Richard Hoogenboom

List of Publications by Citations

511 papers	25,510 citations	72 h-index	139 g-index
562 ext. papers	28,070 ext. citations	6.6 avg, IF	7.59 L-index

#	Paper	IF	Citations
511	Poly(ethylene glycol) in drug delivery: pros and cons as well as potential alternatives. *Angewandte Chemie - International Edition*, **2010**, 49, 6288-308	16.4	2431
510	Click chemistry beyond metal-catalyzed cycloaddition. *Angewandte Chemie - International Edition*, **2009**, 48, 4900-8	16.4	732
509	Clicking polymers: a straightforward approach to novel macromolecular architectures. *Chemical Society Reviews*, **2007**, 36, 1369-80	58.5	696
508	Poly(2-oxazoline)s: a polymer class with numerous potential applications. *Angewandte Chemie - International Edition*, **2009**, 48, 7978-94	16.4	684
507	Temperature responsive bio-compatible polymers based on poly(ethylene oxide) and poly(2-oxazoline)s. *Progress in Polymer Science*, **2012**, 37, 686-714	29.6	419
506	Microwave-Assisted Polymer Synthesis: State-of-the-Art and Future Perspectives. *Macromolecular Rapid Communications*, **2004**, 25, 1739-1764	4.8	410
505	Responsive biomimetic networks from polyisocyanopeptide hydrogels. *Nature*, **2013**, 493, 651-5	50.4	346
504	Polymeric multilayer capsules for drug delivery. *Chemical Society Reviews*, **2012**, 41, 2867-84	58.5	318
503	Microwave-Assisted Polymer Synthesis: Recent Developments in a Rapidly Expanding Field of Research. *Macromolecular Rapid Communications*, **2007**, 28, 368-386	4.8	318
502	Thiol-yne chemistry: a powerful tool for creating highly functional materials. *Angewandte Chemie - International Edition*, **2010**, 49, 3415-7	16.4	294
501	Tunable pH- and Temperature-Sensitive Copolymer Libraries by Reversible Addition−Fragmentation Chain Transfer Copolymerizations of Methacrylates. *Macromolecules*, **2007**, 40, 915-920	5.5	288
500	Tuning the LCST of poly(2-oxazoline)s by varying composition and molecular weight: alternatives to poly(N-isopropylacrylamide)?. *Chemical Communications*, **2008**, 5758-60	5.8	284
499	Thermoresponsive poly(oligo ethylene glycol acrylates). *Progress in Polymer Science*, **2014**, 39, 1074-1095	29.6	269
498	The chemistry of tissue adhesive materials. *Progress in Polymer Science*, **2014**, 39, 1375-1405	29.6	268
497	Supramolecular polymer networks: hydrogels and bulk materials. *Chemical Society Reviews*, **2016**, 45, 4013-31	58.5	259
496	Thermoresponsive polymers with lower critical solution temperature: from fundamental aspects and measuring techniques to recommended turbidimetry conditions. *Materials Horizons*, **2017**, 4, 109-116	14.4	246
495	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 Reactor *Macromolecules*, **2005**, 38, 5025-5034	5.5	240

