	Lignin-Based Carbon NanomaterialsThe Future Scope. 2019, 8, 20180153	2
248	Hydration-Enhanced Lubricating Electrospun Nanofibrous Membranes Prevent Tissue Adhesion. 2020, 2020, 4907185	48
247	Tuning dispersity of linear polymers and polymeric brushes grown from nanoparticles by atom transfer radical polymerization. 2021, 12, 6071-6082	7
246	C-O and C-C bond cleavage of α -unsaturated esters with the assistance of a gallane(pyridyl)iron complex. 2021, 50, 15996-16002	0
245	Probing polymer brushes with electrochemical impedance spectroscopy: a mini review. 2021, 9, 7379-7391	5
244	Internal plasticization of PVC. 1-44	1
243	Hydrogen Sulfide-Responsive Bicontinuous Nanospheres. 2021, 22, 4770-4782	0
242	Synthesis of Poly(methacrylic acid)-Polystyrene Diblock Copolymers at High Solid Contents via RAFT Emulsion Polymerization. 2021, 13,	2
241	Improved Self-Assembly of P3HT with Pyrene-Functionalized Methacrylates. 2021, 6, 27325-27334	1
240	Self-Assembled Nanoparticles Based on Block-Copolymers of Poly(2-Deoxy-2-methacrylamido-d-glucose)/Poly(-Vinyl Succinamic Acid) with Poly(-Cholesteryl Methacrylate) for Delivery of Hydrophobic Drugs. 2021, 22,	2
239	Playing construction with the monomer toy box for the synthesis of multi-stimuli responsive copolymers by reversible deactivation radical polymerization protocols.	1
238	One-Pot Strategy for the Preparation of Electrically Conductive Composites Using Simultaneous Reduction and Grafting of Graphene Oxide via Atom Transfer Radical Polymerization. <i>Macromolecules</i> ,	5.5 0

- 237 Bioactive Synthetic Polymers. **2021**, e2105063 11
- 236 Visible-Light Amine Thioxanthone Derivatives as Photoredox Catalysts for Photopolymerization Processes. 4
- 235 Controlling Molecular Aggregation-Induced Emission by Controlled Polymerization. **2021**, 26, 0
- 234 Stabilization and Kinetics of an Adsorbed Protein Depends on the Poly(-isopropylacrylamide) Grafting Density. **2021**, 22, 4470-4478 0
- 233 Engineered Aptamer-Organic Amphiphile Self-Assemblies for Biomedical Applications: Progress and Challenges. **2021**, e2104341 2
- 232 Introduction. **2014**, 1-5
- 231 Supramolecular ABA Triblock Copolymers. **2014**, 73-94
- 230 Introduction. **2015**, 1-34
- 229 CHAPTER 10:Thermogelling Polymers: A Cutting Edge Rheology Modifier. **2016**, 178-204
- 228  **2017**, 434-449
- 227 Atom Transfer Radical Polymerization: A Key Tool Towards the Design and Synthesis of Functional Polymers. **2017**, 57-126 1
- 226 Combination of Photoinduced ATRP and Click Processes for the Synthesis of Triblock Copolymers. 727-736
- 225 Polymer Synthesis. **2019**, 419-447
- 224 Chapter 6:CO₂-responsive Membranes. **2019**, 159-184
- 223 Genetic Control of Radical Crosslinking in a Semi-Synthetic Hydrogel.
