

Richard Hoogenboom

List of Publications by Year in Descending Order

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

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	Stimuli-Responsive Covalent Adaptable Hydrogels Based on Homolytic Bond Dissociation and Chain Transfer Reactions. <i>Chemistry of Materials</i> , 2022 , 34, 468-498	9.6	4
510	Eco-Friendly Colorimetric Nanofiber Design: Halochromic Sensors with Tunable pH-Sensing Regime Based on 2-Ethyl-2-Oxazoline and 2- n -Butyl-2-Oxazoline Statistical Copolymers Functionalized with Alizarin Yellow R (Adv. Funct. Mater. 1/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270007	15.6	
509	Physically Cross-Linked Polybutadiene by Quadruple Hydrogen Bonding through Side-Chain Incorporation of Ureidopyrimidinone with Branched Alkyl Side Chains. <i>Macromolecules</i> , 2022 , 55, 928-941	5.5	4
508	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. <i>Polymer Chemistry</i> , 2022 , 13, 1559-1575	4.9	1
507	Influence of Chain Length of Gradient and Block Copoly(2-oxazoline)s on Self-Assembly and Drug Encapsulation.. <i>Small</i> , 2022 , e2106251	11	1
506	Fluorinated Ferrocene Moieties as a Platform for Redox-Responsive Polymer 19F MRI Theranostics. <i>Macromolecules</i> , 2022 , 55, 658-671	5.5	2
505	Molecularly Imprinted Polymers with Enhanced Selectivity Based on 4-(Aminomethyl)pyridine-Functionalized Poly(2-oxazoline)s for Detecting Hazardous Herbicide Contaminants. <i>Chemistry of Materials</i> , 2022 , 34, 84-96	9.6	1
504	Effect of Host-Guest Complexation on the Thermoresponsive Behavior of Poly(oligo ethylene glycol acrylate)s Functionalized with Dialkoxynaphthalene Guest Side Chains. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100068	4.8	
503	Poly(2-allylamidopropyl-2-oxazoline)-Based Hydrogels: From Accelerated Gelation Kinetics to Compatibility in a Murine Subdermal Implant Model. <i>Biomacromolecules</i> , 2021 , 22, 1590-1599	6.9	1
502	Supramolecular control over pH- and temperature-responsive dialkoxynaphthalene-functionalized poly(2-(dimethylamino)ethyl methacrylate) in water. <i>European Polymer Journal</i> , 2021 , 148, 110366	5.2	2
501	Evaluation of cross-linking and degradation processes occurring at polymer surfaces upon plasma activation via size-exclusion chromatography. <i>Polymer Degradation and Stability</i> , 2021 , 187, 109543	4.7	2
500	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?. <i>Journal of Colloid and Interface Science</i> , 2021 , 590, 249-259	9.3	2
499	The race for strong and tough hydrogels. <i>Matter</i> , 2021 , 4, 1456-1459	12.7	2
498	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 F Imaging. <i>Biomacromolecules</i> , 2021 , 22, 2963-2975	6.9	2
497	Using Ion Mobility-Mass Spectrometry to Extract Physicochemical Enthalpic and Entropic Contributions from Synthetic Polymers. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 330-339	3.5	1
496	Reversible covalent locking of a supramolecular hydrogel via UV-controlled anthracene dimerization. <i>Polymer Chemistry</i> , 2021 , 12, 307-315	4.9	5
495	Bioinspired double network hydrogels: from covalent double network hydrogels via hybrid double network hydrogels to physical double network hydrogels. <i>Materials Horizons</i> , 2021 , 8, 1173-1188	14.4	48

494	Self-healing hydrophobic POSS-functionalized fluorinated copolymers via RAFT polymerization and dynamic Diels-Alder reaction. <i>Polymer Chemistry</i> , 2021 , 12, 876-884	4.9	4