494	Layer-by-layer preparation of polyelectrolyte multilayer membranes for separation. *Polymer Chemistry*, **2014**, 5, 1817-1831	4.9	233
493	Poly(2-oxazoline)s--are they more advantageous for biomedical applications than other polymers?. *Macromolecular Rapid Communications*, **2012**, 33, 1648-62	4.8	221
492	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, 2913-21	16.4	220
491	Clickable initiators, monomers and polymers in controlled radical polymerizations — a prospective combination in polymer science. *Polymer Chemistry*, **2010**, 1, 1560	4.9	209
490	Libraries of methacrylic acid and oligo(ethylene glycol) methacrylate copolymers with LCST behavior. *Journal of Polymer Science Part A*, **2008**, 46, 7138-7147	2.5	205
489	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	11.7	187
488	Functional ruthenium(II)- and iridium(III)-containing polymers for potential electro-optical applications. *Chemical Society Reviews*, **2007**, 36, 618-35	58.5	177
487	Thermoresponsive poly(2-oxazoline)s, polypeptoids, and polypeptides. *Polymer Chemistry*, **2017**, 8, 24-40	4.9	171
486	Single-Mode Microwave Ovens as New Reaction Devices: Accelerating the Living Polymerization of 2-Ethyl-2-Oxazoline. *Macromolecular Rapid Communications*, **2004**, 25, 1895-1899	4.8	169
485	Recent developments in the utilization of green solvents in polymer chemistry. *Chemical Society Reviews*, **2010**, 39, 3317-33	58.5	167
484	The chemistry of poly(2-oxazoline)s. *European Polymer Journal*, **2017**, 88, 451-469	5.2	156
483	Synthesis of star-shaped poly(epsilon-caprolactone) via'click' chemistry and 'supramolecular click' chemistry. *Chemical Communications*, **2006**, 4010-2	5.8	152
482	Aqueous polymeric sensors based on temperature-induced polymer phase transitions and solvatochromic dyes. *Chemical Communications*, **2011**, 47, 8750-65	5.8	143
481	Combinatorial Methods, Automated Synthesis and High-Throughput Screening in Polymer Research: Past and Present. *Macromolecular Rapid Communications*, **2003**, 24, 15-32	4.8	141
480	Soluble polymeric dual sensor for temperature and pH value. *Angewandte Chemie - International Edition*, **2009**, 48, 5653-6	16.4	140
479	Microwave-assisted synthesis and properties of a series of poly(2-alkyl-2-oxazoline)s. *Designed Monomers and Polymers*, **2005**, 8, 659-671	3.1	140
478	Polymers with upper critical solution temperature behavior in alcohol/water solvent mixtures. *Progress in Polymer Science*, **2015**, 48, 122-142	29.6	139
477	Homogeneous tritylation of cellulose in 1-butyl-3-methylimidazolium chloride. *Macromolecular Bioscience*, **2007**, 7, 440-5	5.5	139

476	Poly(2-oxazoline)s: A comprehensive overview of polymer structures and their physical properties. *Polymer International*, **2018**, 67, 32-45	3.3	132
475	Lower Critical Solution Temperature Behavior of Comb and Graft Shaped Poly[oligo(2-ethyl-2-oxazoline)methacrylate]s. *Macromolecules*, **2009**, 42, 2965-2971	5.5	128
474	The Effect of Hofmeister Salts on the LCST Transition of Poly(2-oxazoline)s with Varying Hydrophilicity. *Macromolecular Rapid Communications*, **2010**, 31, 724-8	4.8	126
473	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	5.5	124
472	Thermo-Induced Self-Assembly of Responsive Poly(DMAEMA-b-DEGMA) Block Copolymers into Multi- and Unilamellar Vesicles. *Macromolecules*, **2012**, 45, 9292-9302	5.5	123
471	Microwave-Assisted Cationic Ring-Opening Polymerization of 2-Oxazolines: A Powerful Method for the Synthesis of Amphiphilic Triblock Copolymers. *Macromolecules*, **2006**, 39, 4719-4725	5.5	122
470	Bioinspired Poly(2-oxazoline)s. *Polymers*, **2011**, 3, 467-488	4.5	117
469	Poly(2-oxazoline)s and click chemistry: A versatile toolbox toward multi-functional polymers. *European Polymer Journal*, **2015**, 65, 98-111	5.2	111
468	Solvent-induced morphological transition in core-cross-linked block copolymer micelles. *Journal of the American Chemical Society*, **2006**, 128, 3784-8	16.4	110
467	Anwendung von Poly(ethylenglycol) beim Wirkstoff-Transport: Vorteile, Nachteile und Alternativen. *Angewandte Chemie*, **2010**, 122, 6430-6452	3.6	106
466	Combinatorial Methods, Automated Synthesis and High-Throughput Screening in Polymer Research: The Evolution Continues. *Macromolecular Rapid Communications*, **2004**, 25, 21-33	4.8	106
465	Klick-Chemie jenseits von metallkatalysierten Cycloadditionen. *Angewandte Chemie*, **2009**, 121, 4998-5006	3.6	105
464	2,2':6',2''-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**, 787-94	4.3	104
463	Tuning solution polymer properties by binary -solvent mixtures. *Soft Matter*, **2007**, 4, 103-107	3.6	102
462	Libraries of Statistical Hydroxypropyl Acrylate Containing Copolymers with LCST Properties Prepared by NMP. *Macromolecules*, **2008**, 41, 5132-5140	5.5	102
461	Water uptake of hydrophilic polymers determined by a thermal gravimetric analyzer with a controlled humidity chamber. *Journal of Materials Chemistry*, **2007**, 17, 4864		102
460	Clickable Poly(2-Oxazoline)s as Versatile Building Blocks. *Macromolecular Chemistry and Physics*, **2008**, 209, 1887-1895	2.6	98
459	Poly(2-oxazoline)s: Alive and Kicking. *Macromolecular Chemistry and Physics*, **2007**, 208, 18-25	2.6	97