- 222 Oxygen-Tolerant RAFT Polymerization Catalyzed by a Recyclable Biomimetic Mineralization Enhanced Biological Cascade System. **2021**, e2100559 4
- 221 RAFT Crosslinking Polymerization. **2021**, 873-932 1
- 220 Recombination of Poly(Acrylic Acid) Radicals in Acidic Aqueous Solutions: A Pulse Radiolysis Study. **2021**, 11, 10142 1

219	The self-assembly of gold nanoparticles in large-pore ordered mesoporous carbons. 2021,	
218	Redox-Initiated RAFT Polymerization and (Electro)chemical Activation of RAFT Agents. 2021, 647-677	2
217	Tethered electrolyte active-layer membranes. 2022, 642, 120004	1
216	Synthesis of novel organocatalyzed phenoxazine for free metal atom transfer radical polymerization. 2020, 30,	
215	Processing Methods. 2020, 99-141	
214	Redox-active polymers: The magic key towards energy storage & polymer design guideline progress in polymer science. 2021, 125, 101474	6
213	Facile Synthesis of Tertiary Amine Pendant Polymers by Cu ⁰ -Mediated ATRP under Aqueous Conditions. <i>Macromolecules,</i>	5.5 1
212	Complex macromolecular structures from stable radical containing block copolymers. 2020, 58, 62-69	
211	Macroscopic and microscopic shape memory effects of block copolymers prepared via ATRP. 2020, 58, 20-24	
210	Synthesis of block copolymers used in polymersome fabrication: Application in drug delivery. 2021, 341, 95-117	7
209	Facile access to template-shape-replicated nitrogen-rich mesoporous carbon nanospheres for highly efficient CO ₂ capture and contaminant removal.	2
208	Biodegradable PCL-b-PLA Microspheres with Nanopores Prepared via RAFT Polymerization and UV Photodegradation of Poly(Methyl Vinyl Ketone) Blocks. 2021, 13,	0
207	Organic Photocatalysts Based on Dithieno[3,2-b:2',3'-d]pyrrole for Photoinduced Metal-Free Atom Transfer Radical Polymerization. 2021, 29, 791-799	
206	Photo-mediated metal-free atom transfer radical polymerization: recent advances in organocatalysts and perfection towards polymer synthesis.	2
205	Metal-Catalyzed Switching Degradation of Vinyl Polymers via Introduction of an "In-Chain" Carbon-Halogen Bond as the Trigger.. 2021, 10, 1535-1539	5
204	Photoinduced Organocatalyzed Atom Transfer Radical Polymerization (O-ATRP): Precision Polymer Synthesis Using Organic Photoredox Catalysis. 2021,	20
203	Probing interfacial interactions and dynamics of polymers enclosed in boron nitride nanotubes. 2022, 60, 233	
202	Cationic RAFT and DT Polymerization. 2021, 124, 101485	7

201	Emulsion Templated Hierarchical Macroporous Polymers. 2022 , 43-86	1
200	All-Polymeric Thin-Film Nanocomposite Membrane for Organic Solvent Nanofiltration.	0
199	High performance-branched microgels as universal viscosifiers for water-based drilling fluids. 2021 , 11, 755	
198	Bottom-up nanoscale patterning and selective deposition on silicon nanowires. 2021 ,	1
197	A Guideline for the Synthesis of Amino-Acid-Functionalized Monomers and Their Polymerizations. 2021 , e2100615	3
196	Glasses-shaped triblock copolymer prepared by combination of atom transfer radical polymerization and ring opening polymerization. 2022 , 60, 258	
195	Hybrid copolymerization of acrylate and thiirane monomers mediated by trithiocarbonate.	1
194	A short review on RAFT polymerization of less activated monomers. 1-22	1
193	Thin-film composite membranes based on hyperbranched poly(ethylene oxide) for CO ₂ /N ₂ separation. 2022 , 644, 120184	0
192	Maltose-based methacrylated polymer architectures and their biocompatibility. 2022 , 23, 100669	0
191	Polyvalent design in the cGAS-STING pathway.. 2021 , 56, 101580	2
190	A New Protocol for Ash Wood Modification: Synthesis of Hydrophobic and Antibacterial Brushes from the Wood Surface.. 2022 , 27,	2
189	Thermoresponsive Poly(-isopropylacrylamide) Grafted from Cellulose Nanofibers Silver-Promoted Decarboxylative Radical Polymerization.. 2022 ,	0