493	Injectable biocompatible poly(2-oxazoline) hydrogels by strain promoted alkyne-azide cycloaddition. <i>Biointerphases</i> , 2021 , 16, 011001	1.8	2
492	,-Ru(II)-cymene-poly(-vinylpyrrolidone) surface functionalized gold nanoparticles: from organoruthenium complex to nanomaterial for antiproliferative activity. <i>Dalton Transactions</i> , 2021 , 50, 8232-8242	4.3	2
491	Judging Enzyme-Responsive Micelles by Their Covers: Direct Comparison of Dendritic Amphiphiles with Different Hydrophilic Blocks. <i>Biomacromolecules</i> , 2021 , 22, 1197-1210	6.9	8
490	Towards the understanding of halogenation in peptide hydrogels: a quantum chemical approach. <i>Materials Advances</i> , 2021 , 2, 4792-4803	3.3	1
489	[2 D] metallo-supramolecular grids based on 4,6-bis((1-1,2,3-triazol-4-yl)-pyridin-2-yl)-2-phenylpyrimidine ligands: from discrete [2 D] grid structures to star-shaped supramolecular polymeric architectures. <i>Dalton Transactions</i> , 2021 , 50, 8746-8751	4.3	0
488	Pyrazoloanthrone-functionalized fluorescent copolymer for the detection and rapid analysis of nitroaromatics. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 238-248	7.8	3
487	Thermoresponsive properties of polyacrylamides in physiological solutions. <i>Polymer Chemistry</i> , 2021 , 12, 5077-5084	4.9	4
486	Supramolecular Hydrogels with Tunable Swelling by Host Complexation with Cyclobis(paraquat-p-phenylene). <i>Macromolecules</i> , 2021 , 54, 1926-1933	5.5	1
485	Crystal structures of three -(pyridine-2-carbon-yl)pyridine-2-carboxamides as potential ligands for supra-molecular chemistry. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021 , 77, 958-964	0.7	
484	Tannic Acid-Stabilized Self-Degrading Temperature-Sensitive Poly(2--propyl-2-oxazoline)/Gellan Gum Capsules for Lipase Delivery.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 7134-7146	4.1	
483	Asymmetric Incorporation of Silver Nanoparticles in Polymeric Assemblies by Coassembly of Tadpole-Like Nanoparticles and Amphiphilic Block Copolymers. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100354	4.8	1
482	Adamantane Functionalized Poly(2-oxazoline)s with Broadly Tunable LCST-Behavior by Molecular Recognition. <i>Polymers</i> , 2021 , 13,	4.5	3
481	Cation Interactions Accelerate the Living Cationic Ring-Opening Polymerization of Unsaturated 2-Alkyl-2-oxazolines. <i>Macromolecules</i> , 2020 , 53, 3832-3846	5.5	2
480	Degradation and excretion of poly(2-oxazoline) based hemostatic materials. <i>Materialia</i> , 2020 , 12, 100763.	3.2	2
479	Poly(2-methyl-2-oxazoline) conjugates with doxorubicin: From synthesis of high drug loading water-soluble constructs to in vitro anti-cancer properties. <i>Journal of Controlled Release</i> , 2020 , 326, 53-62	11.7	8
478	Reduction-Responsive Molecularly Imprinted Poly(2-isopropenyl-2-oxazoline) for Controlled Release of Anticancer Agents. <i>Pharmaceutics</i> , 2020 , 12,	6.4	8
477	Structural Diversification of Pillar[n]arene Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6314-6316	16.4	22

- 476 Strukturelle Diversifizierung von Pillar[n]aren-Makrocyclen. *Angewandte Chemie*, **2020**, 132, 6374-6376 3.6 2
- 475 Poly(2-ethyl-2-oxazoline) Conjugates with Salicylic Acid via Degradable Modular Ester Linkages. *Biomacromolecules*, **2020**, 21, 3207-3215 6.9 1
- 474 Dual pH and thermoresponsive alternating polyampholytes in alcohol/water solvent mixtures. *Polymer Chemistry*, **2020**, 11, 2205-2211 4.9 6
