Jean-Francois Lutz

List of Publications by Year
in descending order

200 papers	21,353 citations	13827 67 h-index	9311 143 g-index
233 all docs	233 docs citations	233 times ranked	12471 citing authors

#	Article	IF	Citations
1	Multistep Growth â€œPolymerizationsâ€. Macromolecular Chemistry and Physics, 2022, 223, 2100368.	1.1	10
2	Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. Angewandte Chemie, 2021, 133, 930-939.	1.6	2
3	Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. Angewandte Chemie - International Edition, 2021, 60, 917-926.	7.2	14
4	Chemical conjugation of nucleic acid aptamers and synthetic polymers. Polymer Chemistry, 2021, 12, 3498-3509.	1.9	18
5	Synthesis and sequencing of informational poly(amino phosphodiester)s. Polymer Chemistry, 2021, 12, 5279-5282.	1.9	7
6	Desorption Electrospray Ionization (DESI) of Digital Polymers: Direct Tandem Mass Spectrometry Decoding and Imaging from Materials Surfaces. Advanced Materials Technologies, 2021, 6, 2001088.	3.0	14
7	Decoding Digital Information Stored in Polymer by Nanopore. Biophysical Journal, 2021, 120, 98a.	0.2	1
8	Chain Entropy Beats Hydrogen Bonds to Unfold and Thread Dialcohol Phosphates inside Cyanostar Macrocycles To Form [3]Pseudorotaxanes. Journal of Organic Chemistry, 2021, 86, 4532-4546.	1.7	10
9	Adsorption of phenylalanine-rich sequence-defined oligomers onto Kevlar fibers for fiber-reinforced polyolefin composite materials. Polymer, 2021, 217, 123465.	1.8	9
10	Design of Abiological Digital Poly(phosphodiester)s. Accounts of Chemical Research, 2021, 54, 1791-1800.	7.6	25
11	Large Sequence-Defined Supramolecules Obtained by the DNA-Guided Assembly of Biohybrid Poly(phosphodiester)s. Macromolecules, 2021, 54, 3423-3429.	2.2	12
12	Storing the portrait of Antoine de Lavoisier in a single macromolecule. Comptes Rendus Chimie, 2021, 24, 69-76.	0.2	10
13	Precisely Defined Aptamer-<i>b</i>-Poly(phosphodiester) Conjugates Prepared by Phosphoramidite Polymer Chemistry. ACS Macro Letters, 2021, 10, 481-485.	2.3	12
14	Molecular Bottle Brushes with Positioned Selenols: Extending the Toolbox of Oxidative Single Polymer Chain Folding with Conformation Analysis by Atomic Force Microscopy. Journal of Polymer Science, 2020, 58, 154-162.	2.0	4
15	Professor Krzysztof Matyjaszewskiâ€"A Pioneer in Polymer Science. Journal of Polymer Science, 2020, 58, 13-13.	2.0	0
16	Can Life Emerge from Synthetic Polymers?. Israel Journal of Chemistry, 2020, 60, 151-159.	1.0	16
17	Promoting carboxylate salts in the ESI source to simplify positive mode MS/MS sequencing of acid-terminated encoded polyurethanes. International Journal of Mass Spectrometry, 2020, 448, 116271.	0.7	5
18	Damage and Repair in Informational Poly(<i>N</i>â€substituted urethane)s. Angewandte Chemie - International Edition, 2020, 59, 20390-20393.	7.2	22

#	ARTICLE	IF	CITATIONS
19	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	1.1	69
20	Damage and Repair in Informational Poly(N â€substituted urethane)s. Angewandte Chemie, 2020, 132, 20570-20573.	1.6	4
21	Aerolysin nanopores decode digital information stored in tailored macromolecular analytes. Science Advances, 2020, 6, .	4.7	57
22	High-Capacity Digital Polymers: Storing Images in Single Molecules. Macromolecules, 2020, 53, 4022-4029.	2.2	39