458	The use of (metallo-)supramolecular initiators for living/controlled polymerization techniques. *Chemical Society Reviews*, **2006**, 35, 622-9	58.5	96
457	Toward main chain metallo-terpyridyl supramolecular polymers: "the metal does the trick". *Macromolecular Rapid Communications*, **2009**, 30, 565-78	4.8	93
456	Dual Responsive Methacrylic Acid and Oligo(2-ethyl-2-oxazoline) Containing Graft Copolymers. *Macromolecules*, **2010**, 43, 160-167	5.5	91
455	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	2.5	91
454	Three-Fold Metal-Free Efficient (Click) Reactions onto a Multifunctional Poly(2-oxazoline) Designer Scaffold. *Macromolecules*, **2011**, 44, 6424-6432	5.5	90
453	Cytotoxicity of polycations: Relationship of molecular weight and the hydrolytic theory of the mechanism of toxicity. *International Journal of Pharmaceutics*, **2017**, 521, 249-258	6.5	88
452	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	4.1	88
451	Thermoresponsive Poly(2-oxazoline) Block Copolymers Exhibiting Two Cloud Points: Complex Multistep Assembly Behavior. *Macromolecules*, **2012**, 45, 4337-4345	5.5	87
450	2-(1H-1,2,3-triazol-4-yl)-pyridine ligands as alternatives to 2,2'-bipyridines in ruthenium(II) complexes. *Chemistry - an Asian Journal*, **2009**, 4, 154-63	4.5	86
449	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	2.6	79
448	Poly(2-oxazoline) hydrogels for controlled fibroblast attachment. *Biomacromolecules*, **2013**, 14, 2724-32	6.9	78
447	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	5.5	78
446	PMMA based soluble polymeric temperature sensors based on UCST transition and solvatochromic dyes. *Polymer Chemistry*, **2010**, 1, 1005	4.9	76
445	Solubility and Thermoresponsiveness of PMMA in Alcohol-Water Solvent Mixtures. *Australian Journal of Chemistry*, **2010**, 63, 1173	1.2	76
444	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	5.5	76
443	Fast and "green" living cationic ring opening polymerization of 2-ethyl-2-oxazoline in ionic liquids under microwave irradiation. *Chemical Communications*, **2006**, 3797-9	5.8	76
442	Chemical Design of Non-Ionic Polymer Brushes as Biointerfaces: Poly(2-oxazine)s Outperform Both Poly(2-oxazoline)s and PEG. *Angewandte Chemie - International Edition*, **2018**, 57, 11667-11672	16.4	75
441	Supramolecular control over thermoresponsive polymers. *Materials Today*, **2016**, 19, 44-55	21.8	74