- 473 Aging effect of atmospheric pressure plasma jet treated polycaprolactone polymer solutions on electrospinning properties. *Journal of Applied Polymer Science*, **2020**, 137, 48914 2.9 1
- 472 Self-Healing Metallo-Supramolecular Hydrogel Based on Specific Ni Coordination Interactions of Poly(ethylene glycol) with Bistriazole Pyridine Ligands in the Main Chain. *Macromolecular Rapid Communications*, **2020**, 41, e1900457 4.8 18
- 471 Supramolecular control over self-assembly and double thermoresponsive behavior of an amphiphilic block copolymer. *European Polymer Journal*, **2020**, 125, 109537 5.2 3
- 470 Ethyl acetate as solvent for the synthesis of poly(2-ethyl-2-oxazoline). *Green Chemistry*, **2020**, 22, 1747-1753 8
- 469 Nanofibers with a tunable wettability by electrospinning and physical crosslinking of poly(2-n-propyl-2-oxazoline). *Materials and Design*, **2020**, 192, 108747 8.1 15
- 468 Dual Responsive Regulation of Host-Guest Complexation in Aqueous Media to Control Partial Release of the Host. *Chemistry - A European Journal*, **2020**, 26, 1292-1297 4.8 4
- 467 High compression strength single network hydrogels with pillar[5]arene junction points. *Materials Horizons*, **2020**, 7, 566-573 14.4 26
- 466 Water-Stable Plasma-Polymerized γ -Dimethylacrylamide Coatings to Control Cellular Adhesion. *ACS Applied Materials & Interfaces*, **2020**, 12, 2116-2128 9.5 10
- 465 Drug Delivery Systems Based on Poly(2-Oxazoline)s and Poly(2-Oxazine)s. *Advanced Therapeutics*, **2020**, 3, 1900168 4.9 45
- 464 Poly(2-oxazoline)–protein conjugates **2020**, 407-420
- 463 Drug–polymer conjugates with dynamic cloud point temperatures based on poly(2-oxazoline) copolymers. *Polymer Chemistry*, **2020**, 11, 5191-5199 4.9 3
- 462 Porous Poly(2-oxazoline)-Based Polymers for Removal and Quantification of Phenolic Compounds. *Chemistry of Materials*, **2020**, 32, 6425-6436 9.6 8
- 461 On-Demand Dissoluble Diselenide-Containing Hydrogel. *Biomacromolecules*, **2020**, 21, 3308-3317 6.9 10
- 460 Layer-by-Layer Assembled Hydrogen-Bonded Multilayer Poly(2-oxazoline) Membranes for Aqueous Separations. *ACS Applied Polymer Materials*, **2020**, 2, 5398-5405 4.3 3
- 459 Self-Healing and Moldable Poly(2-isopropenyl-2-oxazoline) Supramolecular Hydrogels Based on a Transient Metal Coordination Network. *Macromolecules*, **2020**, 53, 6566-6575 5.5 18

458	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000216	2.6	36
457	Complex Temperature and Concentration Dependent Self-Assembly of Poly(2-oxazoline) Block Copolymers. <i>Polymers</i> , 2020 , 12,	4.5	2
456	Fluorinated Water-Soluble Poly(2-oxazoline)s as Highly Sensitive 19F MRI Contrast Agents. <i>Macromolecules</i> , 2020 , 53, 6387-6395	5.5	10
455	Immiscibility of Chemically Alike Amorphous Polymers: Phase Separation of Poly(2-ethyl-2-oxazoline) and Poly(2-n-propyl-2-oxazoline). <i>Macromolecules</i> , 2020 , 53, 7590-7600	5.5	2
454	Stoichiometric Control over Partial Transesterification of Polyacrylate Homopolymers as Platform for Functional Copolyacrylates. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000365	4.8	2
453	Förster resonance energy transfer in fluorophore labeled poly(2-ethyl-2-oxazoline)s. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14125-14137	7.1	3