23	Optimal conditions for tandem mass spectrometric sequencing of informationâ€containing nitrogenâ€substituted polyurethanes. Rapid Communications in Mass Spectrometry, 2020, 34, e8815.	0.7	6
24	100th Anniversary of Macromolecular Science Viewpoint: Toward Artificial Life-Supporting Macromolecules. ACS Macro Letters, 2020, 9, 185-189.	2.3	40
25	Molecular Bottle Brushes with Positioned Selenols: Extending the Toolbox of Oxidative Single Polymer Chain Folding with Conformation Analysis by Atomic Force Microscopy. Journal of Polymer Science, 2020, 58, 154-162.	2.0	0
26	Selective Bond Cleavage in Informational Poly(Alkoxyamine Phosphodiester)s. Macromolecular Rapid Communications, 2020, 41, e2000215.	2.0	5
27	Efficient Protocol for the Synthesis of â€œ<i>N</i>-Codedâ€•Oligo- and Poly(<i>N</i>-Substituted) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	26
28	Photo-editable macromolecular information. Nature Communications, 2019, 10, 3774.	5.8	51
29	About the Crystallization of Abiotic Coded Matter. ACS Macro Letters, 2019, 8, 779-782.	2.3	15
30	Revealing Data Encrypted in Sequence-Controlled Poly(Alkoxyamine Phosphodiester)s by Combining Ion Mobility with Tandem Mass Spectrometry. Analytical Chemistry, 2019, 91, 7266-7272.	3.2	20
31	Programmable Thermoresponsive Micelle-Inspired Polymer Ionic Liquids as Molecular Shuttles for Anionic Payloads. Macromolecules, 2019, 52, 9672-9681.	2.2	13
32	Universal Soluble Polymer Supports with Precisely Controlled Loading Capacity for Sequenceâ€Defined Oligomer Synthesis. Journal of Polymer Science Part A, 2019, 57, 403-410.	2.5	7
33	Homolysis of C ON bonds during MS/MS of oligo(alkoxyamine amide) protomers. International Journal of Mass Spectrometry, 2019, 438, 29-35.	0.7	1
34	Cleavable Binary Dyads: Simplifying Data Extraction and Increasing Storage Density in Digital Polymers. Angewandte Chemie, 2018, 130, 6374-6377.	1.6	14
35	Synthesis of Macromolecules Containing Phenylalanine and Aliphatic Building Blocks. Macromolecular Rapid Communications, 2018, 39, e1700764.	2.0	4
36	Translocation of Sequence-Controlled Synthetic Polymers through Biological Nanopores. Biophysical Journal, 2018, 114, 182a.	0.2	0

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37	Cleavable Binary Dyads: Simplifying Data Extraction and Increasing Storage Density in Digital Polymers. Angewandte Chemie - International Edition, 2018, 57, 6266-6269.	7.2	44
38	Sequences of Sequences: Spatial Organization of Coded Matter through Layerâ€byâ€Layer Assembly of Digital Polymers. Angewandte Chemie - International Edition, 2018, 57, 15817-15821.	7.2	32
39	Sequences of Sequences: Spatial Organization of Coded Matter through Layerâ€byâ€Layer Assembly of Digital Polymers. Angewandte Chemie, 2018, 130, 16043-16047.	1.6	11
40	Abiotic Sequenceâ€Coded Oligomers as Efficient Inâ€…Vivo Taggants for the Identification of Implanted Materials. Angewandte Chemie, 2018, 130, 10734-10738.	1.6	12
41	Convenient Graphical Visualization of Messages Encoded in Sequenceâ€Defined Synthetic Polymers Using Kendrick Mass Defect Analysis of their MS/MS Data. Macromolecular Chemistry and Physics, 2018, 219, 1800173.	1.1	5