188	Mapping the Morphological Landscape of Oligomeric Di-block Peptide-Polymer Amphiphiles**.	
187	Surface modification of polysaccharide nanocrystals. 2022 , 133-161	1
186	Computational design of next generation atom transfer radical polymerization ligands.	1
185	End-functionalized polymers by controlled/living radical polymerizations: synthesis and applications. 2022 , 13, 300-358	3
184	Mapping the Morphological Landscape of Oligomeric Di-block Peptide-Polymer Amphiphiles.. 2022 ,	2

- 183 Development of Chemical Synthesis Methods Based on Fusion of Inorganic and Organic Chemistry for Ceramic Powder Preparation and Surface Modification Methods of Nanoparticles and Nanosheets. **2022**, 69, 13-21
- 182 Recent advance in functionalized mesoporous silica nanoparticles with stimuli-responsive polymer brush for controlled drug delivery. 1-15 3
- 181 Biomolecule-Enabled Liquid Separation Membranes: Potential and Recent Progress.. **2022**, 12, 0
- 180 Facile Fabrication of Functional Mesoporous Polymer Nanospheres for CO₂ Capture. **2022**, 61, 1140-1147 0
- 179 Stepwise Gradient Copolymers of n-Butyl Acrylate and Isobornyl Acrylate by Emulsion RAFT Copolymerizations. *Macromolecules*, **2022**, 55, 391-400 5.5 0
- 178 Wavelength-Resolved PhotoATRP.. **2022**, 2
- 177 Recent Advances in Synthesis and Degradation of Lignin and Lignin Nanoparticles and Their Emerging Applications in Nanotechnology.. **2022**, 15, 6
- 176 Effect of halogen and solvent on iron-catalyzed atom transfer radical polymerization. 1
- 175 The advent and development of organophotoredox catalysis.. **2022**, 9
- 174 L-menthol and thymol eutectic mixture as a bio-based solvent for the one-pot synthesis of well-defined amphiphilic block copolymers by ATRP. **2022**, 242, 124586 0
- 173 Efficient dispersion of TiO₂ in water-based paint formulation using well-defined poly[oligo(ethylene oxide) methyl ether acrylate] synthesized by ICAR ATRP. **2022**, 165, 106734 0
- 172 Photo-induced Controlled/Living Polymerizations.. **2022**, 6
- 171 Oxygen-demanding Photocontrolled RAFT Polymerization under Ambient Conditions.. **2022**, e2100920 0
- 170 Photo-induced Controlled/Living Polymerizations. 0
- 169 Applications of Halogen-Atom Transfer (XAT) for the Generation of Carbon Radicals in Synthetic Photochemistry and Photocatalysis. **2021**, 21
- 168 The influence of thiocarbonylthio compounds on the B(C₆F₅)₃ catalyzed cationic polymerization of styrene. **2022**, 13, 1739-1750 0
- 167 A fluorescence strategy for direct quantification of arm components in mikto-arm star copolymers. **2022**, 13, 2026-2035
- 166 Application of ionic liquids for the functional materialization of chitin. 0

- 165 Surface derivatization and grafting on self-assembled chitin nanofibers for modification, functionalization, and application. **2022**, 187-202
- 164 DFT insight into asymmetric alkyl-alkyl bond formation nickel-catalysed enantioconvergent reductive coupling of racemic electrophiles with olefins.. **2022**, 13, 3728-3739 1
- 163 Living Synthetic Polymerizations. **2022**, 27-49 0
- 162 Straightforward synthesis of multifunctional porous polymer nanomaterials for CO2 capture and removal of contaminants. 0
- 161 (Nano)Composite Materials An Introduction. **2022**, 1-31
- 160 An amino acid-derived ABCBA-type antifouling biohybrid with multi-stimuli responsivity and contaminant removal capability. **2022**, 13, 1960-1969 1
- 159 Star Polymers with Designed Reactive Oxygen Species Scavenging and Agent Delivery Functionality Promote Plant Stress Tolerance.. **2022**, 16, 4467-4478 3
- 158 Targeted Positioning of Quantum Dots Inside 3D Silicon Photonic Crystals Revealed by Synchrotron X-ray Fluorescence Tomography.. **2022**, 1
- 157 Mesoporosity and nitrogen doping: The leading effect in oxygen reduction reaction activity and selectivity at nitrogen-doped carbons prepared by using polyethylene oxide-block-polystyrene as a sacrificial template.
- 156 Enzyme Catalysis for Reversible Deactivation Radical Polymerization.. **2022**, 2
- 155 Enzyme Catalysis for Reversible Deactivation Radical Polymerization.