452	Thioacetate-Based Initiators for the Synthesis of Thiol-End-Functionalized Poly(2-oxazoline)s. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000320	4.8	1
451	Unravelling the Miscibility of Poly(2-oxazoline)s: A Novel Polymer Class for the Formulation of Amorphous Solid Dispersions. <i>Molecules</i> , 2020 , 25,	4.8	1
450	Metal Ion Selective Self-Assembly of a Ligand Functionalized Polymer into [1+1] Macrocyclic and Supramolecular Polymer Structures via Metal-Ligand Coordination. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e1900305	4.8	11
449	POSS and fluorine containing nanostructured block copolymer; Synthesis via RAFT polymerization and its application as hydrophobic coating material. <i>European Polymer Journal</i> , 2020 , 131, 109679	5.2	9
448	Solvent-control over monomer distribution in the copolymerization of 2-oxazolines and the effect of a gradient structure on self-assembly. <i>Polymer Chemistry</i> , 2019 , 10, 5116-5123	4.9	6
447	Poly(2-oxazoline)-protein conjugates. <i>European Polymer Journal</i> , 2019 , 120, 109246	5.2	19
446	Comparative study of the potential of poly(2-ethyl-2-oxazoline) as carrier in the formulation of amorphous solid dispersions of poorly soluble drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 144, 79-90	5.7	14
445	End-group functionalization of poly(2-oxazoline)s using methyl bromoacetate as initiator followed by direct amidation. <i>European Polymer Journal</i> , 2019 , 120, 109273	5.2	3
444	Striking Effect of Polymer End-Group on C60 Nanoparticle Formation by High Shear Vibrational Milling with Alkyne-Functionalized Poly(2-oxazoline)s. <i>ACS Macro Letters</i> , 2019 , 8, 172-176	6.6	8
443	Synthesis of defined high molar mass poly(2-methyl-2-oxazoline). <i>Polymer Chemistry</i> , 2019 , 10, 1286-1290	4.9	17
442	Amidation of methyl ester side chain bearing poly(2-oxazoline)s with tyramine: a quest for a selective and quantitative approach. <i>Polymer Chemistry</i> , 2019 , 10, 954-962	4.9	16
441	Structure-property relationships for polycarboxylate ether superplasticizers by means of RAFT polymerization. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 788-797	9.3	15

- 440 Copper Curiosity: From Blue Blood to Click Chemistry. *Australian Journal of Chemistry*, **2019**, 72, 490 1.2
- 439 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 16.4 20
- 438 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 5.5 13
- 437 Thermoresponsive hydrogels formed by poly(2-oxazoline) triblock copolymers. *Polymer Chemistry*, **2019**, 10, 3480-3487 4.9 23
- 436 Microphase segregation and selective chain scission of poly(2-methyl-2-oxazoline)-block-polystyrene. *Journal of Polymer Science Part A*, **2019**, 57, 1349-1357 2.5 4
- 435 A Synthetic, Transiently Thermoresponsive Homopolymer with UCST Behaviour within a Physiologically Relevant Window. *Angewandte Chemie - International Edition*, **2019**, 58, 7866-7872 16.4 25
- 434 Synthetisch hergestellte, transient thermoresponsive Homopolymere mit einer oberen kritischen Lösungstemperatur für physiologisch relevante Anwendungen. *Angewandte Chemie*, **2019**, 131, 7948-7954 3.6 2
- 433 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 3.5 6
- 432 Thermoresponsive DNA by Intercalation of dsDNA with Oligoethylene-Glycol-Functionalized Small-Molecule Intercalators. *Macromolecular Rapid Communications*, **2019**, 40, e1800900 4.8
- 431 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 2.5 12
