Richard Hoogenboom

List of Publications by Year
in descending order

516 papers	30,529 citations	6613 79 h-index	8167 148 g-index
562 all docs	562 docs citations	562 times ranked	23189 citing authors

#	Article	IF	Citations
1	Substrate-independent and widely applicable deposition of antibacterial coatings. Trends in Biotechnology, 2023, 41, 63-76.	9.3	7
2	Ecoâ€Friendly Colorimetric Nanofiber Design: Halochromic Sensors with Tunable pHâ€Sensing Regime Based on 2â€Ethylâ€2â€Oxazoline and 2â€nâ€Butylâ€2â€Oxazoline Statistical Copolymers Functionalized with Alizarin Yellow R. Advanced Functional Materials, 2022, 32, 2106859.	14.9	3
3	Advances and opportunities in the exciting world of azobenzenes. Nature Reviews Chemistry, 2022, 6, 51-69.	30.2	149
4	Differences and similarities between mono-, bi- or tetrafunctional initiated cationic ring-opening polymerization of 2-oxazolines. Polymer Chemistry, 2022, 13, 861-876.	3.9	3
5	Silanization of Plasma-Activated Hexamethyldisiloxane-Based Plasma Polymers for Substrate-Independent Deposition of Coatings with Controlled Surface Chemistry. ACS Applied Materials & Interfaces, 2022, 14, 4620-4636.	8.0	10
6	Design and Synthesis of Hybrid Thermo-Responsive Hydrogels Based on Poly(2-oxazoline) and Gelatin Derivatives. Gels, 2022, 8, 64.	4.5	6
7	Stimuli-Responsive Covalent Adaptable Hydrogels Based on Homolytic Bond Dissociation and Chain Transfer Reactions. Chemistry of Materials, 2022, 34, 468-498.	6.7	19
8	Ecoâ€Friendly Colorimetric Nanofiber Design: Halochromic Sensors with Tunable pHâ€Sensing Regime Based on 2â€Ethylâ€2â€Oxazoline and 2â€nâ€Butylâ€2â€Oxazoline Statistical Copolymers Functionalized with Alizarin Yellow R (Adv. Funct. Mater. 1/2022). Advanced Functional Materials, 2022, 32, .	14.9	0
9	Physically Cross-Linked Polybutadiene by Quadruple Hydrogen Bonding through Side-Chain Incorporation of Ureidopyrimidinone with Branched Alkyl Side Chains. Macromolecules, 2022, 55, 928-941.	4.8	17
10	A unified kinetic Monte Carlo approach to evaluate (a)symmetric block and gradient copolymers with linear and branched chains illustrated for poly(2-oxazoline)s. Polymer Chemistry, 2022, 13, 1559-1575.	3.9	10
11	Influence of Chain Length of Gradient and Block Copoly(2â€oxazoline)s on Selfâ€Assembly and Drug Encapsulation. Small, 2022, 18, e2106251.	10.0	15
12	Fluorinated Ferrocene Moieties as a Platform for Redox-Responsive Polymer ¹⁹F MRI Theranostics. Macromolecules, 2022, 55, 658-671.	4.8	6
13	Molecularly Imprinted Polymers with Enhanced Selectivity Based on 4-(Aminomethyl)pyridine-Functionalized Poly(2-oxazoline)s for Detecting Hazardous Herbicide Contaminants. Chemistry of Materials, 2022, 34, 84-96.	6.7	9
14	Accelerated Postâ€Polymerization Amidation of Polymers with Sideâ€Chain Ester Groups by Intramolecular Activation. Angewandte Chemie, 2022, 134, .	2.0	2
15	Accelerated Postâ€Polymerization Amidation of Polymers with Sideâ€Chain Ester Groups by Intramolecular Activation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	8
16	Linear Poly(ethylenimine-propylenimine) Random Copolymers for Gene Delivery: From Polymer Synthesis to Efficient Transfection with High Serum Tolerance. Biomacromolecules, 2022, 23, 2459-2470.	5.4	6
17	Poly(2â€oxazoline)s: a comprehensive overview of polymer structures and their physical propertiesâ€”an update. Polymer International, 2022, 71, 935-949.	3.1	15
18	Macrocyclization efficiency for poly(2-oxazoline)s and poly(2-oxazine)s. Polymer Chemistry, 2022, 13, 3975-3980.	3.9	5

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19	Mucus-penetrating nanoparticles based on chitosan grafted with various non-ionic polymers: Synthesis, structural characterisation and diffusion studies. Journal of Colloid and Interface Science, 2022, 626, 251-264.	9.4	24
20	Using Ion Mobilityâ€“Mass Spectrometry to Extract Physicochemical Enthalpic and Entropic Contributions from Synthetic Polymers. Journal of the American Society for Mass Spectrometry, 2021, 32, 330-339.	2.8	3
21	Reversible covalent locking of a supramolecular hydrogel via UV-controlled anthracene dimerization. Polymer Chemistry, 2021, 12, 307-315.	3.9	17
22	Bioinspired double network hydrogels: from covalent double network hydrogelsviahybrid double network hydrogels to physical double network hydrogels. Materials Horizons, 2021, 8, 1173-1188.	12.2	230
23	Self-healing hydrophobic POSS-functionalized fluorinated copolymers via RAFT polymerization and dynamic Dielsâ€“Alder reaction. Polymer Chemistry, 2021, 12, 876-884.	3.9	21
24	Injectable biocompatible poly(2-oxazoline) hydrogels by strain promoted alkyneâ€“azide cycloaddition. Biointerphases, 2021, 16, 011001.	1.6	9
25	N,N-Ru(<scp>ii</scp>)-p-cymene-poly(N-vinylpyrrolidone) surface functionalized gold nanoparticles: from organoruthenium complex to nanomaterial for antiproliferative activity. Dalton Transactions, 2021, 50, 8232-8242.	3.3	7
26	Judging Enzyme-Responsive Micelles by Their Covers: Direct Comparison of Dendritic Amphiphiles with Different Hydrophilic Blocks. Biomacromolecules, 2021, 22, 1197-1210.	5.4	21
27	Towards the understanding of halogenation in peptide hydrogels: a quantum chemical approach. Materials Advances, 2021, 2, 4792-4803.	5.4	3
28	[2 Ã— 2] metallo-supramolecular grids based on 4,6-bis((1H-1,2,3-triazol-4-yl)-pyridin-2-yl)-2-phenylpyrimidine ligands: from discrete [2 Ã— 2] grid structures to star-shaped supramolecular polymeric architectures. Dalton Transactions, 2021, 50, 8746-8751.	3.3	2
29	Pyrazoloanthrone-functionalized fluorescent copolymer for the detection and rapid analysis of nitroaromatics. Materials Chemistry Frontiers, 2021, 5, 238-248.	5.9	9
30	Thermoresponsive properties of polyacrylamides in physiological solutions. Polymer Chemistry, 2021, 12, 5077-5084.	3.9	12
31	Supramolecular Hydrogels with Tunable Swelling by Host Complexation with Cyclobis(paraquat-p-phenylene). Macromolecules, 2021, 54, 1926-1933.	4.8	4
32	Effect of Hostâ€“Guest Complexation on the Thermoresponsive Behavior of Poly(oligo ethylene glycol) Tj ETQq0 0 0 rgBT /Overlock 10 T Communications, 2021, 42, 2100068.	3.9	1
33	Poly(2-allylamidopropyl-2-oxazoline)-Based Hydrogels: From Accelerated Gelation Kinetics to In Vivo Compatibility in a Murine Subdermal Implant Model. Biomacromolecules, 2021, 22, 1590-1599.	5.4	11
34	Supramolecular control over pH- and temperature-responsive dialkoxynaphthalene-functionalized poly(2-(dimethylamino)ethyl methacrylate) in water. European Polymer Journal, 2021, 148, 110366.	5.4	3
35	Evaluation of cross-linking and degradation processes occurring at polymer surfaces upon plasma activation via size-exclusion chromatography. Polymer Degradation and Stability, 2021, 187, 109543.	5.8	15
36	Understanding the temperature induced aggregation of silica nanoparticles decorated with temperature-responsive polymers: Can a small step in the chemical structure make a giant leap for a phase transition?. Journal of Colloid and Interface Science, 2021, 590, 249-259.	9.4	5

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37	The race for strong and tough hydrogels. Matter, 2021, 4, 1456-1459.	10.0	5
38	Fluorine-Containing Block and Gradient Copoly(2-oxazoline)s Based on 2-(3,3,3-Trifluoropropyl)-2-oxazoline: A Quest for the Optimal Self-Assembled Structure for ¹⁹F Imaging. Biomacromolecules, 2021, 22, 2963-2975.	5.4	6
39	Crystal structures of three N-(pyridine-2-carbonyl)pyridine-2-carboxamides as potential ligands for supramolecular chemistry. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 958-964.	0.5	0
40	Tannic Acid-Stabilized Self-Degrading Temperature-Sensitive Poly(2-n-propyl-2-oxazoline)/Gellan Gum Capsules for Lipase Delivery. ACS Applied Bio Materials, 2021, 4, 7134-7146.	4.6	6
41	Asymmetric Incorporation of Silver Nanoparticles in Polymeric Assemblies by Coassembly of Tadpoleâ€Like Nanoparticles and Amphiphilic Block Copolymers. Macromolecular Rapid Communications, 2021, 42, 2100354.	3.9	3
42	Adamantane Functionalized Poly(2-oxazoline)s with Broadly Tunable LCST-Behavior by Molecular Recognition. Polymers, 2021, 13, 374.	4.5	10
43	Thermoresponsive Polymerâ€“Antibiotic Conjugates Based on Gradient Copolymers of 2-Oxazoline and 2-Oxazine. Biomacromolecules, 2021, 22, 5185-5194.	5.4	11
44	In Vitro Assessment of the Hydrolytic Stability of Poly(2-isopropenyl-2-oxazoline). Biomacromolecules, 2021, 22, 5020-5032.	5.4	9
45	Self-Assembly, Drug Encapsulation, and Cellular Uptake of Block and Gradient Copolymers of 2-Methyl-2-oxazine and 2-n-Propyl/butyl-2-oxazoline. Macromolecules, 2021, 54, 10667-10681.	4.8	13
46	Metal Ion Selective Selfâ€Assembly of a Ligand Functionalized Polymer into [1+1] Macrocyclic and Supramolecular Polymer Structures via Metalâ€“Ligand Coordination. Macromolecular Rapid Communications, 2020, 41, e1900305.	3.9	14
47	Dual Responsive Regulation of Hostâ€“Guest Complexation in Aqueous Media to Control Partial Release of the Host. Chemistry - A European Journal, 2020, 26, 1292-1297.	3.3	8
48	High compression strength single network hydrogels with pillar[5]arene junction points. Materials Horizons, 2020, 7, 566-573.	12.2	36
49	Water-Stable Plasma-Polymerized N,N-Dimethylacrylamide Coatings to Control Cellular Adhesion. ACS Applied Materials & Interfaces, 2020, 12, 2116-2128.	8.0	19
50	Drug Delivery Systems Based on Poly(2â€Oxazoline)s and Poly(2â€Oxazine)s. Advanced Therapeutics, 2020, 3, 1900168.	3.2	78
51	Poly(2-oxazoline)â€“protein conjugates. , 2020, , 407-420.		0
52	Drugâ€“polymer conjugates with dynamic cloud point temperatures based on poly(2-oxazoline) copolymers. Polymer Chemistry, 2020, 11, 5191-5199.	3.9	18
53	Porous Poly(2-oxazoline)-Based Polymers for Removal and Quantification of Phenolic Compounds. Chemistry of Materials, 2020, 32, 6425-6436.	6.7	18
54	On-Demand Dissoluble Diselenide-Containing Hydrogel. Biomacromolecules, 2020, 21, 3308-3317.	5.4	20