- 154 Reversing RAFT Polymerization: Near-Quantitative Monomer Generation Via a Catalyst-Free Depolymerization Approach.. **2022**, 11
- 153 Toward Green Atom Transfer Radical Polymerization: Current Status and Future Challenges.. **2022**, e2106076 8
- 152 SI ATRP for the Surface Modifications of Optically Transparent Paper Films Made by TEMPO-Oxidized Cellulose Nanofibers.. **2022**, 14, 1
- 151 Covalent polymer functionalization of graphene/graphene oxide and its application as anticorrosion materials. 1
- 150 Fabrication of Comb-type self-oscillating gels by atom transfer radical polymerization for controlling autonomous swelling/deswelling behavior. **2022**, 14, 1
- 149 Experimental determination of activation rate constant and equilibrium constant for bromo substituted succinimide initiators for an atom transfer radical polymerization process. **2022**, 1
- 148 Controlled Release of Exosomes Using Atom Transfer Radical Polymerization-Based Hydrogels.. **2022**, 0

147	Fluorescent Polymers Conspectus.. 2022 , 14,	2
146	Applications of Polymer Bioconjugates. 1-47	
145	Polymer-Stabilized Liquid Metal Nanoparticles as a Scalable Current Collector Engineering Approach Enabling Lithium Metal Anodes. 2022 , 5, 3615-3625	0
144	Expanding the toolbox of controlled/living branching radical polymerization through simulation-informed reaction design. 2022 ,	1
143	Stereochemistry-Induced Discrimination in Reaction Kinetics of Photo-RAFT Initialization. <i>Macromolecules</i> ,	5.5 0
142	Living/Controlled Radical Polymerization: Nitroxide-mediated Polymerization. 1-54	
141	Polymer Networks *. 1-52	
140	Polymerizations in Aqueous Dispersed Media. 1-36	1
139	Reversible Deactivation Radical Polymerization: RAFT. 1-61	
138	Recent advances on anthracene-based photoinitiators of polymerization. 2022 , 169, 111139	1
137	Comparing Halogen Atom Abstraction Kinetics for Mn(I), Fe(I), Co(I), and Ni(I) Complexes by Combining Electroanalytical and Statistical Modeling. 2022 , 2022,	1
136	Tripodal heptadentate amine ligands with different nitrogen substituents for SARA- and photo-ATRP. 2022 , 170, 111143	
135	Synthesization and characterization of lignin-graft-poly (lauryl methacrylate) via ARGET ATRP.. 2022 ,	0
134	Living cell-mediated in-situ polymerization for biomedical applications. 2022 , 129, 101545	0
133	A novel signal amplification tag to develop rapid and sensitive aptamer-based biosensors.. 2022 , 145, 108087	0
132	Microcystins Detection Methods: A Focus on Recent Advances Using Molecularly Imprinted Polymers. 2021 ,	1
131	Methacrylate and Styrene Block Copolymer Synthesis by Cu-Mediated Chain Extension of Acrylate Macroinitiator in a Semibatch Reactor. 2100043	1
130	Segmented Copolymers Synthesized by Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization Using an Asymmetric Difunctional RAFT Agent and the Utilization in RAFT-Mediated Dispersion Polymerization. <i>Macromolecules</i> , 2022 , 55, 65-77	5.5 2

- 129 Grafting from Fluoropolymers Using ATRP: What is Missing?. **2022**, 2022, 1
- 128 Reversible C-C Bond Formation, Halide Abstraction, and Electromers in Complexes of Iron Containing Redox-Noninnocent Pyridine-imine Ligands. **2021**, 0
- 127 ABC-Type Triblock Copolyacrylamides via Copper-Mediated Reversible Deactivation Radical Polymerization.. **2021**, 14,
- 126 Stereoregulation, molecular weight, and dispersity control of PMMA synthesized free-radical polymerization supported by the external high electric field.. **2022**, 0
- 125 Nondestructive Photo-Cross-Linking of Microphase-Separated Diblock Polymers through Coumarin Dimerization. *Macromolecules*, 5-5 1