42	Abiotic Sequenceâ€Coded Oligomers as Efficient Inâ€…Vivo Taggants for the Identification of Implanted Materials. Angewandte Chemie - International Edition, 2018, 57, 10574-10578.	7.2	48
43	Catalyst: Being a Chemist in the Anthropocene. CheM, 2017, 2, 155-156.	5.8	2
44	Tuning Polymer-Protein Interaction with Salt. Biophysical Journal, 2017, 112, 457a.	0.2	0
45	A Simple Postâ€Polymerization Modification Method for Controlling Sideâ€Chain Information in Digital Polymers. Angewandte Chemie - International Edition, 2017, 56, 7297-7301.	7.2	50
46	Controlling the structure of sequenceâ€defined poly(phosphodiester)s for optimal MS/MS reading of digital information. Journal of Mass Spectrometry, 2017, 52, 788-798.	0.7	29
47	MS/MS-Assisted Design of Sequence-Controlled Synthetic Polymers for Improved Reading of Encoded Information. Journal of the American Society for Mass Spectrometry, 2017, 28, 1149-1159.	1.2	36
48	Sequence-coded ATRP macroinitiators. Polymer Chemistry, 2017, 8, 4988-4991.	1.9	9
49	Identification-Tagging of Methacrylate-Based Intraocular Implants Using Sequence Defined Polyurethane Barcodes. Advanced Functional Materials, 2017, 27, 1604595.	7.8	53
50	MS-DECODER: Milliseconds Sequencing of Coded Polymers. Macromolecules, 2017, 50, 8290-8296.	2.2	43
51	Mass spectrometry sequencing of long digital polymers facilitated by programmed inter-byte fragmentation. Nature Communications, 2017, 8, 967.	5.8	96
52	2D Sequenceâ€Coded Oligourethane Barcodes for Plastic Materials Labeling. Macromolecular Rapid Communications, 2017, 38, 1700426.	2.0	43
53	Negative mode MS/MS to read digital information encoded in sequence-defined oligo(urethane)s: A mechanistic study. International Journal of Mass Spectrometry, 2017, 421, 271-278.	0.7	17
54	Eine einfache Methode der nachtrÃglichen Modifizierung zur Kontrolle der Seitenketteninformation digitaler Polymere. Angewandte Chemie, 2017, 129, 7403-7407.	1.6	18

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55	Photocontrolled Synthesis of Abiotic Sequenceâ€Defined Oligo(Phosphodiester)s. Macromolecular Rapid Communications, 2017, 38, 1700651.	2.0	12
56	Translocation of Precision Polymers through Biological Nanopores. Macromolecular Rapid Communications, 2017, 38, 1700680.	2.0	27
57	Defining the Field of Sequenceâ€Controlled Polymers. Macromolecular Rapid Communications, 2017, 38, 1700582.	2.0	164
58	Synthesis of oligoarylacetylenes with defined conjugated sequences using tailor-made soluble polymer supports. Chemical Communications, 2017, 53, 8312-8315.	2.2	20
59	Euroâ€Sequences: Toward Nextâ€Gen Polymers. Macromolecular Rapid Communications, 2017, 38, 1700747.	2.0	0
60	Chemoselective Synthesis of Uniform Sequence-Coded Polyurethanes and Their Use as Molecular Tags. CheM, 2016, 1, 114-126.	5.8	108
61	Model-Based Design To Push the Boundaries of Sequence Control. Macromolecules, 2016, 49, 9336-9344.	2.2	51
62	Tandem mass spectrometry sequencing in the negative ion mode to read binary information encoded in sequenceâ€defined poly(alkoxyamine amide)s. Rapid Communications in Mass Spectrometry, 2016, 30, 22-28.	0.7	27
63	Coding in 2D: Using Intentional Dispersity to Enhance the Information Capacity of Sequenceâ€Coded Polymer Barcodes. Angewandte Chemie, 2016, 128, 10880-10883.	1.6	18