440	Programmable polymer-based supramolecular temperature sensor with a memory function. *Angewandte Chemie - International Edition*, **2014**, 53, 5044-8	16.4	74
439	Post-modification of poly(pentafluorostyrene): a versatile "click" method to create well-defined multifunctional graft copolymers. *Chemical Communications*, **2008**, 3516-8	5.8	72
438	Thermoresponsive poly(2-oxazine)s. *Macromolecular Rapid Communications*, **2012**, 33, 92-6	4.8	71
437	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	2.5	70
436	Tuning the morphologies of amphiphilic metallo-supramolecular triblock terpolymers: from spherical micelles to switchable vesicles. *Soft Matter*, **2009**, 5, 84-91	3.6	69
435	Poly(2-ethyl-2-oxazoline) conjugates with doxorubicin for cancer therapy: In vitro and in vivo evaluation and direct comparison to poly[N-(2-hydroxypropyl)methacrylamide] analogues. *Biomaterials*, **2017**, 146, 1-12	15.6	67
434	A schizophrenic gradient copolymer: switching and reversing poly(2-oxazoline) micelles based on UCST and subtle solvent changes. *Soft Matter*, **2009**, 5, 3590	3.6	67
433	Microwave-Assisted Chemistry: a Closer Look at Heating Efficiency. *Australian Journal of Chemistry*, **2009**, 62, 236	1.2	67
432	Solvent Responsive Micelles Based on Block and Gradient Copoly(2-oxazoline)s. *Macromolecules*, **2008**, 41, 1581-1583	5.5	67
431	Poly(2-oxazoline) hydrogel monoliths via thiol-ene coupling. *Macromolecular Rapid Communications*, **2012**, 33, 1695-700	4.8	66
430	Partial hydrolysis of poly(2-ethyl-2-oxazoline) and potential implications for biomedical applications?. *Macromolecular Bioscience*, **2012**, 12, 1114-23	5.5	66
429	Poly(2-oxazoline) glycopolymers with tunable LCST behavior. *Polymer Chemistry*, **2011**, 2, 1737	4.9	66
428	Poly(2-cyclopropyl-2-oxazoline): From Rate Acceleration by Cyclopropyl to Thermoresponsive Properties. *Macromolecules*, **2011**, 44, 4057-4064	5.5	66
427	Solubility behavior of amphiphilic block and random copolymers based on 2-ethyl-2-oxazoline and 2-nonyl-2-oxazoline in binary water–ethanol mixtures. *Journal of Polymer Science Part A*, **2009**, 47, 515-522	2.5	66
426	Asymmetrical supramolecular interactions as basis for complex responsive macromolecular architectures. *Chemical Communications*, **2008**, 155-62	5.8	66
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424	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, 10-3		65
423	Synthesis and Aqueous Micellization of Amphiphilic Tetrablock Ter- and Quarterpoly(2-oxazoline)s. *Macromolecules*, **2007**, 40, 2837-2843	5.5	64

422	Synthesis and Structure–Property Relationships of Random and Block Copolymers: A Direct Comparison for Copoly(2-oxazoline)s. *Macromolecules*, **2007**, 40, 5879-5886	5.5	64
421	Copolymerization of 2-Hydroxyethyl Acrylate and 2-Methoxyethyl Acrylate via RAFT: Kinetics and Thermoresponsive Properties. *Macromolecules*, **2010**, 43, 7041-7047	5.5	62
420	Microwave-Assisted Homogeneous Polymerizations in Water-Soluble Ionic Liquids: An Alternative and Green Approach for Polymer Synthesis. *Macromolecular Rapid Communications*, **2007**, 28, 456-464	4.8	62
419	PET 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	11.7	62
418	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	5.5	61
417	Multifunctional Poly(2-oxazoline) Nanoparticles for Biological Applications. *Macromolecular Rapid Communications*, **2010**, 31, 1869-73	4.8	61
416	Living Cationic Polymerizations Utilizing an Automated Synthesizer: High-Throughput Synthesis of Polyoxazolines. *Macromolecular Rapid Communications*, **2003**, 24, 92-97	4.8	61
415	Hard autonomous self-healing supramolecular materials--a contradiction in terms?. *Angewandte Chemie - International Edition*, **2012**, 51, 11942-4	16.4	59
414	Temperature Induced Solubility Transitions of Various Poly(2-oxazoline)s in Ethanol-Water Solvent Mixtures. *Polymers*, **2010**, 2, 188-199	4.5	59
413	A fluorescent thermometer based on a pyrene-labeled thermoresponsive polymer. *Sensors*, **2010**, 10, 7979-90	3.8	59
412	Thermosensitive and Switchable Terpyridine-Functionalized Metallo-Supramolecular Poly(N-isopropylacrylamide). *Macromolecular Rapid Communications*, **2008**, 29, 1640-1647	4.8	59
411	Synthesis and polymerization of boronic acid containing monomers. *Polymer Chemistry*, **2016**, 7, 5484-5495	4.9	59
410	A triple thermoresponsive schizophrenic diblock copolymer. *Polymer Chemistry*, **2013**, 4, 4322	4.9	58
409	Thermoresponsive giant biohybrid amphiphiles. *Polymer Chemistry*, **2011**, 2, 333-340	4.9	58
408	Synthesis and characterization of a series of diverse poly(2-oxazoline)s. *Journal of Polymer Science Part A*, **2009**, 47, 3829-3838	2.5	58
407	High-throughput synthesis and screening of a library of random and gradient copoly(2-oxazoline)s. *ACS Combinatorial Science*, **2006**, 8, 145-8		58
406	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	9.6	57
405	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	5.2	53