- 124 Mesoporous carbons from self-assembled polymers. 1
- 123 AIE-based Systems for Imaging and Image-guided Killing of Pathogens. **2022**, 297-327
- 122 Data_Sheet_1.PDF. **2020**,
- 121 Cholesterol in drug delivery systems. **2022**, 797-824
- 120 Reverse atom transfer radical polymerization of dimethyl itaconate initiated by a new azo initiator: AIBME.. **2022**, 12, 13347-13351
- 119 Precision Polymer Synthesis by Controlled Radical Polymerization: Fusing the progress from Polymer Chemistry and Reaction Engineering. **2022**, 101555 4
- 118 Synthesis of Core@Brush Microspheres by Atom Transfer Radical Polymerization for Capturing Phosphoprotein Casein utilizing Iron Ion Chelation and Schiff Base Bio-conjugation. **2022**, 121252
- 117 Compositionally Anisotropic Colloidal Surfactant Decorated with Dual Metallic Nanoparticles as a Pickering Emulsion Stabilizer and Their Application in Catalysis.. **2022**, 0
- 116 Amphiphilic block copolymers: From synthesis including living polymerization methods to applications in drug delivery. **2022**, 172, 111224 2
- 115 One-pot synthesis of block copolymer dispersant by ICAR ATRP with ppm copper catalyst and the dispersibility on pigment. **2022**, 169, 106914 0
- 114 Advancing Performance and Unfolding Mechanism of Lithium and Sodium Storage in SnO₂ via Precision Synthesis of Monodisperse PEG-Ligated Nanoparticles. 2201015 3
- 113 Donor modification of thermally activated delayed fluorescence photosensitizers for organocatalyzed atom transfer radical polymerization. 2
- 112 Fluorogenic monomer activation for protein-initiated atom transfer radical polymerization.

111	(Bio)degradable and Biocompatible Nano-Objects from Polymerization-Induced and Crystallization-Driven Self-Assembly.	2
110	Feasibility of Using Poly[oligo(ethylene glycol) Methyl Ether Methacrylate] as Tumor-Targeted Carriers of Diagnostic Drugs.	0
109	Surface Functionalities of Polymers for Biomaterial Applications. 2022 , 14, 2307	2
108	Machine learning strategies for the structure-property relationship of copolymers. 2022 , 25, 104585	1
107	Classification and application of redox-active polymer materials for energy storage nanoarchitectonics. 2022 , 91-113	0
106	Amphiphilic ABA-Type Block-Craft Molecular Brushes Based on Polyimide.	
105	Photoredox Catalysis in Photocontrolled Cationic Polymerizations of Vinyl Ethers. 2022 , 55, 1960-1971	1
104	New Approaches to Atom Transfer Radical Polymerization and Their Realization in the Synthesis of Functional Polymers and Hybrid Macromolecular Structures.	0
103	Acrylamide-based hydrogels with distinct osteogenic and chondrogenic differentiation potential.	
102	A Hydrometalation Initiation Mechanism via a Discrete Cobalt-Hydride for a Rapid and Controlled Radical Polymerization.	1
101	Lemonade as a rich source of antioxidants: Polymerization of 2-(dimethylamino)ethyl methacrylate in lemon extract. 2022 , 254, 125099	1
100	Removal of photoredox catalysts from polymers synthesized by organocatalyzed atom transfer radical polymerization.	
99	Polymer Brushes: Synthesis, Characterization, Properties and Applications. 2022 , 101000	2
98	Growth Kinetics of Single Polymer Particles in Solution via Active-Feedback 3D Tracking.	2
97	Atom Transfer Radical Polymerization: A Mechanistic Perspective.	9
96	Automated prediction of site and sequence of protein modification with ATRP initiators.	0
95	Copper-Mediated Single-Electron Approach to Indoline Amination: Scope, Mechanism, and Total Synthesis of Asperazine A.	