64	Coding in 2D: Using Intentional Dispersity to Enhance the Information Capacity of Sequenceâ€Coded Polymer Barcodes. Angewandte Chemie - International Edition, 2016, 55, 10722-10725.	7.2	67
65	Orthogonal Synthesis of â€œEasy-to-Readâ€• Information-Containing Polymers Using Phosphoramidite and Radical Coupling Steps. Journal of the American Chemical Society, 2016, 138, 9417-9420.	6.6	104
66	Orthogonal Synthesis of Xeno Nucleic Acids. Chemistry - A European Journal, 2016, 22, 17945-17948.	1.7	5
67	From precision polymers to complex materials and systems. Nature Reviews Materials, 2016, 1, .	23.3	725
68	Optimal ATRPâ€Made Soluble Polymer Supports for Phosphoramidite Chemistry. Chemistry - A European Journal, 2016, 22, 3462-3469.	1.7	9
69	MS/MS Digital Readout: Analysis of Binary Information Encoded in the Monomer Sequences of Poly(triazole amide)s. Analytical Chemistry, 2016, 88, 3715-3722.	3.2	50
70	Chapter 3. Synthesis of Non-natural Polymers with Controlled Primary Structures. RSC Polymer Chemistry Series, 2016, , 66-106.	0.1	0
71	Preparation of Informationâ€Containing Macromolecules by Ligation of Dyadâ€Encoded Oligomers. Chemistry - A European Journal, 2015, 21, 11961-11965.	1.7	50
72	Design and synthesis of digitally encoded polymers that can be decoded and erased. Nature Communications, 2015, 6, 7237.	5.8	260

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73	Synthesis of Monodisperse Sequenceâ€Defined Polymers Using Protectingâ€Groupâ€Free Iterative Strategies. Macromolecular Chemistry and Physics, 2015, 216, 1498-1506.	1.1	85
74	Debromination of ATRP-made Wang soluble polymer supports. Polymer, 2015, 72, 341-347.	1.8	9
75	On the synthesis of sequence-controlled poly(vinyl benzyl amine-co-N-substituted maleimides) copolymers. European Polymer Journal, 2015, 62, 338-346.	2.6	22
76	MS/MS Sequencing of Digitally Encoded Poly(alkoxyamine amide)s. Macromolecules, 2015, 48, 4319-4328.	2.2	62
77	Coding Macromolecules: Inputting Information in Polymers Using Monomer-Based Alphabets. Macromolecules, 2015, 48, 4759-4767.	2.2	171
78	Synthesis of Non-Natural Sequence-Encoded Polymers Using Phosphoramidite Chemistry. Journal of the American Chemical Society, 2015, 137, 5629-5635.	6.6	180
79	Synthesis of Monodisperse Sequence-Coded Polymers with Chain Lengths above DP100. ACS Macro Letters, 2015, 4, 1077-1080.	2.3	141
80	Convergent synthesis of digitally-encoded poly(alkoxyamine amide)s. Chemical Communications, 2015, 51, 15677-15680.	2.2	44
81	An Introduction to Sequence-Controlled Polymers. ACS Symposium Series, 2014, , 1-11.	0.5	7
82	On the Interaction of Adherent Cells with Thermoresponsive Polymer Coatings. Polymers, 2014, 6, 1164-1177.	2.0	20
83	Some More Insights on Precisely Controlled Polymer Architectures. Macromolecular Rapid Communications, 2014, 35, 377-377.	2.0	4
84	Precisely Controlled Polymer Architectures. Macromolecular Rapid Communications, 2014, 35, 122-122.	2.0	12
85	Complex single-chain polymer topologies locked by positionable twin disulfide cyclic bridges. Chemical Communications, 2014, 50, 1570.	2.2	52
86	Information-containing macromolecules. Nature Chemistry, 2014, 6, 455-456.	6.6	189