- 430 Visualization and design of the functional group distribution during statistical copolymerization. *Nature Communications*, **2019**, 10, 3641 17.4 27
- 429 Poly(2-amino-2-oxazoline)s: a new class of thermoresponsive polymers. *Polymer Chemistry*, **2019**, 10, 4683-4689 4.9 16
- 428 Full and Partial Amidation of Poly(methyl acrylate) as Basis for Functional Polyacrylamide (Co)Polymers. *Macromolecules*, **2019**, 52, 5102-5109 5.5 16
- 427 One-Step Covalent Immobilization of β -Cyclodextrin on sp² Carbon Surfaces for Selective Trace Amount Probing of Guests. *Advanced Functional Materials*, **2019**, 29, 1901488 15.6 9
- 426 Hydrogen-Bonded Multilayer Thin Films and Capsules Based on Poly(2-propyl-2-oxazoline) and Tannic Acid: Investigation on Intermolecular Forces, Stability, and Permeability. *Langmuir*, **2019**, 35, 14712-14724 4.6 6
- 425 Supramolecular Competitive Host-Guest Interaction Induced Reversible Macromolecular Metamorphosis. *Macromolecular Rapid Communications*, **2019**, 40, e1900376 4.8 3
- 424 Poly(2-alkyl-2-oxazoline) electrode interlayers for improved n-type organic field effect transistor performance. *Applied Physics Letters*, **2019**, 115, 143302 3.4 5
- 423 Covalent Poly(2-Isopropenyl-2-Oxazoline) Hydrogels with Ultrahigh Mechanical Strength and Toughness through Secondary Terpyridine Metal-Coordination Crosslinks. *Advanced Functional Materials*, **2019**, 29, 1904886 15.6 38

422	The Influence of Pre-Electrospinning Plasma Treatment on Physicochemical Characteristics of PLA Nanofibers. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1900391	3.9	1
421	Influence of side-chain length on long-term release kinetics from poly(2-oxazoline)-drug conjugate networks. <i>European Polymer Journal</i> , 2019 , 120, 109217	5.2	10
420	Temperature-Responsive Polymers: Properties, Synthesis, and Applications 2019 , 13-44		9
419	Poly(2-isopropenyl-2-oxazoline) as a Versatile Platform for Multi-Functional Materials. <i>Proceedings (mdpi)</i> , 2019 , 29, 71	0.3	1
418	Crosslinking of electrospun and bioextruded partially hydrolyzed poly(2-ethyl-2-oxazoline) using glutaraldehyde vapour. <i>European Polymer Journal</i> , 2019 , 120, 109218	5.2	6
417	Understanding the effect of monomer structure of oligoethylene glycol acrylate copolymers on their thermoresponsive behavior for the development of polymeric sensors. <i>Polymer Chemistry</i> , 2019 , 10, 5778-5789	4.9	10
416	Acyl guanidine functional poly(2-oxazoline)s as reactive intermediates and stimuli-responsive materials. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 2616-2624	2.5	8
415	Effect of crosslinking stage on photocrosslinking of benzophenone functionalized poly(2-ethyl-2-oxazoline) nanofibers obtained by aqueous electrospinning. <i>European Polymer Journal</i> , 2019 , 112, 24-30	5.2	25
414	New platinum(II) and palladium(II) complexes with substituted terpyridine ligands: synthesis and characterization, cytotoxicity and reactivity towards biomolecules. <i>BioMetals</i> , 2019 , 32, 33-47	3.4	8
413	Gas-Phase Dynamics of Collision Induced Unfolding, Collision Induced Dissociation, and Electron Transfer Dissociation-Activated Polymer Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 563-572	3.5	6
412	Straightforward Route to Superhydrophilic Poly(2-oxazoline)s via Acylation of Well-Defined Polyethylenimine. <i>Biomacromolecules</i> , 2019 , 20, 222-230	6.9	19