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55	Layer-by-Layer Assembled Hydrogen-Bonded Multilayer Poly(2-oxazoline) Membranes for Aqueous Separations. ACS Applied Polymer Materials, 2020, 2, 5398-5405.	4.4	7
56	Self-Healing and Moldable Poly(2-isopropenyl-2-oxazoline) Supramolecular Hydrogels Based on a Transient Metal Coordination Network. Macromolecules, 2020, 53, 6566-6575.	4.8	25
57	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	2.2	69
58	Complex Temperature and Concentration Dependent Self-Assembly of Poly(2-oxazoline) Block Copolymers. Polymers, 2020, 12, 1495.	4.5	8
59	Fluorinated Water-Soluble Poly(2-oxazoline)s as Highly Sensitive ¹⁹F MRI Contrast Agents. Macromolecules, 2020, 53, 6387-6395.	4.8	20
60	Immiscibility of Chemically Alike Amorphous Polymers: Phase Separation of Poly(2-ethyl-2-oxazoline) and Poly(2-n-propyl-2-oxazoline). Macromolecules, 2020, 53, 7590-7600.	4.8	9
61	Stoichiometric Control over Partial Transesterification of Polyacrylate Homopolymers as Platform for Functional Copolyacrylates. Macromolecular Rapid Communications, 2020, 41, e2000365.	3.9	12
62	FÃ¶rster resonance energy transfer in fluorophore labeled poly(2-ethyl-2-oxazoline)s. Journal of Materials Chemistry C, 2020, 8, 14125-14137.	5.5	11
63	Thioacetateâ€Based Initiators for the Synthesis of Thiolâ€Endâ€Functionalized Poly(2â€oxazoline)s. Macromolecular Rapid Communications, 2020, 41, 2000320.	3.9	2
64	Unravelling the Miscibility of Poly(2-oxazoline)s: A Novel Polymer Class for the Formulation of Amorphous Solid Dispersions. Molecules, 2020, 25, 3587.	3.8	6
65	Cationâˆ'Ï€ Interactions Accelerate the Living Cationic Ring-Opening Polymerization of Unsaturated 2-Alkyl-2-oxazolines. Macromolecules, 2020, 53, 3832-3846.	4.8	4
66	Degradation and excretion of poly(2-oxazoline) based hemostatic materials. Materialia, 2020, 12, 100763.	2.7	8
67	Poly(2-methyl-2-oxazoline) conjugates with doxorubicin: From synthesis of high drug loading water-soluble constructs to in vitro anti-cancer properties. Journal of Controlled Release, 2020, 326, 53-62.	9.9	27
68	Reduction-Responsive Molecularly Imprinted Poly(2-isopropenyl-2-oxazoline) for Controlled Release of Anticancer Agents. Pharmaceutics, 2020, 12, 506.	4.5	18
69	Structural Diversification of Pillar[n]arene Macrocycles. Angewandte Chemie - International Edition, 2020, 59, 6314-6316.	13.8	41
70	Strukturelle Diversifizierung von Pillar[n]arenâ€Makrocyclen. Angewandte Chemie, 2020, 132, 6374-6376.	2.0	4
71	Poly(2-ethyl-2-oxazoline) Conjugates with Salicylic Acid via Degradable Modular Ester Linkages. Biomacromolecules, 2020, 21, 3207-3215.	5.4	12
72	Dual pH and thermoresponsive alternating polyampholytes in alcohol/water solvent mixtures. Polymer Chemistry, 2020, 11, 2205-2211.	3.9	11

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73	Aging effect of atmospheric pressure plasma jet treated polycaprolactone polymer solutions on electrospinning properties. Journal of Applied Polymer Science, 2020, 137, 48914.	2.6	5
74	Selfâ€Healing Metalloâ€Supramolecular Hydrogel Based on Specific Ni²⁺ Coordination Interactions of Poly(ethylene glycol) with Bistriazole Pyridine Ligands in the Main Chain. Macromolecular Rapid Communications, 2020, 41, e1900457.	3.9	25
75	Supramolecular control over self-assembly and double thermoresponsive behavior of an amphiphilic block copolymer. European Polymer Journal, 2020, 125, 109537.	5.4	8
76	Ethyl acetate as solvent for the synthesis of poly(2-ethyl-2-oxazoline). Green Chemistry, 2020, 22, 1747-1753.	9.0	20
77	Nanofibers with a tunable wettability by electrospinning and physical crosslinking of poly(2-n-propyl-2-oxazoline). Materials and Design, 2020, 192, 108747.	7.0	28
78	POSS and fluorine containing nanostructured block copolymer; Synthesis via RAFT polymerization and its application as hydrophobic coating material. European Polymer Journal, 2020, 131, 109679.	5.4	12
79	Influence of the Aliphatic Side Chain on the Near Atmospheric Pressure Plasma Polymerization of 2-Alkyl-2-oxazolines for Biomedical Applications. ACS Applied Materials & Interfaces, 2019, 11, 31356-31366.	8.0	17
80	Visualization and design of the functional group distribution during statistical copolymerization. Nature Communications, 2019, 10, 3641.	12.8	46
81	Poly(2-amino-2-oxazoline)s: a new class of thermoresponsive polymers. Polymer Chemistry, 2019, 10, 4683-4689.	3.9	25
82	Full and Partial Amidation of Poly(methyl acrylate) as Basis for Functional Polyacrylamide (Co)Polymers. Macromolecules, 2019, 52, 5102-5109.	4.8	31
83	Oneâ€Step Covalent Immobilization of Î²â€Cyclodextrin on sp 2 Carbon Surfaces for Selective Trace Amount Probing of Guests. Advanced Functional Materials, 2019, 29, 1901488.	14.9	11
84	Hydrogen-Bonded Multilayer Thin Films and Capsules Based on Poly(2-n-propyl-2-oxazoline) and Tannic Acid: Investigation on Intermolecular Forces, Stability, and Permeability. Langmuir, 2019, 35, 14712-14724.	3.5	13
85	Supramolecular Competitive Hostâ€“Guest Interaction Induced Reversible Macromolecular Metamorphosis. Macromolecular Rapid Communications, 2019, 40, e1900376.	3.9	4
86	Poly(2-alkyl-2-oxazoline) electrode interlayers for improved n-type organic field effect transistor performance. Applied Physics Letters, 2019, 115, .	3.3	9
87	Covalent Poly(2â€Isopropenylâ€2â€Oxazoline) Hydrogels with Ultrahigh Mechanical Strength and Toughness through Secondary Terpyridine Metalâ€Coordination Crosslinks. Advanced Functional Materials, 2019, 29, 1904886.	14.9	60
88	The Influence of Preâ€Electrospinning Plasma Treatment on Physicochemical Characteristics of PLA Nanofibers. Macromolecular Materials and Engineering, 2019, 304, 1900391.	3.6	1
89	Influence of side-chain length on long-term release kinetics from poly(2-oxazoline)-drug conjugate networks. European Polymer Journal, 2019, 120, 109217.	5.4	18
90	Solvent-control over monomer distribution in the copolymerization of 2-oxazolines and the effect of a gradient structure on self-assembly. Polymer Chemistry, 2019, 10, 5116-5123.	3.9	12

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91	Poly(2-oxazoline)-protein conjugates. European Polymer Journal, 2019, 120, 109246.	5.4	33
92	Comparative study of the potential of poly(2-ethyl-2-oxazoline) as carrier in the formulation of amorphous solid dispersions of poorly soluble drugs. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 144, 79-90.	4.3	25
93	End-group functionalization of poly(2-oxazoline)s using methyl bromoacetate as initiator followed by direct amidation. European Polymer Journal, 2019, 120, 109273.	5.4	10
94	Striking Effect of Polymer End-Group on C₆₀ Nanoparticle Formation by High Shear Vibrational Milling with Alkyne-Functionalized Poly(2-oxazoline)s. ACS Macro Letters, 2019, 8, 172-176.	4.8	11
95	Synthesis of defined high molar mass poly(2-methyl-2-oxazoline). Polymer Chemistry, 2019, 10, 1286-1290.	3.9	28
96	Amidation of methyl ester side chain bearing poly(2-oxazoline)s with tyramine: a quest for a selective and quantitative approach. Polymer Chemistry, 2019, 10, 954-962.	3.9	29
97	Structure-property relationships for polycarboxylate ether superplasticizers by means of RAFT polymerization. Journal of Colloid and Interface Science, 2019, 553, 788-797.	9.4	36
98	Copper Curiosity: From Blue Blood to Click Chemistry. Australian Journal of Chemistry, 2019, 72, 490.	0.9	0
99	Unexpected Reactivity Switch in the Statistical Copolymerization of 2-Oxazolines and 2-Oxazines Enabling the One-Step Synthesis of Amphiphilic Gradient Copolymers. Journal of the American Chemical Society, 2019, 141, 9617-9622.	13.7	34
100	Macropropagation Rate Coefficients and Branching Levels in Cationic Ring-Opening Polymerization of 2-Ethyl-2-oxazoline through Prediction of Size Exclusion Chromatography Data. Macromolecules, 2019, 52, 4067-4078.	4.8	17
101	Thermoresponsive hydrogels formed by poly(2-oxazoline) triblock copolymers. Polymer Chemistry, 2019, 10, 3480-3487.	3.9	35
102	Microphase segregation and selective chain scission of poly(2â€methylâ€2â€oxazoline)â€blockâ€polystyrene. Journal of Polymer Science Part A, 2019, 57, 1349-1357.	2.3	5
103	A Synthetic, Transiently Thermoresponsive Homopolymer with UCST Behaviour within a Physiologically Relevant Window. Angewandte Chemie - International Edition, 2019, 58, 7866-7872.	13.8	38
104	Synthetisch hergestellte, transient thermoresponsive Homopolymere mit einer oberen kritischen LÃ¶sungstemperatur fÃ¼r physiologisch relevante Anwendungen. Angewandte Chemie, 2019, 131, 7948-7954.	2.0	3
105	Fundamental Studies on Poly(2-oxazoline) Side Chain Isomers Using Tandem Mass Spectrometry and Ion Mobility-Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 1220-1228.	2.8	7
106	Thermoresponsive DNA by Intercalation of dsDNA with Oligoethyleneâ€Glycolâ€Functionalized Smallâ€Molecule Intercalators. Macromolecular Rapid Communications, 2019, 40, e1800900.	3.9	0
107	Temperature-Responsive Polymers: Properties, Synthesis, and Applications. , 2019, , 13-44.		18
108	Poly(2-isopropenyl-2-oxazoline) as a Versatile Platform for Multi-Functional Materials. Proceedings (mdpi), 2019, 29, .	0.2	1

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109	Crosslinking of electrospun and bioextruded partially hydrolyzed poly(2-ethyl-2-oxazoline) using glutaraldehyde vapour. European Polymer Journal, 2019, 120, 109218.	5.4	13
110	Understanding the effect of monomer structure of oligoethylene glycol acrylate copolymers on their thermoresponsive behavior for the development of polymeric sensors. Polymer Chemistry, 2019, 10, 5778-5789.	3.9	17
111	Acyl guanidine functional poly(2â€oxazoline)s as reactive intermediates and stimuliâ€responsive materials. Journal of Polymer Science Part A, 2019, 57, 2616-2624.	2.3	17
112	Effect of crosslinking stage on photocrosslinking of benzophenone functionalized poly(2-ethyl-2-oxazoline) nanofibers obtained by aqueous electrospinning. European Polymer Journal, 2019, 112, 24-30.	5.4	32
113	New platinum(II) and palladium(II) complexes with substituted terpyridine ligands: synthesis and characterization, cytotoxicity and reactivity towards biomolecules. BioMetals, 2019, 32, 33-47.	4.1	13
114	Gas-Phase Dynamics of Collision Induced Unfolding, Collision Induced Dissociation, and Electron Transfer Dissociation-Activated Polymer Ions. Journal of the American Society for Mass Spectrometry, 2019, 30, 563-572.	2.8	7
115	Straightforward Route to Superhydrophilic Poly(2-oxazoline)s via Acylation of Well-Defined Polyethylenimine. Biomacromolecules, 2019, 20, 222-230.	5.4	36
116	Wellâ€Defined Thermoresponsive Polymethacrylamide Copolymers with Ester Pendent Groups through Oneâ€Pot Statistical Postpolymerization Modification of Poly(2â€isopropenylâ€2â€Oxazoline) with Multiple Carboxylic Acids. Journal of Polymer Science Part A, 2019, 57, 360-366.	2.3	10
117	Maleimide end-functionalized poly(2-oxazoline)s by the functional initiator route: synthesis and (bio)conjugation. RSC Advances, 2018, 8, 9471-9479.	3.6	19
118	Conformational properties of biocompatible poly(2-ethyl-2-oxazoline)s in phosphate buffered saline. Polymer Chemistry, 2018, 9, 2232-2237.	3.9	33
119	Oxidation of Monoterpenes Catalysed by a Waterâ€Soluble Mn^{III} PEGâ€Porphyrin in a Biphasic Medium. ChemCatChem, 2018, 10, 2804-2809.	3.7	9
120	Structural characterization of nanoparticles formed by fluorinated poly(2-oxazoline)-based polyphiles. European Polymer Journal, 2018, 99, 518-527.	5.4	11
121	Plasma dye coating as straightforward and widely applicable procedure for dye immobilization on polymeric materials. Nature Communications, 2018, 9, 1123.	12.8	25
122	Mechanochemical Preparation of Stable Subâ€100â€…nm Î³â€Cyclodextrin:Buckminsterfullerene (C60) Nanoparticles by Electrostatic or Steric Stabilization. Chemistry - A European Journal, 2018, 24, 2758-2766.	3.3	14
123	Fluorinated 2-Alkyl-2-oxazolines of High Reactivity: Spacer-Length-Induced Acceleration for Cationic Ring-Opening Polymerization As a Basis for Triphilic Block Copolymer Synthesis. ACS Macro Letters, 2018, 7, 7-10.	4.8	15
124	Poly(2â€oxazoline)s: A comprehensive overview of polymer structures and their physical properties. Polymer International, 2018, 67, 32-45.	3.1	183
125	The Elusive Seven-Membered Cyclic Imino Ether Tetrahydrooxazepine. Journal of the American Chemical Society, 2018, 140, 17404-17408.	13.7	18
126	Poly(2-isopropenyl-2-oxazoline) Hydrogels for Biomedical Applications. Chemistry of Materials, 2018, 30, 7938-7949.	6.7	37