87	Solid-Phase Synthesis as a Tool for the Preparation of Sequence-Defined Oligomers Based on Natural Amino Acids and Synthetic Building Blocks. ACS Symposium Series, 2014, , 103-116.	0.5	7
88	Synthesis of Sequence-Controlled Copolymers Using Time-Regulated Additions of N-Substituted Maleimides in Styrenic Radical Polymerizations. ACS Symposium Series, 2014, , 119-131.	0.5	5
89	Reading Polymers: Sequencing of Natural and Synthetic Macromolecules. Angewandte Chemie - International Edition, 2014, 53, 13010-13019.	7.2	152
90	Synthesis of Molecularly Encoded Oligomers Using a Chemoselective â€œAB + CDâ€• Iterative Approach. Macromolecular Rapid Communications, 2014, 35, 141-145.	2.0	105

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91	Synthesis and Characterization of Sequence-Controlled Semicrystalline Comb Copolymers: Influence of Primary Structure on Materials Properties. Macromolecules, 2014, 47, 1570-1577.	2.2	41
92	Precision PEGylated Polymers Obtained by Sequenceâ€Controlled Copolymerization and Postpolymerization Modification. Angewandte Chemie - International Edition, 2014, 53, 9231-9235.	7.2	36
93	Compartmentalization of Single Polymer Chains by Stepwise Intramolecular Cross-Linking of Sequence-Controlled Macromolecules. Journal of the American Chemical Society, 2014, 136, 12888-12891.	6.6	92
94	Primary Structure Control of Oligomers Based on Natural and Synthetic Building Blocks. ACS Macro Letters, 2014, 3, 291-294.	2.3	20
95	Aperiodic Copolymers. ACS Macro Letters, 2014, 3, 1020-1023.	2.3	60
96	Synthesis of Wellâ€Defined Polystyrene Rink Amide Soluble Supports and Their Use in Peptide Synthesis. Macromolecular Chemistry and Physics, 2014, 215, 1984-1990.	1.1	18
97	Writing on Polymer Chains. Accounts of Chemical Research, 2013, 46, 2696-2705.	7.6	141
98	Effects of PEG-Based Thermoresponsive Polymer Brushes on Fibroblast Spreading and Gene Expression. Cellular and Molecular Bioengineering, 2013, 6, 287-298.	1.0	18
99	Sequence-Controlled Polymers. Science, 2013, 341, 1238149.	6.0	1,097
100	Sequence-controlled polymerization using dendritic macromonomers: precise chain-positioning of bulky functional clusters. Chemical Communications, 2013, 49, 7280.	2.2	18
101	Microstructure Control: An Underestimated Parameter in Recent Polymer Design. Macromolecular Chemistry and Physics, 2013, 214, 135-142.	1.1	58
102	Synthesis of Singleâ€Chain Sugar Arrays. Angewandte Chemie - International Edition, 2013, 52, 2335-2339.	7.2	66
103	Convenient Routes to Efficiently N-PEGylated Peptides. ACS Macro Letters, 2013, 2, 641-644.	2.3	11
104	Influence of Strong Electron-Donor Monomers in Sequence-Controlled Polymerizations. ACS Macro Letters, 2012, 1, 589-592.	2.3	66
105	On the influence of the architecture of poly(ethylene glycol)-based thermoresponsive polymers on cell adhesion. Biomicrofluidics, 2012, 6, 024129.	1.2	30
106	Polymerâ€Chain Encoding: Synthesis of Highly Complex Monomer Sequence Patterns by Using Automated Protocols. Angewandte Chemie - International Edition, 2012, 51, 12254-12257.	7.2	66
107	â€œInverseâ€• synthesis of polymer bioconjugates using soluble supports. Chemical Communications, 2012, 48, 3887.	2.2	36
108	Precision polyelectrolytes. Chemical Communications, 2012, 48, 1517-1519.	2.2	35

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109	Slow science. Nature Chemistry, 2012, 4, 588-589.	6.6	23