411	Well-Defined Thermoresponsive Polymethacrylamide Copolymers with Ester Pendent Groups through One-Pot Statistical Postpolymerization Modification of Poly(2-Isopropenyl-2-Oxazoline) with Multiple Carboxylic Acids. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 360-366	2.5	8
410	Maleimide end-functionalized poly(2-oxazoline)s by the functional initiator route: synthesis and (bio)conjugation.. <i>RSC Advances</i> , 2018 , 8, 9471-9479	3.7	12
409	Conformational properties of biocompatible poly(2-ethyl-2-oxazoline)s in phosphate buffered saline. <i>Polymer Chemistry</i> , 2018 , 9, 2232-2237	4.9	22
408	Oxidation of Monoterpenes Catalysed by a Water-Soluble MnIII PEG-Porphyrin in a Biphasic Medium. <i>ChemCatChem</i> , 2018 , 10, 2804-2809	5.2	3
407	Structural characterization of nanoparticles formed by fluorinated poly(2-oxazoline)-based polyphiles. <i>European Polymer Journal</i> , 2018 , 99, 518-527	5.2	8
406	Plasma dye coating as straightforward and widely applicable procedure for dye immobilization on polymeric materials. <i>Nature Communications</i> , 2018 , 9, 1123	17.4	11
405	Fluorophilic Π iphilicHydrophilic Poly(2-oxazoline) Block Copolymers as MRI Contrast Agents: From Synthesis to Self-Assembly. <i>Macromolecules</i> , 2018 , 51, 6047-6056	5.5	14

404	Chemical Design of Non-Ionic Polymer Brushes as Biointerfaces: Poly(2-oxazine)s Outperform Both Poly(2-oxazoline)s and PEG. <i>Angewandte Chemie</i> , 2018 , 130, 11841-11846	3.6	4
403	Chemical Design of Non-Ionic Polymer Brushes as Biointerfaces: Poly(2-oxazine)s Outperform Both Poly(2-oxazoline)s and PEG. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11667-11672	16.4	75
402	In Situ Cross-Linked Nanofibers by Aqueous Electrospinning of Selenol-Functionalized Poly(2-oxazoline)s. <i>Macromolecules</i> , 2018 , 51, 6149-6156	5.5	17
401	Poly(2-oxazoline) Hydrogels: State-of-the-Art and Emerging Applications. <i>Macromolecular Bioscience</i> , 2018 , 18, e1800070	5.5	50
400	Effects of a dielectric barrier discharge (DBD) treatment on chitosan/polyethylene oxide nanofibers and their cellular interactions. <i>Carbohydrate Polymers</i> , 2018 , 201, 402-415	10.3	19
399	Molecularly Imprinted Poly(2-oxazoline) Based on Cross-Linking by Direct Amidation of Methyl Ester Side Chains. <i>Macromolecules</i> , 2018 , 51, 6468-6475	5.5	14
398	Photocontrol in Complex Polymeric Materials: Fact or Illusion?. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7945-7947	16.4	14
397	The Chemistry of Poly(2-oxazoline)s 2018 , 1-59		0
396	Steuerung komplexer Polymermaterialien mit Licht: Wirklichkeit oder Illusion?. <i>Angewandte Chemie</i> , 2018 , 130, 8073-8075	3.6	1
395	Mechanochemical Preparation of Stable Sub-100 nm β -Cyclodextrin:Buckminsterfullerene (C60) Nanoparticles by Electrostatic or Steric Stabilization. <i>Chemistry - A European Journal</i> , 2018 , 24, 2758-2768	4.8	9
394	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. <i>ACS Macro Letters</i> , 2018 , 7, 7-10	6.6	11
393	Poly(2-oxazoline)s: A comprehensive overview of polymer structures and their physical properties. <i>Polymer International</i> , 2018 , 67, 32-45	3.3	132
392	The Elusive Seven-Membered Cyclic Imino Ether Tetrahydrooxazepine. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17404-17408	16.4	14
391	Poly(2-isopropenyl-2-oxazoline) Hydrogels for Biomedical Applications. <i>Chemistry of Materials</i> , 2018 , 30, 7938-7949	9.6	27