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127	Defined High Molar Mass Poly(2â€Oxazoline)s. Angewandte Chemie, 2018, 130, 15626-15630.	2.0	6
128	Defined High Molar Mass Poly(2â€Oxazoline)s. Angewandte Chemie - International Edition, 2018, 57, 15400-15404.	13.8	68
129	Fabrication of PEOT/PBT Nanofibers by Atmospheric Pressure Plasma Jet Treatment of Electrospinning Solutions for Tissue Engineering. Macromolecular Bioscience, 2018, 18, e1800309.	4.1	18
130	Rethinking the impact of the protonable amine density on cationic polymers for gene delivery: A comparative study of partially hydrolyzed poly(2-ethyl-2-oxazoline)s and linear poly(ethylene imine)s. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 133, 112-121.	4.3	11
131	Biodegradable Amphipathic Peptide Hydrogels as Extended-Release System for Opioid Peptides. Journal of Medicinal Chemistry, 2018, 61, 9784-9789.	6.4	20
132	Full and partial hydrolysis of poly(2-oxazoline)s and the subsequent post-polymerization modification of the resulting polyethylenimine (co)polymers. Polymer Chemistry, 2018, 9, 4968-4978.	3.9	52
133	Poly(2-oxazoline)s with pendant cubane groups. Polymer Chemistry, 2018, 9, 4840-4847.	3.9	12
134	Poly(2-isopropenyl-2-oxazoline) as a versatile platform towards thermoresponsive copolymers. Polymer Chemistry, 2018, 9, 3473-3478.	3.9	36
135	Smart polymeric gels. , 2018, , 179-230.		2
136	Fluorophilicâ€“Lipophilicâ€“Hydrophilic Poly(2-oxazoline) Block Copolymers as MRI Contrast Agents: From Synthesis to Self-Assembly. Macromolecules, 2018, 51, 6047-6056.	4.8	18
137	Chemical Design of Nonâ€Ionic Polymer Brushes as Biointerfaces: Poly(2â€oxazine)s Outperform Both Poly(2â€oxazoline)s and PEG. Angewandte Chemie, 2018, 130, 11841-11846.	2.0	6
138	Chemical Design of Nonâ€Ionic Polymer Brushes as Biointerfaces: Poly(2â€oxazine)s Outperform Both Poly(2â€oxazoline)s and PEG. Angewandte Chemie - International Edition, 2018, 57, 11667-11672.	13.8	110
139	In Situ Cross-Linked Nanofibers by Aqueous Electrospinning of Selenol-Functionalized Poly(2-oxazoline)s. Macromolecules, 2018, 51, 6149-6156.	4.8	22
140	The Future of Polymer Science. Macromolecular Rapid Communications, 2018, 39, 1800458.	3.9	1
141	Poly(2â€oxazoline) Hydrogels: Stateâ€ofâ€theâ€Art and Emerging Applications. Macromolecular Bioscience, 2018, 18, e1800070.	4.1	70
142	Effects of a dielectric barrier discharge (DBD) treatment on chitosan/polyethylene oxide nanofibers and their cellular interactions. Carbohydrate Polymers, 2018, 201, 402-415.	10.2	26
143	Molecularly Imprinted Poly(2-oxazoline) Based on Cross-Linking by Direct Amidation of Methyl Ester Side Chains. Macromolecules, 2018, 51, 6468-6475.	4.8	19
144	Photocontrol in Complex Polymeric Materials: Fact or Illusion?. Angewandte Chemie - International Edition, 2018, 57, 7945-7947.	13.8	18

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145	Steuerung komplexer Polymermaterialien mit Licht: Wirklichkeit oder Illusion?. Angewandte Chemie, 2018, 130, 8073-8075.	2.0	1
146	Ultrathin Single Bilayer Separation Membranes Based on Hyperbranched Sulfonated Poly(aryleneoxindole). Advanced Functional Materials, 2017, 27, 1605068.	14.9	41
147	Thermoresponsive polymers with lower critical solution temperature: from fundamental aspects and measuring techniques to recommended turbidimetry conditions. Materials Horizons, 2017, 4, 109-116.	12.2	374
148	Injectable peptide-based hydrogel formulations for the extended inÂvivo release of opioids. Materials Today Chemistry, 2017, 3, 49-59.	3.5	23
149	The effect of ionizing radiation on biocompatible polymers: From sterilization to radiolysis and hydrogel formation. Polymer Degradation and Stability, 2017, 137, 1-10.	5.8	25
150	Cytotoxicity of polycations: Relationship of molecular weight and the hydrolytic theory of the mechanism of toxicity. International Journal of Pharmaceutics, 2017, 521, 249-258.	5.2	153
151	Poly(2-oxazoline) block copolymer nanoparticles for curcumin loading and delivery to cancer cells. European Polymer Journal, 2017, 93, 682-694.	5.4	36
152	In Vivo Imaging of the Stability and Sustained Cargo Release of an Injectable Amphipathic Peptide-Based Hydrogel. Biomacromolecules, 2017, 18, 994-1001.	5.4	25
153	Controlled Synthesis of Fluorinated Copolymers via Cobalt-Mediated Radical Copolymerization of Perfluorohexylethylene and Vinyl Acetate. Macromolecules, 2017, 50, 3750-3760.	4.8	30
154	Triple responsive block copolymers combining pHâ€responsive, thermoresponsive, and glucoseâ€responsive behaviors. Journal of Polymer Science Part A, 2017, 55, 2309-2317.	2.3	34
155	Cyclische Polymere: von einer wissenschaftlichen KuriositÃt zu modernen Materialien fÃ¼r die GenÃ¼bertragung und OberflÃchenmodifikation. Angewandte Chemie, 2017, 129, 7140-7142.	2.0	5
156	Cyclic Polymers: From Scientific Curiosity to Advanced Materials for Gene Delivery and Surface Modification. Angewandte Chemie - International Edition, 2017, 56, 7034-7036.	13.8	41
157	Thermoresponsive laterally-branched polythiophene phenylene derivative as water-soluble temperature sensor. Polymer Chemistry, 2017, 8, 4352-4358.	3.9	31
158	Supramolecular thermoplastics and thermoplastic elastomer materials with self-healing ability based on oligomeric charged triblock copolymers. NPG Asia Materials, 2017, 9, e385-e385.	7.9	30
159	RAFT/MADIX polymerization of N-vinylcaprolactam in waterâ€“ethanol solvent mixtures. Polymer Chemistry, 2017, 8, 2433-2437.	3.9	16
160	A Dibenzoazacyclooctyne as a Reactive Chain Stopper for [2]Rotaxanes. European Journal of Organic Chemistry, 2017, 2017, 3107-3113.	2.4	2
161	Hydrogen bonded capsules by layer-by-layer assembly of tannic acid and poly(2-n-propyl-2-oxazoline) for encapsulation and release of macromolecules. Journal of Materials Chemistry B, 2017, 5, 8967-8974.	5.8	25
162	Photoresponsive Polymers on the Move. CheM, 2017, 3, 533-536.	11.7	28

#	Article	IF	Citations
163	Repetitive on-demand drug release from polymeric matrices containing a macroscopic spherical iron core. Journal of Materials Science: Materials in Medicine, 2017, 28, 163.	3.6	7
164	Poly(2-ethyl-2-oxazoline) conjugates with doxorubicin for cancer therapy: InÂvitro and inÂvivo evaluation and direct comparison to poly[N-(2-hydroxypropyl)methacrylamide] analogues. Biomaterials, 2017, 146, 1-12.	11.4	84
165	Atmospheric Pressure Plasma Jet Treatment of Poly-Îµ-caprolactone Polymer Solutions To Improve Electrospinning. ACS Applied Materials & Interfaces, 2017, 9, 33080-33090.	8.0	24
166	Block and Gradient Copoly(2-oxazoline) Micelles: Strikingly Different on the Inside. Journal of Physical Chemistry Letters, 2017, 8, 3800-3804.	4.6	44
167	Colorimetric Nanofibers as Optical Sensors. Advanced Functional Materials, 2017, 27, 1702646.	14.9	96
168	Waterborne Electrospinning of Poly(N-isopropylacrylamide) by Control of Environmental Parameters. ACS Applied Materials & Interfaces, 2017, 9, 24100-24110.	8.0	29
169	A supramolecular miktoarm star polymer based on porphyrin metal complexation in water. Chemical Communications, 2017, 53, 8423-8426.	4.1	22
170	Next Generation Hemostatic Materials Based on NHS-Ester Functionalized Poly(2-oxazoline)s. Biomacromolecules, 2017, 18, 2529-2538.	5.4	70
171	Novel triphilic block copolymers based on poly(2-methyl-2-oxazoline)â€“blockâ€“poly(2-octyl-2-oxazoline) with different terminal perfluoroalkyl fragments: Synthesis and self-assembly behaviour. European Polymer Journal, 2017, 88, 645-655.	5.4	20
172	Aqueous electrospinning of poly(2-ethyl-2-oxazoline): Mapping the parameter space. European Polymer Journal, 2017, 88, 724-732.	5.4	22
173	The chemistry of poly(2-oxazoline)s. European Polymer Journal, 2017, 88, 451-469.	5.4	207
174	The Label Matters: Î¼PET Imaging of the Biodistribution of Low Molar Mass 89Zr and 18F-Labeled Poly(2-ethyl-2-oxazoline). Biomacromolecules, 2017, 18, 96-102.	5.4	32
175	Thermoresponsive poly(2-oxazoline)s, polypeptoids, and polypeptides. Polymer Chemistry, 2017, 8, 24-40.	3.9	228
176	One-Pot Synthesis of Charged Amphiphilic Diblock and Triblock Copolymers Via High-Throughput Cu(0)-Mediated Polymerization. Polymers, 2017, 9, 320.	4.5	4
177	Responsive Boronic Acid-Decorated (Co)polymers: From Glucose Sensors to Autonomous Drug Delivery. Sensors, 2016, 16, 1736.	3.8	28
178	Multiresponsive Behavior of Functional Poly(p-phenylene vinylene)s in Water. Polymers, 2016, 8, 365.	4.5	6
179	Revisiting the crystallization of poly(2-alkyl-2-oxazoline)s. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 721-729.	2.1	24
180	Saltâ€Driven Deposition of Thermoresponsive Polymerâ€Coated Metal Nanoparticles on Solid Substrates. Angewandte Chemie - International Edition, 2016, 55, 7086-7090.	13.8	17

#	Article	IF	Citations
181	Preparation of nonâ€spherical particles from amphiphilic block copolymers. Journal of Polymer Science Part A, 2016, 54, 750-757.	2.3	21
182	Synthesis and polymerization of boronic acid containing monomers. Polymer Chemistry, 2016, 7, 5484-5495.	3.9	72
183	Saltâ€Driven Deposition of Thermoresponsive Polymerâ€Coated Metal Nanoparticles on Solid Substrates. Angewandte Chemie, 2016, 128, 7202-7206.	2.0	9
184	Î¼PET imaging of the pharmacokinetic behavior of medium and high molar mass 89 Zr-labeled poly(2-ethyl-2-oxazoline) in comparison to poly(ethylene glycol). Journal of Controlled Release, 2016, 235, 63-71.	9.9	76
185	Multireactive Poly(2-oxazoline) Nanofibers through Electrospinning with Crosslinking on the Fly. ACS Macro Letters, 2016, 5, 676-681.	4.8	41
186	Supramolecular polymer networks: hydrogels and bulk materials. Chemical Society Reviews, 2016, 45, 4013-4031.	38.1	376
187	Tuning of Polymeric Nanoparticles by Coassembly of Thermoresponsive Polymers and a Double Hydrophilic Thermoresponsive Block Copolymer. Journal of Physical Chemistry B, 2016, 120, 4635-4643.	2.6	11
188	Upscaling Microwave-Assisted Polymerizations. Advances in Polymer Science, 2016, , 295-307.	0.8	2
189	Colorimetric Sensors: Dye Modification of Nanofibrous Silicon Oxide Membranes for Colorimetric HCl and NH3Sensing (Adv. Funct. Mater. 33/2016). Advanced Functional Materials, 2016, 26, 6136-6136.	14.9	3
190	Oneâ€Pot Automated Synthesis of Quasi Triblock Copolymers for Selfâ€Healing Physically Crosslinked Hydrogels. Macromolecular Rapid Communications, 2016, 37, 1682-1688.	3.9	17
191	Enhanced Bioactivity of Î±â€Tocopheryl Succinate Based Block Copolymer Nanoparticles by Reduced Hydrophobicity. Macromolecular Bioscience, 2016, 16, 1824-1837.	4.1	7
192	Recognitionâ€Mediated Hydrogel Swelling Controlled by Interaction with a Negative Thermoresponsive LCST Polymer. Angewandte Chemie - International Edition, 2016, 55, 13974-13978.	13.8	34
193	Partially Hydrolyzed Poly(n-propyl-2-oxazoline): Synthesis, Aqueous Solution Properties, and Preparation of Gene Delivery Systems. Biomacromolecules, 2016, 17, 3580-3590.	5.4	36
194	Synthesis of novel boronic acid-decorated poly(2-oxazoline)s showing triple-stimuli responsive behavior. Polymer Chemistry, 2016, 7, 6725-6734.	3.9	31
195	Ultra-high performance size-exclusion chromatography in polar solvents. Journal of Chromatography A, 2016, 1478, 43-49.	3.7	6
196	Side chain variations radically alter the diffusion of poly(2-alkyl-2-oxazoline) functionalised nanoparticles through a mucosal barrier. Biomaterials Science, 2016, 4, 1318-1327.	5.4	58
197	Dye Modification of Nanofibrous Silicon Oxide Membranes for Colorimetric HCl and NH₃ Sensing. Advanced Functional Materials, 2016, 26, 5987-5996.	14.9	61
198	Sweet Polymers: Poly(2-ethyl-2-oxazoline) Glycopolymers by Reductive Amination. Biomacromolecules, 2016, 17, 4027-4036.	5.4	16