94	Optical Chemosensors based on Spiropyran-Doped Polymer Nanoparticles for Sensing pH of Aqueous Media.	2

- 93 ICAR ATRP-induced surface self-assembly in the fabrication of the surface nanostructures. **2022**, 11, 100114 ○
- 92 Chemical modifications in the structure of seaweed polysaccharides as a viable antimicrobial application: A current overview and future perspectives. **2022**, 66, 102796 ○
- 91 A Simple and Green Oxygen-Tolerant RAFT Polymerization without Additional Catalyst and Initiator. **2022**, 7, ○
- 90 Synthesis of PPC-graft-poly(PEOMA) Brush and PPC Gels via Post-polymerization Modification of Hydroxyl-Functionalized Poly(propylene carbonate). ○
- 89 Controlled polymerization for Lithium-ion batteries. **2022**, ○
- 88 Flame-Retardancy Finishing of Cotton Fabric by Surface-Initiated Photochemically Induced Atom Transfer Radical Polymerization. ○
- 87 Sulfoxide-Containing Polyacrylamides Prepared by PICAR ATRP for Biohybrid Materials. 1091-1096 2
- 86 Linear Block Copolymer Synthesis. 4
- 85 Nanomedicine and versatile therapies for cancer treatment. **2022**, 3, 2
- 84 A Xanthate-Type Photofunctional Chain Transfer Agent for the Synthesis of Macrophotoinitiators. ○
- 83 PentaFluoroStyrene-based block copolymers controlled self-assembly pattern: A platform paving the way to functional block copolymers. **2022**, 179, 111560 ○
- 82 Polymer conjugates. **2022**, 203-233 ○
- 81 Well-defined amine-reactive polymethacrylates through organocatalyzed controlled radical polymerization. **2022**, 13, 5226-5233 ○
- 80 Promoting effect of water on light and phenanthroline-diphosphine Cu(i) complex-initiated iodine atom transfer cyclisation. ○
- 79 Continuous-flow self-supported seATRP using a sonicated microreactor. 1
- 78 Understanding the structure-activity relationship and performance of highly active novel ATRP catalysts. **2022**, 51, 13272-13287 ○
- 77 Sonochemistry-assisted photocontrolled atom transfer radical polymerization enabled by manganese carbonyl. **2022**, 13, 4908-4914 ○
- 76 Synthesis of well-defined linear-bottlebrush-linear triblock copolymer towards architecturally-tunable soft materials. **2022**, 13, 4666-4674 ○

75	Open-air green-light-driven ATRP enabled by dual photoredox/copper catalysis.	5
74	Amphiphilic Janus Magnetoplasmonic Nanoparticles: pH-Triggered Self-Assembly and Fluorescence Modulation. 2022 , 126, 14967-14975	1
73	Redox-Switchable Catalysis. 1-21	0
72	Electrochemical Investigation of Iron-Catalyzed Atom Transfer Radical Polymerization. 2022 , 27, 6312	0
71	Research progress on preparation methods of water-soluble polyaniline. 095400832211314	0
70	Automated prediction of site and sequence of protein modification with ATRP initiators. 2022 , 17, e0274606	0
69	Strong Anionic/Charge-Neutral Block Copolymers from Cu(0)-Mediated Reversible Deactivation Radical Polymerization.	0
68	Molecular Dynamics and Structure of Poly(Methyl Methacrylate) Chains Grafted from Barium Titanate Nanoparticles. 2022 , 27, 6372	0
67	Modulation of Polymer Brush Properties by Tuning Dispersity. 2201439	1
66	Alternating Methyl Methacrylate/n-Butyl Acrylate Copolymer Prepared by Atom Transfer Radical Polymerization. 1217-1223	1
65	Recent Progress on Pebax-Based Thin Film Nanocomposite Membranes for CO ₂ Capture: The State of the Art and Future Outlooks.	0
64	Effect of hybrid TiO ₂ nanoparticles with controlled morphology on rheological properties of poly(styrene-co-acrylonitrile) nanocomposites. 2022 , 26, 101189	0
63	A grafting-from strategy for the synthesis of bottlebrush nanofibers from organic semiconductors.	0