110	Ultra-precise insertion of functional monomers in chain-growth polymerizations. Nature Communications, 2012, 3, .	5.8	171
111	Controlling Polymer Primary Structure Using CRP: Synthesis of Sequence-Controlled and Sequence-Defined Polymers. ACS Symposium Series, 2012, , 1-12.	0.5	5
112	New methods of polymer synthesis. Polymer Chemistry, 2012, 3, 1677.	1.9	13
113	Controlled folding of polystyrene single chains: design of asymmetric covalent bridges. Polymer Chemistry, 2012, 3, 1796-1802.	1.9	62
114	Polymer Science: The Next Generation. Macromolecular Rapid Communications, 2012, 33, 721-721.	2.0	3
115	Controlled Positioning of Activated Ester Moieties on Wellâ€Defined Linear Polymer Chains. Macromolecular Rapid Communications, 2012, 33, 54-60.	2.0	50
116	Tuning the lower critical solution temperature of thermoresponsive polymers by biospecific recognition. Polymer Chemistry, 2011, 2, 1486.	1.9	41
117	Synthesis and self-assembly of amphiphilic semi-brush and dual brush block copolymers in solution and on surfaces. Polymer Chemistry, 2011, 2, 137-147.	1.9	31
118	Orthogonal modification of polymer chain-ends via sequential nitrile oxideâ€“alkyne and azideâ€“alkyne Huisgen cycloadditions. Polymer Chemistry, 2011, 2, 372-375.	1.9	34
119	Single-chain technology using discrete synthetic macromolecules. Nature Chemistry, 2011, 3, 917-924.	6.6	348
120	Well-Defined Uncharged Polymers with a Sharp UCST in Water and in Physiological Milieu. Macromolecules, 2011, 44, 413-415.	2.2	131
121	Controlled folding of synthetic polymer chains through the formation of positionable covalent bridges. Nature Chemistry, 2011, 3, 234-238.	6.6	243
122	Catalytic accordions. Nature, 2011, 473, 40-41.	13.7	45
123	PEGylation Improves Nanoparticle Formation and Transfection Efficiency of Messenger RNA. Pharmaceutical Research, 2011, 28, 2223-2232.	1.7	43
124	Assembly and Degradation of Lowâ€Fouling Clickâ€Functionalized Poly(ethylene glycol)â€Based Multilayer Films and Capsules. Small, 2011, 7, 1075-1085.	5.2	55
125	Tailored Polymer Microstructures Prepared by Atom Transfer Radical Copolymerization of Styrene and <i>N</i>â€substituted Maleimides. Macromolecular Rapid Communications, 2011, 32, 127-135.	2.0	130
126	Precision Macromolecular Chemistry. Macromolecular Rapid Communications, 2011, 32, 113-114.	2.0	15

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127	Thermoâ€Switchable Materials Prepared Using the OEGMAâ€Platform. Advanced Materials, 2011, 23, 2237-2243.	11.1	378
128	Precision Synthesis of Biodegradable Polymers. Angewandte Chemie - International Edition, 2011, 50, 9244-9246.	7.2	91
129	Sequence-controlled polymerizations: the next Holy Grail in polymer science?. Polymer Chemistry, 2010, 1, 55.	1.9	389
130	Tailorâ€Made Soluble Polymer Supports: Synthesis of a Series of ATRP Initiators Containing Labile Wang Linkers. Macromolecular Chemistry and Physics, 2010, 211, 940-947.	1.1	19
131	A controlled sequence of events. Nature Chemistry, 2010, 2, 84-85.	6.6	137
132	Thermoresponsive PEG-Based Polymer Layers: Surface Characterization with AFM Force Measurements. Langmuir, 2010, 26, 3462-3467.	1.6	64
133	Smart PEGylation of Trypsin. Biomacromolecules, 2010, 11, 2130-2135.	2.6	67