#	Article	IF	Citations
199	Recognitionâ€Mediated Hydrogel Swelling Controlled by Interaction with a Negative Thermoresponsive LCST Polymer. Angewandte Chemie, 2016, 128, 14180-14184.	2.0	10
200	Synthesis of pHâ€•and thermoresponsive poly(2â€nâ€propylâ€2â€oxazoline) based copolymers. Journal of Polymer Science Part A, 2016, 54, 1573-1582.	2.3	38
201	Unexpected Switching of the Photogelation Chemistry When Cross-Linking Poly(2-oxazoline) Copolymers. Macromolecules, 2016, 49, 4774-4783.	4.8	34
202	Blend electrospinning of dye-functionalized chitosan and poly(Îµ-caprolactone): towards biocompatible pH-sensors. Journal of Materials Chemistry B, 2016, 4, 4507-4516.	5.8	58
203	Complexation of thermoresponsive dialkoxynaphthalene end-functionalized poly(oligoethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1C	3.9	21
204	Poly(N-isopropylacrylamide) coated gold nanoparticles as colourimetric temperature and salt sensors. Polymer Chemistry, 2016, 7, 1705-1710.	3.9	61
205	Poly(2-ethyl-2-oxazoline)-block-polycarbonate block copolymers: from improved end-group control in poly(2-oxazoline)s to chain extension with aliphatic polycarbonate through a fully metal-free ring-opening polymerisation process. Polymer Chemistry, 2016, 7, 1559-1568.	3.9	31
206	Halochromic properties of sulfonphthaleine dyes in a textile environment: The influence of substituents. Dyes and Pigments, 2016, 124, 249-257.	3.7	49
207	Hierarchically Structured Porous Poly(2â€oxazoline) Hydrogels. Macromolecular Rapid Communications, 2016, 37, 93-99.	3.9	33
208	Injectable peptide hydrogels for controlled-release of opioids. MedChemComm, 2016, 7, 542-549.	3.4	27
209	Controlled-release of opioids for improved pain management. Materials Today, 2016, 19, 491-502.	14.2	36
210	Mixed Î±/Î²-Peptides as a Class of Short Amphipathic Peptide Hydrogelators with Enhanced Proteolytic Stability. Biomacromolecules, 2016, 17, 437-445.	5.4	30
211	Poly(2-cycloalkyl-2-oxazoline)s: high melting temperature polymers solely based on Debye and Keesom van der Waals interactions. Polymer Chemistry, 2016, 7, 1309-1322.	3.9	19
212	Transiently Responsive Block Copolymer Micelles Based on N-(2-Hydroxypropyl)methacrylamide Engineered with Hydrolyzable Ethylcarbonate Side Chains. Biomacromolecules, 2016, 17, 119-127.	5.4	20
213	Redox-controlled upper critical solution temperature behaviour of a nitroxide containing polymer in alcoholâ€“water mixtures. Polymer Chemistry, 2016, 7, 1088-1095.	3.9	22
214	Î±-TOS-based RAFT block copolymers and their NPs for the treatment of cancer. Polymer Chemistry, 2016, 7, 838-850.	3.9	18
215	Carbohydrate-Based Initiators for the Cationic Ring-Opening Polymerization of 2-Ethyl-2-Oxazoline. Methods in Molecular Biology, 2016, 1367, 49-59.	0.9	1
216	Supramolecular control over thermoresponsive polymers. Materials Today, 2016, 19, 44-55.	14.2	83

#	Article	IF	Citations
217	Microwave-Assisted Cationic Ring-Opening Polymerization of 2-Oxazolines. Advances in Polymer Science, 2015, 274, 183-208.	0.8	23
218	Synthesis of poly(2â€oxazoline)s with side chain methyl ester functionalities: Detailed understanding of living copolymerization behavior of methyl ester containing monomers with 2â€alkylâ€2â€oxazolines. Journal of Polymer Science Part A, 2015, 53, 2649-2661.	2.3	43
219	Tailoring Cellular Uptake of Gold Nanoparticles Via the Hydrophilicâ€toâ€Hydrophobic Ratio of their (Co)polymer Coating. Advanced Functional Materials, 2015, 25, 3433-3439.	14.9	16
220	Gold Nanoparticles: Colorimetric Logic Gates Based on Poly(2â€alkylâ€2â€oxazoline)â€Coated Gold Nanoparticles (Adv. Funct. Mater. 17/2015). Advanced Functional Materials, 2015, 25, 2627-2627.	14.9	1
221	Acidâ€Labile Thermoresponsive Copolymers That Combine Fast pHâ€Triggered Hydrolysis and High Stability under Neutral Conditions. Angewandte Chemie - International Edition, 2015, 54, 10879-10883.	13.8	38
222	Mainâ€Chain Chiral Poly(2â€oxazoline)s: Influence of Alkyl Sideâ€Chain on Secondary Structure Formation in the Solid State. Macromolecular Symposia, 2015, 350, 43-54.	0.7	3
223	Reversible Calcium(II)â€Ion Binding through an Apparent pK_a Shift of Thermosensitive Blockâ€Copolymer Micelles. Angewandte Chemie - International Edition, 2015, 54, 14085-14089.	13.8	19
224	Thermal Properties of Methyl Ester-Containing Poly(2-oxazoline)s. Polymers, 2015, 7, 1998-2008.	4.5	31
225	Solution Polymeric Optical Temperature Sensors with Longâ€Term Memory Function Powered by Supramolecular Chemistry. Chemistry - A European Journal, 2015, 21, 1302-1311.	3.3	28
226	Thermoresponsive polymeric temperature sensors with broad sensing regimes. Polymer Chemistry, 2015, 6, 2396-2400.	3.9	26
227	Poly(2-oxazoline)s and click chemistry: A versatile toolbox toward multi-functional polymers. European Polymer Journal, 2015, 65, 98-111.	5.4	129
228	Tuning temperature responsive poly(2-alkyl-2-oxazoline)s by supramolecular hostâ€“guest interactions. Organic and Biomolecular Chemistry, 2015, 13, 3048-3057.	2.8	21
229	Dye immobilization in halochromic nanofibers through blend electrospinning of a dye-containing copolymer and polyamide-6. Polymer Chemistry, 2015, 6, 2685-2694.	3.9	45
230	Continuous poly(2-oxazoline) triblock copolymer synthesis in a microfluidic reactor cascade. Chemical Communications, 2015, 51, 11701-11704.	4.1	46
231	Functional Poly(2-oxazoline)s by Direct Amidation of Methyl Ester Side Chains. Macromolecules, 2015, 48, 3531-3538.	4.8	55
232	Thermoresponsive Interplay of Water Insoluble Poly(2-alkyl-2-oxazoline)s Composition and Supramolecular Hostâ€“Guest Interactions. International Journal of Molecular Sciences, 2015, 16, 7428-7444.	4.1	12
233	Sulfolane as Common Rate Accelerating Solvent for the Cationic Ring-Opening Polymerization of 2-Oxazolines. ACS Macro Letters, 2015, 4, 825-828.	4.8	39
234	Transiently responsive proteinâ€“polymer conjugates via a â€˜grafting-fromâ€™ RAFT approach for intracellular co-delivery of proteins and immune-modulators. Chemical Communications, 2015, 51, 13972-13975.	4.1	36

#	Article	IF	Citations
235	Systematic investigation of alkyl sulfonate initiators for the cationic ring-opening polymerization of 2-oxazolines revealing optimal combinations of monomers and initiators. European Polymer Journal, 2015, 65, 298-304.	5.4	63
236	Thermoresponsive polymer coated gold nanoparticles: from MADIX/RAFT copolymerization of N-vinylpyrrolidone and N-vinylcaprolactam to salt and temperature induced nanoparticle aggregation. RSC Advances, 2015, 5, 42388-42398.	3.6	24
237	Versatile side chain modification via isocyanide-based multicomponent reactions: tuning the LCST of poly(2-oxazoline)s. Polymer Chemistry, 2015, 6, 3828-3836.	3.9	39
238	Polymers with upper critical solution temperature behavior in alcohol/water solvent mixtures. Progress in Polymer Science, 2015, 48, 122-142.	24.7	173
239	One-Pot Preparation of Inert Well-Defined Polymers by RAFT Polymerization and In Situ End Group Transformation. Macromolecular Rapid Communications, 2015, 36, 1177-1183.	3.9	15
240	Schizophrenic thermoresponsive block copolymer micelles based on LCST and UCST behavior in ethanolâ€“water mixtures. European Polymer Journal, 2015, 69, 460-471.	5.4	25
241	Colorimetric Logic Gates Based on Poly(2â€alkylâ€2â€oxazoline)â€Coated Gold Nanoparticles. Advanced Functional Materials, 2015, 25, 2511-2519.	14.9	54
242	Model-Based Visualization and Understanding of Monomer Sequence Formation in Gradient Copoly(2-oxazoline)s On the basis of 2-Methyl-2-oxazoline and 2-Phenyl-2-oxazoline. Macromolecules, 2015, 48, 7765-7773.	4.8	33
243	Solvent-free mechanochemical synthesis of a bicyclononyne tosylate: a fast route towards bioorthogonal clickable poly(2-oxazoline)s. Polymer Chemistry, 2015, 6, 8354-8359.	3.9	29
244	High-Throughput Synthesis of Thermoresponsive Poly(oligoethylene glycol acrylate) Copolymers by RAFT Polymerization. ACS Symposium Series, 2015, , 63-77.	0.5	1
245	Tuning the LCST and UCST Thermoresponsive Behavior of Poly(N,Nâ€dimethylaminoethyl) Tj ETQq1 1 0.784314 rgBT Copolymerization. Macromolecular Rapid Communications, 2015, 36, 633-639.	3.9	49
246	Editorial: Precision polymer materials. European Polymer Journal, 2015, 62, 244-246.	5.4	0
247	Rational design of a hexapeptide hydrogelator for controlled-release drug delivery. Journal of Materials Chemistry B, 2015, 3, 759-765.	5.8	32
248	Degradable Ketal-Based Block Copolymer Nanoparticles for Anticancer Drug Delivery: A Systematic Evaluation. Biomacromolecules, 2015, 16, 336-350.	5.4	49
249	Polymer-protein conjugation via a â€˜grafting toâ€™ approach â€“ a comparative study of the performance of protein-reactive RAFT chain transfer agents. Polymer Chemistry, 2015, 6, 5602-5614.	3.9	56
250	UCST behavior of polyampholytes based on stoichiometric RAFT copolymerization of cationic and anionic monomers. Chemical Communications, 2015, 51, 70-73.	4.1	44
251	Linear polyethylenimine as (multi) functional initiator for organocatalytic l-lactide polymerization. Journal of Materials Chemistry B, 2015, 3, 612-619.	5.8	5
252	Accelerated living cationic ring-opening polymerization of a methyl ester functionalized 2-oxazoline monomer. Polymer Chemistry, 2015, 6, 514-518.	3.9	58