62	Polymer-modified regenerated cellulose membranes: following the atom transfer radical polymerization concepts consistent with the principles of green chemistry.	0
61	Phosphorus-containing smart, multifunctional polymers towards materials with dual stimuli responsivity, self-aggregation ability and tunable wettability. 2022 , 181, 111646	0
60	Preparation of polyvinyl chloride (PVC) membrane blended with acrylamide grafted bentonite for oily water treatment. 2023 , 310, 136840	0
59	An eco-friendly strategy using a double-current two-phase cell system for electrografting of polyacrylic acid. 2022 , 116991	0
58	Promoting Silk Fibroin Adhesion to Stainless Steel Surfaces by Interface Tailoring..	0

57	Cyclodextrin-Based Polymeric Materials Bound to Corona Protein for Theranostic Applications. 2022 , 23, 13505	0
56	Highly Selective Radical Relay 1,4-Oxyimination of Two Electronically Differentiated Olefins.	5
55	Polyacrylic acid-based drug delivery systems: A comprehensive review on the state-of-art. 2022 , 103988	1
54	Cu-Catalyzed Atom Transfer Radical Polymerization: The Effect of Cocatalysts. 2200347	1
53	Energy transfer photocatalyst enabled by covalent organic framework induced reversible complexation-mediated polymerization under white LED light irradiation and the mechanism study. 2022 , 26, 101253	0
52	Recent advances in the synthesis of diallylammonium polymers. 2022 , 26, 101251	1
51	Development of pH sensing colloidal nanoparticles and oil/water separating electrospun membranes containing oxazolidine from functional polymers.	0
50	From non-conventional ideas to multifunctional solvents inspired by green chemistry: fancy or sustainable macromolecular chemistry?.	0
49	Tuning charge density in tethered electrolyte active-layer membranes for enhanced ion-ion selectivity. 2023 , 668, 121214	0
48	Photocontrolled Radical Polymerization of Methacrylate Monomers Mediated by Systems Based on Aryl Derivatives of Phenothiazine. 2022 , 64, 590-597	0
47	Polyacrylonitrile-b-Polystyrene Block Copolymer-Derived Hierarchical Porous Carbon Materials for Supercapacitor. 2022 , 14, 5109	0
46	Well-Defined pH-Sensitive Self-Assembled Triblock Copolymer-Based Crosslinked Micelles for Efficient Cancer Chemotherapy. 2022 , 27, 8153	0
45	Light- and Redox-Responsive Block Copolymers of mPEG-SS-ONBMA as a Smart Drug Delivery Carrier for Cancer Therapy. 2022 , 14, 2594	1
44	Quo Vadis Carbanionic Polymerization?.	0
43	Blue-light-induced atom transfer radical polymerization enabled by iron/copper dual catalysis.	0
42	Flame-retardant finishing of cotton fabric by surface-initiated photochemically induced atom transfer radical polymerization.	0
41	Visible light-induced metal-free atom transfer radical (co)polymerization of maleimides using commercial organocatalysts.	0
40	Polyacrylic Acid Copolymers as Adhesion-Adapted Model Materials for Cleaning Tests. 2200309	0

- 39 Microenvironment Modulation of Metal-Organic Frameworks (MOFs) for Coordination Olefin Oligomerization and (co)Polymerization. 2205898 ○
- 38 Recent Advances in the Use of Covalent Organic Frameworks as Heterogeneous Photocatalysts in Organic Synthesis. 2209475 2
- 37 Nanocellulose in Paper and Board Coating. **2023**, 197-298 ○
- 36 Conducting Polymer-Infused Electrospun Fibre Mat Modified by POEGMA Brushes as Antifouling Biointerface. **2022**, 12, 1143 ○
- 35 Small-Angle X-ray Scattering Analysis on the Estimation of Interaction Parameter of Poly(n-butyl acrylate)-b-poly(methyl methacrylate). **2022**, 14, 5567 ○
- 34 Polymerization and Applications of Poly(methyl methacrylate)/Graphene Oxide Nanocomposites: A Review. **2022**, 7, 47490-47503 ○
- 33 PVDF-Based Fluoropolymer Modifications via Photoinduced Atom Transfer Radical Polymerizations. **2022**, 2022, 1-8 ○