390	Defined High Molar Mass Poly(2-Oxazoline)s. <i>Angewandte Chemie</i> , 2018 , 130, 15626-15630	3.6	5
389	Defined High Molar Mass Poly(2-Oxazoline)s. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15400-15404	16.4	44
388	Fabrication of PEOT/PBT Nanofibers by Atmospheric Pressure Plasma Jet Treatment of Electrospinning Solutions for Tissue Engineering. <i>Macromolecular Bioscience</i> , 2018 , 18, e1800309	5.5	12
387	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. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 133, 112-121	5.7	4

386	Biodegradable Amphipathic Peptide Hydrogels as Extended-Release System for Opioid Peptides. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 9784-9789	8.3	14
385	Full and partial hydrolysis of poly(2-oxazoline)s and the subsequent post-polymerization modification of the resulting polyethylenimine (co)polymers. <i>Polymer Chemistry</i> , 2018 , 9, 4968-4978	4.9	26
384	Poly(2-oxazoline)s with pendant cubane groups. <i>Polymer Chemistry</i> , 2018 , 9, 4840-4847	4.9	6
383	Poly(2-isopropenyl-2-oxazoline) as a versatile platform towards thermoresponsive copolymers. <i>Polymer Chemistry</i> , 2018 , 9, 3473-3478	4.9	27
382	Smart polymeric gels 2018 , 179-230		2
381	Ultrathin Single Bilayer Separation Membranes Based on Hyperbranched Sulfonated Poly(aryleneoxindole). <i>Advanced Functional Materials</i> , 2017 , 27, 1605068	15.6	34
380	Thermoresponsive polymers with lower critical solution temperature: from fundamental aspects and measuring techniques to recommended turbidimetry conditions. <i>Materials Horizons</i> , 2017 , 4, 109-116	14.4	246
379	Injectable peptide-based hydrogel formulations for the extended in vivo release of opioids. <i>Materials Today Chemistry</i> , 2017 , 3, 49-59	6.2	14
378	The effect of ionizing radiation on biocompatible polymers: From sterilization to radiolysis and hydrogel formation. <i>Polymer Degradation and Stability</i> , 2017 , 137, 1-10	4.7	16
377	Cytotoxicity of polycations: Relationship of molecular weight and the hydrolytic theory of the mechanism of toxicity. <i>International Journal of Pharmaceutics</i> , 2017 , 521, 249-258	6.5	88
376	Poly(2-oxazoline) block copolymer nanoparticles for curcumin loading and delivery to cancer cells. <i>European Polymer Journal</i> , 2017 , 93, 682-694	5.2	31
375	In Vivo Imaging of the Stability and Sustained Cargo Release of an Injectable Amphipathic Peptide-Based Hydrogel. <i>Biomacromolecules</i> , 2017 , 18, 994-1001	6.9	20
374	Controlled Synthesis of Fluorinated Copolymers via Cobalt-Mediated Radical Copolymerization of Perfluorohexylethylene and Vinyl Acetate. <i>Macromolecules</i> , 2017 , 50, 3750-3760	5.5	22
373	Triple responsive block copolymers combining pH-responsive, thermoresponsive, and glucose-responsive behaviors. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 2309-2317	2.5	29
372	Cyclische Polymere: von einer wissenschaftlichen Kuriosität zu modernen Materialien für die Genübertragung und Oberflächenmodifikation. <i>Angewandte Chemie</i> , 2017 , 129, 7140-7142	3.6	5
371	Cyclic Polymers: From Scientific Curiosity to Advanced Materials for Gene Delivery and Surface Modification. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7034-7036	16.4	33
370	Thermoresponsive laterally-branched polythiophene phenylene derivative as water-soluble temperature sensor. <i>Polymer Chemistry</i> , 2017 , 8, 4352-4358	4.9	23
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