#	Article	IF	Citations
253	UV-tunable upper critical solution temperature behavior of azobenzene containing poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.4	32
254	Chapter 7. Polymeric Temperature Sensors. RSC Nanoscience and Nanotechnology, 2015, , 190-236.	0.2	1
255	Poly(2-oxazoline) hydrogels as next generation three-dimensional cell supports. Cell Adhesion and Migration, 2014, 8, 88-93.	2.7	27
256	InnenrÃ¼cktitelbild: Programmable Polymer-Based Supramolecular Temperature Sensor with a Memory Function (Angew. Chem. 20/2014). Angewandte Chemie, 2014, 126, 5315-5315.	2.0	0
257	Synthesis and Properties of Polyalkylenimines. RSC Polymer Chemistry Series, 2014, , 30-61.	0.2	3
258	RAFT Polymerization of 4â€Vinylphenylboronic Acid as the Basis for Micellar Sugar Sensors. Macromolecular Rapid Communications, 2014, 35, 214-220.	3.9	24
259	Straightforward RAFT Procedure for the Synthesis of Heterotelechelic Poly(acrylamide)s. Macromolecular Rapid Communications, 2014, 35, 405-411.	3.9	12
260	Layer-by-layer preparation of polyelectrolyte multilayer membranes for separation. Polymer Chemistry, 2014, 5, 1817-1831.	3.9	286
261	Dual pH- and temperature-responsive RAFT-based block co-polymer micelles and polymerâ€“protein conjugates with transient solubility. Polymer Chemistry, 2014, 5, 1140-1144.	3.9	59
262	The chemistry of tissue adhesive materials. Progress in Polymer Science, 2014, 39, 1375-1405.	24.7	337
263	Nanoporous Hydrogen Bonded Polymeric Microparticles: Facile and Economic Production of Cross Presentation Promoting Vaccine Carriers. Advanced Functional Materials, 2014, 24, 4634-4644.	14.9	41
264	Programmable Polymerâ€Based Supramolecular Temperature Sensor with a Memory Function. Angewandte Chemie - International Edition, 2014, 53, 5044-5048.	13.8	84
265	Cu(0)-mediated polymerization of hydrophobic acrylates using high-throughput experimentation. Polymer Chemistry, 2014, 5, 4268-4276.	3.9	25
266	Fast and accurate partial hydrolysis of poly(2-ethyl-2-oxazoline) into tailored linear polyethylenimine copolymers. Polymer Chemistry, 2014, 5, 4957-4964.	3.9	56
267	Hydrogen Bonded Multilayer Films Based on Poly(2â€oxazoline)s and Tannic Acid. Advanced Healthcare Materials, 2014, 3, 2040-2047.	7.6	44
268	Tuning the LCST of poly(2â€cyclopropylâ€2â€oxazoline) via gradient copolymerization with 2â€ethylâ€2â€oxazoline. Journal of Polymer Science Part A, 2014, 52, 3118-3122.	2.3	52
269	Thermoresponsive poly(oligo ethylene glycol acrylates). Progress in Polymer Science, 2014, 39, 1074-1095.	24.7	314
270	Verification of Selected Key Assumptions for the Analysis of Depthâ€Sensing Indentation Data. Macromolecular Materials and Engineering, 2013, 298, 78-88.	3.6	1

#	Article	IF	Citations
271	Cationic Ring-Opening Polymerization of 2-Propyl-2-oxazolines: Understanding Structural Effects on Polymerization Behavior Based on Molecular Modeling. ACS Macro Letters, 2013, 2, 651-654.	4.8	26
272	Poly(2-oxazoline) Hydrogels for Controlled Fibroblast Attachment. Biomacromolecules, 2013, 14, 2724-2732.	5.4	86
273	Hydrogen bonded polymeric multilayer films assembled below and above the cloud point temperature. Chemical Communications, 2013, 49, 9663.	4.1	29
274	A systematic investigation of the effect of side chain branching on the glass transition temperature and mechanical properties of aliphatic (co-)poly(2-oxazoline)s. Polymer, 2013, 54, 2036-2042.	3.8	20
275	Salt Plays a Pivotal Role in the Temperature-Responsive Aggregation and Layer-by-Layer Assembly of Polymer-Decorated Gold Nanoparticles. Chemistry of Materials, 2013, 25, 4297-4303.	6.7	67
276	Orthogonal self-assembly of stimuli-responsive supramolecular polymers using one-step prepared heterotelechelic building blocks. Polymer Chemistry, 2013, 4, 113-123.	3.9	35
277	A triple thermoresponsive schizophrenic diblock copolymer. Polymer Chemistry, 2013, 4, 4322.	3.9	63
278	Responsive biomimetic networks from polyisocyanopeptide hydrogels. Nature, 2013, 493, 651-655.	27.8	441
279	Multilayer films composed of a thermoresponsive cationic diblock copolymer and a photoresponsive dye. Polymer, 2013, 54, 4894-4901.	3.8	10
280	Structural modifications of polymethacrylates: Impact on thermal behavior and release characteristics of glassy solid solutions. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 1206-1214.	4.3	14
281	Block and Gradient Copolymers of 2-Hydroxyethyl Acrylate and 2-Methoxyethyl Acrylate via RAFT: Polymerization Kinetics, Thermoresponsive Properties, and Micellization. Macromolecules, 2013, 46, 1447-1460.	4.8	71
282	pH degradable dendron-functionalized poly(2-ethyl-2-oxazoline) prepared by a cascade â€œdouble-clickâ€• reaction. Polymer Chemistry, 2013, 4, 3236.	3.9	28
283	Thermoresponsive cyclic peptide â€“ poly(2-ethyl-2-oxazoline) conjugate nanotubes. Chemical Communications, 2013, 49, 6522.	4.1	42
284	Aqueous solution behavior of combâ€shaped poly(2â€ethylâ€2â€oxazoline). Journal of Polymer Science Part A, 2013, 51, 139-148.	2.3	45
285	Strongly Phase-Segregating Block Copolymers with Sub-20 nm Features. ACS Macro Letters, 2013, 2, 677-682.	4.8	25
286	Water Uptake of Poly(2-N-Alkyl-2-Oxazoline)s: Temperature-Dependent Fourier Transform Infrared (FT-IR) Spectroscopy and Two-Dimensional Correlation Analysis (2DCOS). Applied Spectroscopy, 2012, 66, 1145-1155.	2.2	15
287	Direct nitroxide mediated (co)polymerization of 4-vinylphenylboronic acid as route towards sugar sensors. Polymer Chemistry, 2012, 3, 1726-1729.	3.9	36
288	Polymeric multilayer capsules for drug delivery. Chemical Society Reviews, 2012, 41, 2867.	38.1	354

#	Article	IF	Citations
289	Hard Autonomous Selfâ€Healing Supramolecular Materialsâ€"A Contradiction in Terms?. Angewandte Chemie - International Edition, 2012, 51, 11942-11944.	13.8	72
290	First Symposium on Poly(2â€oxazoline)s and Related Pseudoâ€Polypeptide Structures. Macromolecular Chemistry and Physics, 2012, 213, 2669-2673.	2.2	0
291	Molar mass, chemical-composition, and functionality-type distributions of poly(2-oxazoline)s revealed by a variety of separation techniques. Journal of Chromatography A, 2012, 1265, 123-132.	3.7	7
292	Self-assembly of chiral block and gradient copolymers. Soft Matter, 2012, 8, 165-172.	2.7	31
293	Copolymers of 2-hydroxyethylacrylate and 2-methoxyethyl acrylate by nitroxide mediated polymerization: kinetics, SEC-ESI-MS analysis and thermoresponsive properties. Polymer Chemistry, 2012, 3, 335-342.	3.9	37
294	Repetitive on-demand drug release by magnetic heating of iron oxide containing polymeric implants. Soft Matter, 2012, 8, 1623-1627.	2.7	24
295	Thermoresponsive Poly(2-oxazoline) Block Copolymers Exhibiting Two Cloud Points: Complex Multistep Assembly Behavior. Macromolecules, 2012, 45, 4337-4345.	4.8	95
296	Screening for Modulatory Effects on Steroidogenesis Using the Human H295R Adrenocortical Cell Line: A Metabolomics Approach. Chemical Research in Toxicology, 2012, 25, 1720-1731.	3.3	50
297	Poly(2â€oxazoline) Hydrogel Monoliths via Thiolâ€ene Coupling. Macromolecular Rapid Communications, 2012, 33, 1695-1700.	3.9	75
298	Poly(2â€ethylâ€2â€oxazoline) as Matrix Excipient for Drug Formulation by Hot Melt Extrusion and Injection Molding. Macromolecular Rapid Communications, 2012, 33, 1701-1707.	3.9	33
299	Poly(2â€Oxazoline)s â€" Are They More Advantageous for Biomedical Applications Than Other Polymers?. Macromolecular Rapid Communications, 2012, 33, 1648-1662.	3.9	256
300	Sideâ€Chain Modification and â€œGrafting Ontoâ€via Olefin Crossâ€Metathesis. Macromolecular Rapid Communications, 2012, 33, 2023-2028.	3.9	20
301	Poly(2â€oxazoline)s and Related Pseudoâ€Polypeptides. Macromolecular Rapid Communications, 2012, 33, 1599-1599.	3.9	13
302	Unexpected radical polymerization behavior of oligo(2-ethyl-2-oxazoline) macromonomers. Polymer Chemistry, 2012, 3, 2976.	3.9	19
303	A Sugar Decorated Macromolecular Bottle Brush by Carbohydrate-Initiated Cationic Ring-Opening Polymerization. Macromolecules, 2012, 45, 46-55.	4.8	36
304	Block Copolymers of Poly(2-oxazoline)s and Poly(meth)acrylates: A Crossover between Cationic Ring-Opening Polymerization (CROP) and Reversible Additionâ€"Fragmentation Chain Transfer (RAFT). ACS Macro Letters, 2012, 1, 776-779.	4.8	51
305	Thermo-Induced Self-Assembly of Responsive Poly(DMAEMA-b-DEGMA) Block Copolymers into Multi- and Unilamellar Vesicles. Macromolecules, 2012, 45, 9292-9302.	4.8	129
306	Tuning the upper critical solution temperature behavior of poly(methyl methacrylate) in aqueous ethanol by modification of an activated ester comonomer. Polymer Chemistry, 2012, 3, 1418.	3.9	60

#	Article	IF	Citations
307	Partial Hydrolysis of Poly(2â€ethylâ€2â€oxazoline) and Potential Implications for Biomedical Applications?. Macromolecular Bioscience, 2012, 12, 1114-1123.	4.1	81
308	Metalloâ€Supramolecular Materials Based on Amineâ€Grafting Onto Polypentafluorostyrene. Macromolecular Rapid Communications, 2012, 33, 556-561.	3.9	24
309	Enhanced Selectivity for the Hydrolysis of Block Copoly(2â€oxazoline)s in Ethanolâ€“Water Resulting in Linear Poly(ethylene imine) Copolymers. Macromolecular Rapid Communications, 2012, 33, 827-832.	3.9	27
310	Amphiphilic oligoether-based ionic liquids as functional materials for thermoresponsive ion gels with tunable properties via aqueous gelation. Soft Matter, 2012, 8, 1025-1032.	2.7	26
311	Temperature responsive bio-compatible polymers based on poly(ethylene oxide) and poly(2-oxazoline)s. Progress in Polymer Science, 2012, 37, 686-714.	24.7	465
312	Thermoresponsive Poly(2â€oxazine)s. Macromolecular Rapid Communications, 2012, 33, 92-96.	3.9	95
313	Micellar dye shuttle between water and an ionic liquid. Soft Matter, 2011, 7, 3827.	2.7	27
314	Water uptake of poly(2-N-alkyl-2-oxazoline)s: influence of crystallinity and hydrogen-bonding on the mechanical properties. Journal of Materials Chemistry, 2011, 21, 17331.	6.7	27
315	Star-shaped Poly(2-oxazoline)s by Dendrimer Endcapping. Australian Journal of Chemistry, 2011, 64, 1026.	0.9	31
316	Responsive Glyco-poly(2-oxazoline)s: Synthesis, Cloud Point Tuning, and Lectin Binding. Biomacromolecules, 2011, 12, 2591-2600.	5.4	48
317	Efficient Cationic Ring-Opening Polymerization of Diverse Cyclic Imino Ethers: Unexpected Copolymerization Behavior. Macromolecules, 2011, 44, 4320-4325.	4.8	34
318	Poly(2-cyclopropyl-2-oxazoline): From Rate Acceleration by Cyclopropyl to Thermoresponsive Properties. Macromolecules, 2011, 44, 4057-4064.	4.8	78
319	Poly(2-oxazoline) glycopolymers with tunable LCST behavior. Polymer Chemistry, 2011, 2, 1737.	3.9	70
320	Aqueous polymeric sensors based on temperature-induced polymer phase transitions and solvatochromic dyes. Chemical Communications, 2011, 47, 8750.	4.1	161
321	Three-Fold Metal-Free Efficient (â€œClickâ€) Reactions onto a Multifunctional Poly(2-oxazoline) Designer Scaffold. Macromolecules, 2011, 44, 6424-6432.	4.8	94
322	Main-chain chiral copoly(2-oxazoline)s. Polymer Chemistry, 2011, 2, 203-208.	3.9	17
323	Selective partial hydrolysis of amphiphilic copoly(2-oxazoline)s as basis for temperature and pH responsive micelles. Polymer Chemistry, 2011, 2, 313-322.	3.9	42
324	Thermoresponsive giant biohybrid amphiphiles. Polymer Chemistry, 2011, 2, 333-340.	3.9	61