134	Facile Synthesis of Functional Periodic Copolymers: A Step toward Polymer-Based Molecular Arrays.. Macromolecules, 2010, 43, 44-50.	2.2	92
135	Characterization of Tailor-Made Copolymers of Oligo(ethylene glycol) Methyl Ether Methacrylate and <i>N</i>,<i>N</i>-Dimethylaminoethyl Methacrylate as Nonviral Gene Transfer Agents: Influence of Macromolecular Structure on Gene Vector Particle Properties and Transfection Efficiency. Biomacromolecules, 2010, 11, 39-50.	2.6	61
136	Smart bioactive surfaces. Soft Matter, 2010, 6, 705-713.	1.2	72
137	Well-defined synthetic polymers with a protein-like gelation behavior in water. Chemical Communications, 2010, 46, 4517.	2.2	47
138	Monitoring cell detachment on PEG-based thermoresponsive surfaces using TIRF microscopy. Soft Matter, 2010, 6, 4262.	1.2	43
139	Smart Polymer Surfaces: Concepts and Applications in Biosciences. Advances in Polymer Science, 2010, , 1-33.	0.4	27
140	PEG-based thermogels: Applicability in physiological media. Journal of Controlled Release, 2009, 140, 224-229.	4.8	97
141	Tuning the Thickness of Polymer Brushes Grafted from Nonlinearly Growing Multilayer Assemblies. Langmuir, 2009, 25, 5949-5956.	1.6	35
142	Sequence control in polymer synthesis. Chemical Society Reviews, 2009, 38, 3383.	18.7	456
143	Metal-Free â€œClickâ€•Chemistry: Efficient Polymer Modification via 1,3-Dipolar Cycloaddition of Nitrile Oxides and Alkynes. Macromolecules, 2009, 42, 5411-5413.	2.2	75
144	Liquid-Phase Synthesis of Block Copolymers Containing Sequence-Ordered Segments. Journal of the American Chemical Society, 2009, 131, 9195-9197.	6.6	169

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145	Fabrication of Colloidal Stable, Thermosensitive, and Biocompatible Magnetite Nanoparticles and Study of Their Reversible Agglomeration in Aqueous Milieu. Chemistry of Materials, 2009, 21, 1906-1914.	3.2	90
146	Design of Oligo(ethylene glycol)-Based Thermoresponsive Polymers: an Optimization Study. Designed Monomers and Polymers, 2009, 12, 343-353.	0.7	87
147	Thermogelation of PEG-Based Macromolecules of Controlled Architecture. Macromolecules, 2009, 42, 33-36.	2.2	90
148	Synthesis of Smart Materials by ATRP of Oligo(Ethylene Glycol) Methacrylates. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 37-47.	0.5	3
149	Design of Thermoresponsive Materials by ATRP of Oligo(ethylene glycol)-based (Macro)monomers. ACS Symposium Series, 2009, , 189-202.	0.5	26
150	PEGylated Chromatography: Efficient Bioseparation on Silica Monoliths Grafted with Smart Biocompatible Polymers. ACS Applied Materials & Interfaces, 2009, 1, 1869-1872.	4.0	45
151	Polymer- and Colloid-Functionalization Using a Combination Of ATRP and Click Chemistry. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 133-143.	0.5	0
152	Polymerization of oligo(ethylene glycol) (meth)acrylates: Toward new generations of smart biocompatible materials. Journal of Polymer Science Part A, 2008, 46, 3459-3470.	2.5	1,079
153	A â€œClickâ€•Strategy for Tuning in situ the Hydrophilicâ€“Hydrophobic Balance of AB Macrosurfactants. Macromolecular Rapid Communications, 2008, 29, 1161-1166.	2.0	23
154	Development of a Library of <i>N</i>â€Substituted Maleimides for the Local Functionalization of Linear Polymer Chains. Chemistry - A European Journal, 2008, 14, 10949-10957.	1.7	118