404	Colorimetric Nanofibers as Optical Sensors. *Advanced Functional Materials*, **2017**, 27, 1702646	15.6	53
403	Dual pH- and temperature-responsive RAFT-based block co-polymer micelles and polymer–protein conjugates with transient solubility. *Polymer Chemistry*, **2014**, 5, 1140-1144	4.9	53
402	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	4.9	53
401	Self-assembly of double hydrophobic block copolymers in water-ethanol mixtures: from micelles to thermoresponsive micellar gels. *Chemical Communications*, **2009**, 5582-4	5.8	53
400	Mixed iridium(III) and ruthenium(II) polypyridyl complexes containing poly(ε-caprolactone)-bipyridine macroligands. *Journal of Polymer Science Part A*, **2004**, 42, 4153-4160	2.5	53
399	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	2.5	53
398	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	5.5	52
397	Optimization of the nitroxide-mediated radical polymerization conditions for styrene and tert-butyl acrylate in an automated parallel synthesizer. *Journal of Polymer Science Part A*, **2006**, 44, 6202-6213	2.5	52
396	Screening the synthesis of 2-substituted-2-oxazolines. *ACS Combinatorial Science*, **2009**, 11, 274-80		51
395	Poly(2-oxazoline) Hydrogels: State-of-the-Art and Emerging Applications. *Macromolecular Bioscience*, **2018**, 18, e1800070	5.5	50
394	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	4.8	50
393	Colorimetric Logic Gates Based on Poly(2-alkyl-2-oxazoline)-Coated Gold Nanoparticles. *Advanced Functional Materials*, **2015**, 25, 2511-2519	15.6	49
392	Accelerated living cationic ring-opening polymerization of a methyl ester functionalized 2-oxazoline monomer. *Polymer Chemistry*, **2015**, 6, 514-518	4.9	49
391	Dye Modification of Nanofibrous Silicon Oxide Membranes for Colorimetric HCl and NH3 Sensing. *Advanced Functional Materials*, **2016**, 26, 5987-5996	15.6	49
390	Poly(N-isopropylacrylamide) coated gold nanoparticles as colourimetric temperature and salt sensors. *Polymer Chemistry*, **2016**, 7, 1705-1710	4.9	49
389	A green approach for the synthesis and thiol-ene modification of alkene functionalized poly(2-oxazoline)s. *Macromolecular Rapid Communications*, **2011**, 32, 1484-9	4.8	49
388	Preparation of Methacrylate End-Functionalized Poly(2-ethyl-2-oxazoline) Macromonomers. *Designed Monomers and Polymers*, **2009**, 12, 149-165	3.1	49
387	Advanced supramolecular initiator for nitroxide-mediated polymerizations containing both metal-ion coordination and hydrogen-bonding sites. *Chemical Communications*, **2009**, 3386-8	5.8	49