#	Article	IF	Citations
325	One-pot synthesis of cyclopentadienyl endcapped poly(2-ethyl-2-oxazoline) and subsequent ambient temperature Dielsâ€“Alder conjugations. Chemical Communications, 2011, 47, 10620.	4.1	30
326	Bioinspired Poly(2-oxazoline)s. Polymers, 2011, 3, 467-488.	4.5	127
327	Characterization of poly(2-oxazoline) homo- and copolymers by liquid chromatography at critical conditions. Journal of Chromatography A, 2011, 1218, 8370-8378.	3.7	30
328	Preparation of polyurethane elastomers (PUEs) in a highâ€throughput workflow. Journal of Polymer Science Part A, 2011, 49, 301-313.	2.3	5
329	Mainâ€chain chiral poly(2â€oxazoline)s: Influence of alkyl sideâ€chain on secondary structure formation in solution. Journal of Polymer Science Part A, 2011, 49, 2790-2801.	2.3	12
330	Upper critical solution temperature switchable micelles based on polystyreneâ€blockâ€poly(methyl) Tj ETQq0 0 0 rgBT /Overlock	2.3	20
331	Poly(cyclic imino ether)s Beyond 2â€Substitutedâ€2â€oxazolines. Macromolecular Rapid Communications, 2011, 32, 1419-1441.	3.9	44
332	A Green Approach for the Synthesis and Thiolâ€ene Modification of Alkene Functio1489lized Poly(2â€oxazoline)s. Macromolecular Rapid Communications, 2011, 32, 1484-1489.	3.9	51
333	Selfâ€Assembly of Poly(2â€alkylâ€2â€oxazoline)s by Crystallization in Ethanolâ€“Water Mixtures Below the Upper Critical Solution Temperature. Macromolecular Rapid Communications, 2011, 32, 1753-1758.	3.9	31
334	Macromol. Rapid Commun. 18/2011. Macromolecular Rapid Communications, 2011, 32, .	3.9	0
335	Temperatureâ€Switchable Assembly of Supramolecular Virusâ€“Polymer Complexes. Advanced Functional Materials, 2011, 21, 2012-2019.	14.9	49
336	Poly(2â€oxazoline)s based on fatty acids. European Journal of Lipid Science and Technology, 2011, 113, 59-71.	1.5	33
337	Thermal Properties of Oligo(2â€ethylâ€2â€oxazoline) Containing Comb and Graft Copolymers and their Aqueous Solutions. Macromolecular Symposia, 2011, 308, 17-24.	0.7	28
338	Recent developments in the utilization of green solvents in polymer chemistry. Chemical Society Reviews, 2010, 39, 3317.	38.1	187
339	Hydroxy functional acrylate and methacrylate monomers prepared via lipaseâ€”catalyzed transacylation reactions. Journal of Molecular Catalysis B: Enzymatic, 2010, 62, 80-89.	1.8	18
340	Poly(ethylene glycol) in Drug Delivery: Pros and Cons as Well as Potential Alternatives. Angewandte Chemie - International Edition, 2010, 49, 6288-6308.	13.8	2,857
341	Thiolâ€“Yne Chemistry: A Powerful Tool for Creating Highly Functional Materials. Angewandte Chemie - International Edition, 2010, 49, 3415-3417.	13.8	337
342	ESIâ€MS & MS/MS Analysis of Poly(2â€oxazoline)s with Different Side Groups. Macromolecular Chemistry and Physics, 2010, 211, 2312-2322.	2.2	16

#	Article	IF	Citations
343	Thermal, Mechanical, and Surface Properties of Poly(2â€Nâ€alkylâ€2â€oxazoline)s. Macromolecular Chemistry and Physics, 2010, 211, 2443-2448.	2.2	49
344	Supramolecular Starâ€Shaped Poly(ethylene glycol) Based on a [2â€‰Ã—â€‰2] Gridâ€Like Metal Complex. Macromolecular Rapid Communications, 2010, 31, 840-845.	3.9	10
345	The Effect of Hofmeister Salts on the LCST Transition of Poly(2â€oxazoline)s with Varying Hydrophilicity. Macromolecular Rapid Communications, 2010, 31, 724-728.	3.9	143
346	Multifunctional Poly(2â€oxazoline) Nanoparticles for Biological Applications. Macromolecular Rapid Communications, 2010, 31, 1869-1873.	3.9	67
347	Macromol. Rapid Commun. 9-10/2010. Macromolecular Rapid Communications, 2010, 31, n/a-n/a.	3.9	0
348	New terpyridine macroligands as potential synthons for supramolecular assemblies. European Polymer Journal, 2010, 46, 260-269.	5.4	21
349	Synthesis and MALDI-TOF-MS of PS-PMA and PMA-PS block copolymers. European Polymer Journal, 2010, 46, 1932-1939.	5.4	17
350	Kinetic study of the polymerization of aromatic polyurethane prepolymers by highâ€throughput experimentation. Journal of Polymer Science Part A, 2010, 48, 570-580.	2.3	20
351	Free radical and nitroxide mediated polymerization of hydroxyâ€“functional acrylates prepared via lipaseâ€“catalyzed transacylation reactions. Journal of Polymer Science Part A, 2010, 48, 2610-2621.	2.3	17
352	Multiple micellar morphologies from triâ€•and tetrablock copoly(2â€oxazoline)s in binary waterâ€“ethanol mixtures. Journal of Polymer Science Part A, 2010, 48, 3095-3102.	2.3	17
353	Design of new amphiphilic triblock copoly(2â€oxazoline)s containing a fluorinated segment. Journal of Polymer Science Part A, 2010, 48, 5100-5108.	2.3	26
354	Synthesis and crystal structures of multifunctional tosylates as basis for star-shaped poly(2-ethyl-2-oxazoline)s. Beilstein Journal of Organic Chemistry, 2010, 6, 773-783.	2.2	39
355	Hydroxy Functional Acrylates: Enzymatic Synthesis and Free Radical Polymerization. Macromolecular Symposia, 2010, 296, 49-52.	0.7	1
356	Temperature Induced Solubility Transitions of Various Poly(2-oxazoline)s in Ethanol-Water Solvent Mixtures. Polymers, 2010, 2, 188-199.	4.5	67
357	A Fluorescent Thermometer Based on a Pyrene-Labeled Thermoresponsive Polymer. Sensors, 2010, 10, 7979-7990.	3.8	63
358	Secondary structure formation of main-chain chiral poly(2-oxazoline)s in solution. Soft Matter, 2010, 6, 994.	2.7	28
359	Thermoreversible ionogels with tunable properties via aqueous gelation of an amphiphilic quaternary ammonium oligoether-based ionic liquid. Journal of Materials Chemistry, 2010, 20, 8279.	6.7	39
360	Demixing and Remixing Kinetics of Poly(2-isopropyl-2-oxazoline) (PIPOZ) Aqueous Solutions Studied by Modulated Temperature Differential Scanning Calorimetry. Macromolecules, 2010, 43, 6853-6860.	4.8	54

#	Article	IF	Citations
361	Linear poly(alkyl ethylene imine) with varying side chain length: synthesis and physical properties. Polymer Chemistry, 2010, 1, 747.	3.9	20
362	Thermoresponsive polyacrylates obtained via a cascade of enzymatic transacylation and FRP or NMP. Polymer Chemistry, 2010, 1, 878.	3.9	24
363	PMMA based soluble polymeric temperature sensors based on UCST transition and solvatochromic dyes. Polymer Chemistry, 2010, 1, 1005.	3.9	81
364	Clickable initiators, monomers and polymers in controlled radical polymerizations â€“ a prospective combination in polymer science. Polymer Chemistry, 2010, 1, 1560.	3.9	219
365	Solubility and Thermoresponsiveness of PMMA in Alcohol-Water Solvent Mixtures. Australian Journal of Chemistry, 2010, 63, 1173.	0.9	91
366	Ordered Chiral Structures in the Crystals of Main-Chain Chiral Poly(2-oxazoline)s. Macromolecules, 2010, 43, 4654-4659.	4.8	23
367	Rational Design of an Amorphous Poly(2-oxazoline) with a Low Glass-Transition Temperature: Monomer Synthesis, Copolymerization, and Properties. Macromolecules, 2010, 43, 4098-4104.	4.8	52
368	Unexpected metal-mediated oxidation of hydroxymethyl groups to coordinated carboxylate groups by bis-cyclometalated iridium(iii) centers. New Journal of Chemistry, 2010, 34, 2622.	2.8	16
369	Copolymerization of 2-Hydroxyethyl Acrylate and 2-Methoxyethyl Acrylate via RAFT: Kinetics and Thermoresponsive Properties. Macromolecules, 2010, 43, 7041-7047.	4.8	71
370	Dual Responsive Methacrylic Acid and Oligo(2-ethyl-2-oxazoline) Containing Graft Copolymers. Macromolecules, 2010, 43, 160-167.	4.8	97
371	Linear Poly(ethylene imine)s by Acidic Hydrolysis of Poly(2-oxazoline)s: Kinetic Screening, Thermal Properties, and Temperature-Induced Solubility Transitions. Macromolecules, 2010, 43, 927-933.	4.8	91
372	Influence of Distribution on the Heating of Superparamagnetic Iron Oxide Nanoparticles in Poly(methyl methacrylate) in an Alternating Magnetic Field. Journal of Physical Chemistry C, 2010, 114, 8144-8149.	3.1	16
373	Discovering new block terpolymer micellar morphologies. Chemical Communications, 2010, 46, 6455.	4.1	42
374	Aqueous gelation of ionic liquids: reverse thermoresponsive ion gels. Chemical Communications, 2010, 46, 6971.	4.1	48
375	2-[1-(1-Naphthyl)-1H-1,2,3-triazol-4-yl]pyridine. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1146-o1146.	0.2	3
376	Azido- and Ethynyl-Substituted 2,2â€²:6â€²,2â€²â€²-Terpyridines as Suitable Substrates for Click Reactions. Synthesis, 2009, 2009, 1506-1512.	2.3	8
377	High Temperature Initiator-Free RAFT Polymerization of Methyl Methacrylate in a Microwave Reactor. Australian Journal of Chemistry, 2009, 62, 254.	0.9	35
378	Microwave-Assisted Organic and Polymer Chemistry. Australian Journal of Chemistry, 2009, 62, 181.	0.9	15

#	Article	IF	Citations
379	Toward Main Chain Metalloâ€Terpyridyl Supramolecular Polymers: â€œThe Metal Does the Trickâ€• Macromolecular Rapid Communications, 2009, 30, 565-578.	3.9	105
380	Starâ€Shaped Polyacrylates: Highly Functionalized Architectures via CuAAC Click Conjugation. Macromolecular Rapid Communications, 2009, 30, 2049-2055.	3.9	38
381	Nitroxideâ€Mediated Copolymerization of 2â€Hydroxyethyl Acrylate and 2â€Hydroxypropyl Acrylate: Copolymerization Kinetics and Thermoresponsive Properties. Macromolecular Rapid Communications, 2009, 30, 2042-2048.	3.9	43
382	Macromol. Rapid Commun. 8/2009. Macromolecular Rapid Communications, 2009, 30, .	3.9	0
383	Click Chemistry beyond Metalâ€Catalyzed Cycloaddition. Angewandte Chemie - International Edition, 2009, 48, 4900-4908.	13.8	791
384	Soluble Polymeric Dual Sensor for Temperature and pHâ€…Value. Angewandte Chemie - International Edition, 2009, 48, 5653-5656.	13.8	150
385	Poly(2â€oxazoline)s: A Polymer Class with Numerous Potential Applications. Angewandte Chemie - International Edition, 2009, 48, 7978-7994.	13.8	762
386	Externally Triggered Glass Transition Switch for Localized Onâ€Demand Drug Delivery. Angewandte Chemie - International Edition, 2009, 48, 9867-9870.	13.8	40
387	Solubility behavior of amphiphilic block and random copolymers based on 2â€ethylâ€2â€oxazoline and 2â€nonylâ€2â€oxazoline in binary waterâ€“ethanol mixtures. Journal of Polymer Science Part A, 2009, 47, 515-522.	2.3	76
388	Unexpected reactivity for the RAFT copolymerization of oligo(ethylene glycol) methacrylates. Journal of Polymer Science Part A, 2009, 47, 2811-2820.	2.3	45
389	Solution prepolymerization as a new route for preparing aliphatic polyurethane prepolymers using highâ€throughput experimentation. Journal of Polymer Science Part A, 2009, 47, 3729-3739.	2.3	11
390	Synthesis and characterization of a series of diverse poly(2â€oxazoline)s. Journal of Polymer Science Part A, 2009, 47, 3829-3838.	2.3	62
391	Synthesis and properties of gradient copolymers based on 2â€phenylâ€2â€oxazoline and 2â€nonylâ€2â€oxazoline. Journal of Polymer Science Part A, 2009, 47, 6433-6440.	2.3	20
392	Are oâ€nitrobenzyl (meth)acrylate monomers polymerizable by controlledâ€radical polymerization?. Journal of Polymer Science Part A, 2009, 47, 6504-6513.	2.3	51
393	Surface micellization of poly(2-oxazoline)s based copolymers containing a crystallizable block. Journal of Colloid and Interface Science, 2009, 332, 91-95.	9.4	7
394	2â€(1â€‰Hâ€1,2,3â€Triazolâ€4â€yl)â€Pyridine Ligands as Alternatives to 2,2â€²â€Bipyridines in Ruthenium(II) Complexes. Chemistry - an Asian Journal, 2009, 4, 154-163.	3.3	89
395	Characterization and Magnetic Heating of Commercial Superparamagnetic Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 14638-14643.	3.1	28
396	Preparation of Methacrylate End-Functionalized Poly(2-ethyl-2-oxazoline) Macromonomers. Designed Monomers and Polymers, 2009, 12, 149-165.	1.6	53