155	Copperâ€Free Azideâ€“Alkyne Cycloadditions: New Insights and Perspectives. Angewandte Chemie - International Edition, 2008, 47, 2182-2184.	7.2	301
156	Controlled Cell Adhesion on PEGâ€Based Switchable Surfaces. Angewandte Chemie - International Edition, 2008, 47, 5666-5668.	7.2	347
157	Modular chemical tools for advanced macromolecular engineering. Polymer, 2008, 49, 817-824.	1.8	101
158	Modern trends in polymer bioconjugates design. Progress in Polymer Science, 2008, 33, 1-39.	11.8	500
159	Efficient construction of therapeutics, bioconjugates, biomaterials and bioactive surfaces using azideâ€“alkyne â€œclickâ€•chemistry. Advanced Drug Delivery Reviews, 2008, 60, 958-970.	6.6	495
160	Easy Access to Bioactive Peptideâˆ’Polymer Conjugates via RAFT. Macromolecules, 2008, 41, 1073-1075.	2.2	109
161	'Click' Bioconjugation of a Well-Defined Synthetic Polymer and a Protein Transduction Domain. Australian Journal of Chemistry, 2007, 60, 410.	0.5	70
162	About the Phase Transitions in Aqueous Solutions of Thermoresponsive Copolymers and Hydrogels Based on 2-(2-methoxyethoxy)ethyl Methacrylate and Oligo(ethylene glycol) Methacrylate. Macromolecules, 2007, 40, 2503-2508.	2.2	437

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163	A Facile Procedure for Controlling Monomer Sequence Distribution in Radical Chain Polymerizations. Journal of the American Chemical Society, 2007, 129, 9542-9543.	6.6	304
164	Investigation of a dual set of driving forces (hydrophobic + electrostatic) for the two-step fabrication of defined block copolymer micelles. Soft Matter, 2007, 3, 694-698.	1.2	19
165	Design, Synthesis, and Aqueous Aggregation Behavior of Nonionic Single and Multiple Thermoresponsive Polymers. Langmuir, 2007, 23, 84-93.	1.6	179
166	Biocompatible, Thermoresponsive, and Biodegradable:â€‰ Simple Preparation of â€œAll-in-Oneâ€•Biorelevant Polymers. Macromolecules, 2007, 40, 8540-8543.	2.2	274
167	1,3-Dipolar Cycloadditions of Azides and Alkynes: A Universal Ligation Tool in Polymer and Materials Science. Angewandte Chemie - International Edition, 2007, 46, 1018-1025.	7.2	1,413
168	<i>In Situ</i> Functionalization of Thermoresponsive Polymeric Micelles using the â€œClickâ€• Cycloaddition of Azides and Alkynes. QSAR and Combinatorial Science, 2007, 26, 1151-1158.	1.5	35
169	One-Pot Synthesis of PEGylated Ultrasmall Iron-Oxide Nanoparticles and Their in Vivo Evaluation as Magnetic Resonance Imaging Contrast Agents. Biomacromolecules, 2006, 7, 3132-3138.	2.6	243
170	Point by Point Comparison of Two Thermosensitive Polymers Exhibiting a Similar LCST:Â Is the Age of Poly(NIPAM) Over?. Journal of the American Chemical Society, 2006, 128, 13046-13047.	6.6	1,125
171	Preparation of Ideal PEG Analogues with a Tunable Thermosensitivity by Controlled Radical Copolymerization of 2-(2-Methoxyethoxy)ethyl Methacrylate and Oligo(ethylene glycol) Methacrylate. Macromolecules, 2006, 39, 893-896.	2.2	792
172	Combining ATRP and â€œClickâ€•Chemistry:Â a Promising Platform toward Functional Biocompatible Polymers and Polymer Bioconjugates. Macromolecules, 2006, 39, 6376-6383.	2.2	264
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