386	Initiator effect on the cationic ring-opening copolymerization of 2-ethyl-2-oxazoline and 2-phenyl-2-oxazoline. *Journal of Polymer Science Part A*, **2008**, 46, 4804-4816	2.5	49
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384	Degradable ketal-based block copolymer nanoparticles for anticancer drug delivery: a systematic evaluation. *Biomacromolecules*, **2015**, 16, 336-50	6.9	47
383	Blend electrospinning of dye-functionalized chitosan and poly(ε-caprolactone): towards biocompatible pH-sensors. *Journal of Materials Chemistry B*, **2016**, 4, 4507-4516	7.3	47
382	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	5.5	47
381	Rational Design of an Amorphous Poly(2-oxazoline) with a Low Glass-Transition Temperature: Monomer Synthesis, Copolymerization, and Properties. *Macromolecules*, **2010**, 43, 4098-4104	5.5	47
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379	Side chain variations radically alter the diffusion of poly(2-alkyl-2-oxazoline) functionalised nanoparticles through a mucosal barrier. *Biomaterials Science*, **2016**, 4, 1318-27	7.4	46
378	Fast and accurate partial hydrolysis of poly(2-ethyl-2-oxazoline) into tailored linear polyethylenimine copolymers. *Polymer Chemistry*, **2014**, 5, 4957-4964	4.9	46
377	Temperature-Switchable Assembly of Supramolecular Virus–Polymer Complexes. *Advanced Functional Materials*, **2011**, 21, 2012-2019	15.6	46
376	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	4.8	46
375	Polymer-protein conjugation via a "grafting to" approach – a comparative study of the performance of protein-reactive RAFT chain transfer agents. *Polymer Chemistry*, **2015**, 6, 5602-5614	4.9	45
374	Tuning the LCST of poly(2-cyclopropyl-2-oxazoline) via gradient copolymerization with 2-ethyl-2-oxazoline. *Journal of Polymer Science Part A*, **2014**, 52, 3118-3122	2.5	45
373	Responsive glyco-poly(2-oxazoline)s: synthesis, cloud point tuning, and lectin binding. *Biomacromolecules*, **2011**, 12, 2591-600	6.9	45
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370	Pore-covered thermoresponsive membranes for repeated on-demand drug release. *Journal of Membrane Science*, **2008**, 322, 243-248	9.6	45
369	Microwave-assisted cationic ring-opening polymerization of a soy-based 2-oxazoline monomer. *Green Chemistry*, **2006**, 8, 895	10	45

368	Synthesis and Characterization of Novel Substituted 3,6-Di(2-pyridyl)pyridazine Metal-Coordinating Ligands. *European Journal of Organic Chemistry*, **2003**, 2003, 4887-4896	3.2	45
367	l-Lactide Polymerization Utilizing a Hydroxy-Functionalized 3,6-Bis(2-pyridyl)pyridazine as Supramolecular (Co)initiator: Construction of Polymeric [2 2] Grids. *Macromolecules*, **2003**, 36, 4743-4749	5.5	45
366	Combinatorial and high-throughput approaches in polymer science. *Measurement Science and Technology*, **2005**, 16, 203-211	2	45
365	Drug Delivery Systems Based on Poly(2-Oxazoline)s and Poly(2-Oxazine)s. *Advanced Therapeutics*, **2020**, 3, 1900168	4.9	45
364	Aqueous gelation of ionic liquids: reverse thermoresponsive ion gels. *Chemical Communications*, **2010**, 46, 6971-3	5.8	44
363	Defined High Molar Mass Poly(2-Oxazoline)s. *Angewandte Chemie - International Edition*, **2018**, 57, 15400-15404	16.1	44
362	Functional Poly(2-oxazoline)s by Direct Amidation of Methyl Ester Side Chains. *Macromolecules*, **2015**, 48, 3531-3538	5.5	43
361	Thermal, Mechanical, and Surface Properties of Poly(2-N-alkyl-2-oxazoline)s. *Macromolecular Chemistry and Physics*, **2010**, 211, 2443-2448	2.6	43
360	High-throughput experimentation in synthetic polymer chemistry: From RAFT and anionic polymerizations to process development. *Applied Surface Science*, **2006**, 252, 2555-2561	6.7	43
359	Application of a Parallel Synthetic Approach in Atom-Transfer Radical Polymerization: Set-Up and Feasibility Demonstration. *Macromolecular Rapid Communications*, **2003**, 24, 81-86	4.8	43
358	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	4.8	43
357	Screening for modulatory effects on steroidogenesis using the human H295R adrenocortical cell line: a metabolomics approach. *Chemical Research in Toxicology*, **2012**, 25, 1720-31	4	42
356	Block Copolymers of Poly(2-oxazoline)s and Poly(meth)acrylates: A Crossover between Cationic Ring-Opening Polymerization (CROP) and Reversible Addition Fragmentation Chain Transfer (RAFT). *ACS Macro Letters*, **2012**, 1, 776-779	6.6	42
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