#	Article	IF	Citations
397	A Versatile Approach to Unimolecular Water-Soluble Carriers: ATRP of PEGMA with Hydrophobic Star-Shaped Polymeric Core Molecules as an Alternative for PEGylation. Macromolecules, 2009, 42, 1808-1816.	4.8	84
398	Simplifying the Free-Radical Polymerization of Styrene: Microwave-Assisted High-Temperature Auto Polymerizations. Australian Journal of Chemistry, 2009, 62, 58.	0.9	23
399	Tailor Made Sideâ€Chain Functionalized Macromolecules by Combination of Controlled Radical Polymerization and Click Chemistry. Macromolecular Symposia, 2009, 275â€“276, 73-81.	0.7	21
400	Self-assembly of double hydrophobic block copolymers in waterâ€“ethanol mixtures: from micelles to thermoresponsive micellar gels. Chemical Communications, 2009, , 5582.	4.1	57
401	Screening the Synthesis of 2-Substituted-2-oxazolines. ACS Combinatorial Science, 2009, 11, 274-280.	3.3	57
402	2,2â€²:6â€²,2â€³-Terpyridine meets 2,6-bis(1H-1,2,3-triazol-4-yl)pyridine: tuning the electro-optical properties of ruthenium(ii) complexes. Dalton Transactions, 2009, , 787-794.	3.3	106
403	A schizophrenic gradient copolymer: switching and reversing poly(2-oxazoline) micelles based on UCST and subtle solvent changes. Soft Matter, 2009, 5, 3590.	2.7	76
404	Polymeric nanocontainers with high loading capacity of hydrophobic drugs. Soft Matter, 2009, 5, 1662.	2.7	46
405	Advanced supramolecular initiator for nitroxide-mediated polymerizations containing both metal-ion coordination and hydrogen-bonding sites. Chemical Communications, 2009, , 3386.	4.1	54
406	Correlating the mechanical and surface properties with the composition of triblock copoly(2-oxazoline)s. Journal of Materials Chemistry, 2009, 19, 222-229.	6.7	13
407	Self-organization of rodâ€“coil tri- and tetra-arm star metallo-supramolecular block copolymers in selective solvents. Soft Matter, 2009, 5, 2954.	2.7	28
408	Tuning the morphologies of amphiphilic metallo-supramolecular triblock terpolymers: from spherical micelles to switchable vesicles. Soft Matter, 2009, 5, 84-91.	2.7	73
409	Lower Critical Solution Temperature Behavior of Comb and Graft Shaped Poly[oligo(2-ethyl-2-oxazoline)methacrylate]s. Macromolecules, 2009, 42, 2965-2971.	4.8	137
410	Microwave-Assisted Chemistry: a Closer Look at Heating Efficiency. Australian Journal of Chemistry, 2009, 62, 236.	0.9	82
411	A Study of the Kinetic Hydrate Inhibitor Performance and Seawater Biodegradability of a Series of Poly(2-alkyl-2-oxazoline)s. Energy & Fuels, 2009, 23, 3665-3673.	5.1	93
412	Pore-covered thermoresponsive membranes for repeated on-demand drug release. Journal of Membrane Science, 2008, 322, 243-248.	8.2	47
413	Protocol for Automated Kinetic Investigation/Optimization of the RAFT Polymerization of Various Monomers. QSAR and Combinatorial Science, 2008, 27, 977-983.	1.4	37
414	Initiator effect on the cationic ringâ€opening copolymerization of 2â€ethylâ€2â€oxazoline and 2â€phenylâ€2â€oxazoline. Journal of Polymer Science Part A, 2008, 46, 4804-4816.	2.3	54

#	Article	IF	Citations
415	Amphiphilic gradient copolymers containing fluorinated 2â€phenylâ€2â€oxazolines: Microwaveâ€assisted oneâ€pot synthesis and selfâ€assembly in water. Journal of Polymer Science Part A, 2008, 46, 5859-5868.	2.3	37
416	Libraries of methacrylic acid and oligo(ethylene glycol) methacrylate copolymers with LCST behavior. Journal of Polymer Science Part A, 2008, 46, 7138-7147.	2.3	228
417	Acetyl Halide Initiator Screening for the Cationic Ringâ€Opening Polymerization of 2â€Ethylâ€2â€Oxazoline. Macromolecular Chemistry and Physics, 2008, 209, 794-800.	2.2	47
418	Clickable Poly(2â€Oxazoline)s as Versatile Building Blocks. Macromolecular Chemistry and Physics, 2008, 209, 1887-1895.	2.2	104
419	Thermosensitive and Switchable Terpyridineâ€Functionalized Metalloâ€Supramolecular Poly(Nâ€isopropylacrylamide). Macromolecular Rapid Communications, 2008, 29, 1640-1647.	3.9	60
420	Synthesis, Microwaveâ€Assisted Polymerization, and Polymer Properties of Fluorinated 2â€Phenylâ€2â€oxazolines: A Systematic Study. Chemistry - A European Journal, 2008, 14, 10396-10407.	3.3	39
421	Synthesis and characterization of poly(2-ethyl 2-oxazoline)-conjugates with proteins and drugs: Suitable alternatives to PEG-conjugates?. Journal of Controlled Release, 2008, 125, 87-95.	9.9	204
422	Synthesis of Poly(2-ethyl-2-oxazoline)-b-poly(styrene) Copolymers via a Dual Initiator Route Combining Cationic Ring-Opening Polymerization and Atom Transfer Radical Polymerization. Macromolecules, 2008, 41, 5210-5215.	4.8	58
423	Scaling-up the Synthesis of 1-Butyl-3-methylimidazolium Chloride under Microwave Irradiation. Australian Journal of Chemistry, 2008, 61, 197.	0.9	29
424	Solvent Responsive Micelles Based on Block and Gradient Copoly(2-oxazoline)s. Macromolecules, 2008, 41, 1581-1583.	4.8	73
425	Controlled thermoreversible transfer of poly(oxazoline) micelles between an ionic liquid and water. Chemical Communications, 2008, , 2753.	4.1	48
426	Tuning the LCST of poly(2-oxazoline)s by varying composition and molecular weight: alternatives to poly(N-isopropylacrylamide)?. Chemical Communications, 2008, , 5758.	4.1	336
427	Post-modification of poly(pentafluorostyrene): a versatile â€œclickâ€•method to create well-defined multifunctional graft copolymers. Chemical Communications, 2008, , 3516.	4.1	80
428	Asymmetrical supramolecular interactions as basis for complex responsive macromolecular architectures. Chemical Communications, 2008, , 155-162.	4.1	67
429	Tuning solution polymer properties by binary waterâ€“ethanolsolvent mixtures. Soft Matter, 2008, 4, 103-107.	2.7	110
430	Libraries of Statistical Hydroxypropyl Acrylate Containing Copolymers with LCST Properties Prepared by NMP. Macromolecules, 2008, 41, 5132-5140.	4.8	107
431	Relaxation Processes of Superparamagnetic Iron Oxide Nanoparticles in Liquid and Incorporated in Poly(methyl methacrylate). Journal of Physical Chemistry C, 2008, 112, 15643-15646.	3.1	11
432	Synthesis and Micellization of Coilâ^'Rodâ^'Coil Ruthenium(II) Terpyridine Assemblies. Macromolecules, 2008, 41, 8823-8831.	4.8	30

#	Article	IF	Citations
433	Synthesis and microwave assisted polymerization of fluorinated 2-phenyl-2-oxazolines: the fastest 2-oxazoline monomer to date. Chemical Communications, 2008, , 1458.	4.1	32
434	Ruthenium(II) Ions triggered direct supramolecular polymerization of bis-terpyridine poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.0	4
435	Synthesis and Copper(I) Complexation of 3,6-Di(2-pyridyl)pyridazine and 2,2â€²-Bipyridine Ligands Functionalized with a Dangling Iridium(III) Complex. Australian Journal of Chemistry, 2007, 60, 229.	0.9	5
436	Kinetic Investigations on Microwave-Assisted Statistical Terpolymerizations of 2-Oxazoline Monomers. Australian Journal of Chemistry, 2007, 60, 656.	0.9	12
437	Functional ruthenium(ii)- and iridium(iii)-containing polymers for potential electro-optical applications. Chemical Society Reviews, 2007, 36, 618-635.	38.1	191
438	Water uptake of hydrophilic polymers determined by a thermal gravimetric analyzer with a controlled humidity chamber. Journal of Materials Chemistry, 2007, 17, 4864.	6.7	119
439	Evaporation induced micellization of poly(2-oxazoline) multiblock copolymers on surfaces. Soft Matter, 2007, 3, 79-82.	2.7	16
440	Elastic moduli for a diblock copoly(2-oxazoline) library obtained by high-throughput screening. Journal of Materials Chemistry, 2007, 17, 2713.	6.7	27
441	Synthesis and Aqueous Micellization of Amphiphilic Tetrablock Ter- and Quarterpoly(2-oxazoline)s. Macromolecules, 2007, 40, 2837-2843.	4.8	69
442	Synthesis and Structureâ^'Property Relationships of Random and Block Copolymers:â€‰ A Direct Comparison for Copoly(2-oxazoline)s. Macromolecules, 2007, 40, 5879-5886.	4.8	72
443	Clicking polymers: a straightforward approach to novel macromolecular architectures. Chemical Society Reviews, 2007, 36, 1369.	38.1	736
444	Tunable pH- and Temperature-Sensitive Copolymer Libraries by Reversible Additionâ^'Fragmentation Chain Transfer Copolymerizations of Methacrylates. Macromolecules, 2007, 40, 915-920.	4.8	311
445	Poly(2-oxazoline)s: Alive and Kicking. Macromolecular Chemistry and Physics, 2007, 208, 18-25.	2.2	103
446	Micellization of Poly(2â€oxazoline)â€Based Quasiâ€Diblock Copolymers on Surfaces. Macromolecular Chemistry and Physics, 2007, 208, 2026-2031.	2.2	13
447	Microwave-Assisted Homogeneous Polymerizations in Water-Soluble Ionic Liquids: An Alternative and Green Approach for Polymer Synthesis. Macromolecular Rapid Communications, 2007, 28, 456-464.	3.9	67
448	Microwave-Assisted Polymer Synthesis: Recent Developments in a Rapidly Expanding Field of Research. Macromolecular Rapid Communications, 2007, 28, 368-386.	3.9	349
449	Scale-Up of Microwave-Assisted Polymerizations in Continuous-Flow Mode: Cationic Ring-Opening Polymerization of 2-Ethyl-2-oxazoline. Macromolecular Rapid Communications, 2007, 28, 484-491.	3.9	57
450	5rd DPI Workshop on Combinatorial and High-Throughput Experimentation in Polymer Science â€“Special Focus on Microwave Synthesis. Macromolecular Rapid Communications, 2007, 28, 509-513.	3.9	0