- 32 Solvent Coordination Effect on Copper-Based Molecular Catalysts for Controlled Radical Polymerization. **2022**, 12, 1656 ○
- 31 Radical-Promoted Single-unit Monomer Insertion (SUMI) [aka. Reversible-Deactivation Radical Addition (RDRA)]. **2023**, 101648 ○
- 30 Sequence Design of Random Heteropolymers as Protein Mimics. ○
- 29 Copper-Catalyzed Radical Cascade Annulation for the Preparation of Difluorinated Pyrrolidines and Piperidines. ○
- 28 Facile grafting modification of main-chain-type semi-fluorinated alternating fluoropolymers via simultaneous CuAAC reaction and ATRP in one pot at ambient temperature. ○
- 27 Redox Polymers: Architectures, Synthesis, and Characterization *. **2023**, 69-132 ○
- 26 Fabricating Tunable Superhydrophobic Surfaces Enabled by Surface-Initiated Emulsion Polymerization in Water. 2214947 ○
- 25 Polymer brushes based on N-methacryloxysuccinimide as platform for versatile post-polymerization modification. **2023**, 178, 107447 ○
- 24 Effects of macromonomer chain length, solvent and concentration on the cyclization kinetics during AB-type step-growth polymerization. **2023**, 269, 125730 ○
- 23 A highly efficient and specific grafting route for stable protein-polymer conjugates based on Spy chemistry. **2023**, 275, 125916 ○
- 22 ATRP Enhances Structural Correlations In Polymerization-Induced Phase Separation**. **2023**, 135, ○

- 21 Fully Oxygen-Tolerant Visible-Light-Induced ATRP of Acrylates in Water: Toward Synthesis of Protein-Polymer Hybrids. **2023**, 56, 2017-2026 ○
- 20 ATRP Enhances Structural Correlations In Polymerization-Induced Phase Separation**. **2023**, 62, ○
- 19 Deformation Driven Deswelling of Brush Gels. **2023**, 56, 2209-2216 ○
- 18 Novel Well-defined Polystyrene-block-Poly(lactide-co-glycolide) Block Copolymers. 241-252 ○
- 17 Radical and Ring-Opening Polymerizations with Aryl-Substituted Methylene-Bridged Titanium Bisphenolates. **2023**, 42, 414-434 ○
- 16 Kinetic-Mechanistic Studies on a Reactive Organocopper(II) Complex: Cu^{II} Bond Homolysis versus Heterolysis. **2023**, 62, 4662-4671 ○
- 15 Mechanistic aspect for the atom transfer radical polymerization of itaconimide monomers with methyl methacrylate: a computational study. **2023**, ○
- 14 Engineering Antifouling Nanofiltration Membranes Using Amino-Quinone NetworksBhytic Acid Pseudo Zwitterionic Clusters for Water Treatment. ○
- 13 One-pot synthesis of hyperbranched polymers via visible light regulated switchable catalysis. **2023**, 14, ○
- 12 Driving Polymer Brushes from Synthesis to Functioning. ○
- 11 Driving Polymer Brushes from Synthesis to Functioning. ○
- 10 Nano-On-Nano: Responsive Nanosubstrate-Mediated Liposome Delivery with High Cellular Uptake Efficiency. **2023**, 6, 1611-1620 ○
- 9 Sequence-Enhanced Self-Healing in Lock-and-Key Copolymers. **2023**, 12, 475-480 ○
- 8 The effect of side chain spacer length on the thermoresponsive behaviour of poly(methylamide acrylate)s. ○
- 7 Synthesis of star polymers using ultrasound-induced RAFT polymerization. ○
- 6 Ferrocene-driven single-chain polymer compaction. **2023**, 59, 4672-4675 ○
- 5 Iron-Mediated AGET ATRP of Methyl Methacrylate in Green Polar Ethyl Lactate Solvent without any External Ligand. ○
- 4 How intermediate analysis inspires selectivity control for the catalytic reductive amination of carbohydrates toward ethylene polyamines. **2023**, 100602 ○

- 3 Environmentally benign synthesis of bioconjugate materials. **2023**, ○
- 2 Effects of the Polymer Amount and pH on Proton Transport in Mesopores. ○
- 1 Polymersomes: Fundamentals and Shape Transformation Methods. **2023**, 1027-1054 ○