#	Article	IF	Citations
451	Special Issue on Microwaves & Polymers. Macromolecular Rapid Communications, 2007, 28, 367-367.	3.9	1
452	Cu(II)-Mediated ATRP of MMA by Using a Novel Tetradentate Amine Ligand with Oligo(ethylene glycol) Pendant Groups. Macromolecular Rapid Communications, 2007, 28, 1161-1166.	3.9	47
453	Homogeneous Tritylation of Cellulose in 1-Butyl-3-methylimidazolium Chloride. Macromolecular Bioscience, 2007, 7, 440-445.	4.1	162
454	3-(2,2â€²:6â€²,2â€²â€²-Terpyridin-4â€²-yloxy)propyl toluene-4-sulfonate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2311-o2313.	0.2	1
455	One-pot synthesis of 2-phenyl-2-oxazoline-containing quasi-diblock copoly(2-oxazoline)s under microwave irradiation. Journal of Polymer Science Part A, 2007, 45, 416-422.	2.3	75
456	Synthesis, characterization, and crossâ€linking of a library of statistical copolymers based on 2â€â€œsoy alkylâ€â€2â€oxazoline and 2â€ethylâ€2â€oxazoline. Journal of Polymer Science Part A, 2007, 45, 5371-5379.	2.3	22
457	Microwave-assisted cationic ring-opening polymerization of a soy-based 2-oxazoline monomer. Green Chemistry, 2006, 8, 895.	9.0	50
458	Fast and â€œgreenâ€•living cationic ring opening polymerization of 2-ethyl-2-oxazoline in ionic liquids under microwave irradiation. Chemical Communications, 2006, , 3797-3799.	4.1	87
459	Light-emitting iridium(iii) and ruthenium(ii) polypyridyl complexes containing quadruple hydrogen-bonding moieties. Dalton Transactions, 2006, , 1636-1644.	3.3	43
460	Synthesis of star-shaped poly(Îµ-caprolactone) via â€˜clickâ€™ chemistry and â€˜supramolecular clickâ€™ chemistry. Chemical Communications, 2006, , 4010-4012.	4.1	159
461	Solvent-Induced Morphological Transition in Core-Cross-Linked Block Copolymer Micelles. Journal of the American Chemical Society, 2006, 128, 3784-3788.	13.7	117
462	Tailor-Made Copolymers via Reversible Addition Fragmentation Chain Transfer the Fast Way. ACS Symposium Series, 2006, , 473-485.	0.5	4
463	Microwave-Assisted Cationic Ring-Opening Polymerization of 2-Oxazolines:Â A Powerful Method for the Synthesis of Amphiphilic Triblock Copolymers. Macromolecules, 2006, 39, 4719-4725.	4.8	131
464	The use of (metallo-)supramolecular initiators for living/controlled polymerization techniques. Chemical Society Reviews, 2006, 35, 622.	38.1	101
465	Microwave-Assisted Synthesis of 3,6-Di(pyridin-2-yl)pyridazines:Â Unexpected Ketone and Aldehyde Cycloadditions. Journal of Organic Chemistry, 2006, 71, 4903-4909.	3.2	32
466	High-Throughput Synthesis and Screening of a Library of Random and Gradient Copoly(2-oxazoline)s. ACS Combinatorial Science, 2006, 8, 145-148.	3.3	59
467	Optimization of the nitroxide-mediated radical polymerization conditions for styrene andtert-butyl acrylate in an automated parallel synthesizer. Journal of Polymer Science Part A, 2006, 44, 6202-6213.	2.3	55
468	High-throughput experimentation in synthetic polymer chemistry: From RAFT and anionic polymerizations to process development. Applied Surface Science, 2006, 252, 2555-2561.	6.1	52

#	Article	IF	Citations
469	Accelerated pressure synthesis and characterization of 2-oxazoline block copolymers. Polymer, 2006, 47, 75-84.	3.8	45
470	Grid Forming Metal Coordinating Macroligands: Synthesis and Complexation. ACS Symposium Series, 2006, , 63-71.	0.5	4
471	Microwave-assisted synthesis and micellization behavior of soy-based copoly(2-oxazoline)s. Colloid and Polymer Science, 2006, 284, 1313-1318.	2.1	23
472	Thermo-responsive Poly(methyl methacrylate)-block-poly(N-isopropylacrylamide) Block Copolymers Synthesized by RAFT Polymerization: Micellization and Gelation. Macromolecular Chemistry and Physics, 2006, 207, 1718-1726.	2.2	85
473	Morphologies of Spin-Coated Films of a Library of Diblock Copoly(2-oxazoline)s and Their Correlation to the Corresponding Surface Energies. Macromolecular Rapid Communications, 2006, 27, 405-411.	3.9	25
474	Scale-up of Microwave-Assisted Polymerizations in Batch Mode: The Cationic Ring-Opening Polymerization of 2-Ethyl-2-oxazoline. Macromolecular Rapid Communications, 2006, 27, 1556-1560.	3.9	45
475	A Green and Straightforward Synthesis of 4â€²-Substituted Terpyridines. Synthesis, 2006, 2006, 2873-2878.	2.3	14
476	Microwave Accelerated Polymerization of 2-Phenyl-2-oxazoline: Microwave or Temperature Effects?. Macromolecular Rapid Communications, 2005, 26, 1773-1778.	3.9	36
477	Ethyl 5,5â€²â€²-dimethyl-2,2â€²;6â€²,2â€²â€²-terpyridine-4â€²-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o4322-o4324.	0.2	0
478	Reversible Addition-Fragmentation Chain Transfer Polymerization on different Synthesizer Platforms. QSAR and Combinatorial Science, 2005, 24, 863-867.	1.4	23
479	Concentration effects in the cationic ring-opening polymerization of 2-ethyl-2-oxazoline inN,N-dimethylacetamide. Journal of Polymer Science Part A, 2005, 43, 1487-1497.	2.3	42
480	Combinatorial and high-throughput approaches in polymer science. Measurement Science and Technology, 2005, 16, 203-211.	2.6	50
481	High-throughput synthesis equipment applied to polymer research. Review of Scientific Instruments, 2005, 76, 062202.	1.3	29
482	Microwave-assisted nitroxide-mediated polymerization of alkyl acrylates. E-Polymers, 2005, 5, .	3.0	6
483	Accelerating the Living Polymerization of 2-Nonyl-2-oxazoline by Implementing a Microwave Synthesizer into a High-Throughput Experimentation Workflow. ACS Combinatorial Science, 2005, 7, 10-13.	3.3	73
484	Microwave-assisted synthesis and properties of a series of poly(2-alkyl-2-oxazoline)s. Designed Monomers and Polymers, 2005, 8, 659-671.	1.6	152
485	High Molecular Weight Supramolecular Polymers Containing Both Terpyridine Metal Complexes and Ureidopyrimidinone Quadruple Hydrogen-Bonding Units in the Main Chain. Journal of the American Chemical Society, 2005, 127, 2913-2921.	13.7	234
486	RAFT Polymerization of 1-Ethoxyethyl Acrylate:â€‰ A Novel Route toward Near-Monodisperse Poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock	4.8	67

#	Article	IF	Citations
487	Investigation of the Living Cationic Ring-Opening Polymerization of 2-Methyl-, 2-Ethyl-, 2-Nonyl-, and 2-Phenyl-2-oxazoline in a Single-Mode Microwave Reactorâ€. Macromolecules, 2005, 38, 5025-5034.	4.8	264
488	Microwave-Assisted Synthesis of a 42-Membered Library of Diblock Copoly(2-oxazoline)s and Chain-Extended Homo Poly(2-oxazoline)s and Their Thermal Characterization. Macromolecules, 2005, 38, 7957-7966.	4.8	135
489	The Introduction of High-Throughput Experimentation Methods for Suzukiâ€“Miyaura Coupling Reactions in University Education. Journal of Chemical Education, 2005, 82, 1693.	2.3	18
490	Synthesis of an Isocyanate-Functionalized Terpyridine as Building Block for Metallo-Supramolecular Polymers. Synlett, 2004, 2004, 1779-1783.	1.8	0
491	Parallel kinetic investigation of 2-oxazoline polymerizations with different initiators as basis for designed copolymer synthesis. Journal of Polymer Science Part A, 2004, 42, 1830-1840.	2.3	107
492	Mixed iridium(III) and ruthenium(II) polypyridyl complexes containing poly(?-caprolactone)-bipyridine macroligands. Journal of Polymer Science Part A, 2004, 42, 4153-4160.	2.3	55
493	Automated parallel investigations/optimizations of the reversible addition-fragmentation chain transfer polymerization of methyl methacrylate. Journal of Polymer Science Part A, 2004, 42, 5775-5783.	2.3	57
494	Combinatorial Methods, Automated Synthesis and High-Throughput Screening in Polymer Research: The Evolution Continues. Macromolecular Rapid Communications, 2004, 25, 21-33.	3.9	116
495	High-Throughput Investigation of Polymerization Kinetics by Online Monitoring of GPC and GC. Macromolecular Rapid Communications, 2004, 25, 237-242.	3.9	52
496	The Effect of Temperature on the Living Cationic Polymerization of 2-Phenyl-2-oxazoline Explored Utilizing an Automated Synthesizer. Macromolecular Rapid Communications, 2004, 25, 339-343.	3.9	49
497	A Mixed Ruthenium Polypyridyl Complex Containing a PEG-Bipyridine Macroligand. Macromolecular Rapid Communications, 2004, 25, 793-798.	3.9	36
498	Microwave-Assisted Polymer Synthesis: State-of-the-Art and Future Perspectives. Macromolecular Rapid Communications, 2004, 25, 1739-1764.	3.9	451
499	Single-Mode Microwave Ovens as New Reaction Devices: Accelerating the Living Polymerization of 2-Ethyl-2-Oxazoline. Macromolecular Rapid Communications, 2004, 25, 1895-1899.	3.9	178
500	Characterization of a Poly(2-oxazoline) Library by High-Throughput, Automated Contact-Angle Measurements and Surface-Energy Calculations. Macromolecular Rapid Communications, 2004, 25, 1958-1962.	3.9	40
501	Synthesis, complete characterization, and enantioselective electrokinetic separation of functionalized ruthenium complex enantiomers. Chirality, 2004, 16, 363-368.	2.6	13
502	Terpyridine - Ruthenium Complexes as Building Blocks for New Metallo-Supramolecular Architectures. Australian Journal of Chemistry, 2004, 57, 419.	0.9	28
503	Synthesis and Characterization of Novel Substituted 3,6-Di(2-pyridyl)pyridazine Metal-Coordinating Ligands. European Journal of Organic Chemistry, 2003, 2003, 4887-4896.	2.4	50
504	Application of a Parallel Synthetic Approach in Atom-Transfer Radical Polymerization: Set-Up and Feasibility Demonstration. Macromolecular Rapid Communications, 2003, 24, 81-86.	3.9	50

#	Article	IF	Citations
505	Living Cationic Polymerizations Utilizing an Automated Synthesizer: High-Throughput Synthesis of Polyoxazolines. Macromolecular Rapid Communications, 2003, 24, 92-97.	3.9	71
506	Combinatorial Methods, Automated Synthesis and High-Throughput Screening in Polymer Research: Past and Present. Macromolecular Rapid Communications, 2003, 24, 15-32.	3.9	178
507	Automated Parallel Temperature Optimization and Determination of Activation Energy for the Living Cationic Polymerization of 2-Ethyl-2-oxazoline. Macromolecular Rapid Communications, 2003, 24, 98-103.	3.9	54
508	The fast and the curious: High-throughput experimentation in synthetic polymer chemistry. Journal of Polymer Science Part A, 2003, 41, 2425-2434.	2.3	45
509	Terpyridine-based silica supports prepared by ring-opening metathesis polymerization for the selective extraction of noble metals. Journal of Chromatography A, 2003, 1015, 65-71.	3.7	13
510	Automated MALDI-TOF-MS Sample Preparation in Combinatorial Polymer Research. ACS Combinatorial Science, 2003, 5, 369-374.	3.3	41
511	l-Lactide Polymerization Utilizing a Hydroxy-Functionalized 3,6-Bis(2-pyridyl)pyridazine as Supramolecular (Co)initiator:â€‰ Construction of Polymeric [2 Ã— 2] Grids. Macromolecules, 2003, 36, 4743-4749.	4.8	45
512	Combinatorial methods and high-throughput experimentation in synthetic polymer chemistry. Materials Research Society Symposia Proceedings, 2003, 804, 7.	0.1	0
513	Atom Transfer Radical Polymerization of Methyl Methacrylate Utilizing an Automated Synthesizer. ACS Symposium Series, 2003, , 193-205.	0.5	11
514	Fabrication of Organicâ“Inorganic Semiconductor Composites Utilizing the Different Aggregation States of a Single Amphiphilic Dendrimer. Langmuir, 2002, 18, 2571-2576.	3.5	24
515	Mechanism insights in controlling hostâ€“guest (de)complexation by thermoresponsive polymer phase transitions. Polymer Chemistry, 0, , .	3.9	1
516	Poly(2â€•n â€propylâ€2â€oxazoline) Surface Modified Quartz Crystal Microbalance Sensor for Highly Sensitive Detection of Alkali Cyanides, Alkali Chlorides, and Other Ionic Species in Water. Advanced Materials Interfaces, 0, , 2200135.	3.7	0