

Jean-Francois Lutz

List of Publications by Year in descending order

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200
papers

21,353
citations

13865

67
h-index

9345

143
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233
all docs

233
docs citations

233
times ranked

12471
citing authors

#	ARTICLE	IF	CITATIONS
1	1,3-Dipolar Cycloadditions of Azides and Alkynes: A Universal Ligation Tool in Polymer and Materials Science. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1018-1025.	13.8	1,413
2	Point by Point Comparison of Two Thermosensitive Polymers Exhibiting a Similar LCST: Is the Age of Poly(NIPAM) Over?. <i>Journal of the American Chemical Society</i> , 2006, 128, 13046-13047.	13.7	1,125
3	Sequence-Controlled Polymers. <i>Science</i> , 2013, 341, 1238-149.	12.6	1,097
4	Polymerization of oligo(ethylene glycol) (meth)acrylates: Toward new generations of smart biocompatible materials. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3459-3470.	2.3	1,079
5	Preparation of Ideal PEG Analogues with a Tunable Thermosensitivity by Controlled Radical Copolymerization of 2-(2-Methoxyethoxy)ethyl Methacrylate and Oligo(ethylene glycol) Methacrylate. <i>Macromolecules</i> , 2006, 39, 893-896.	4.8	792
6	From precision polymers to complex materials and systems. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	725
7	Modern trends in polymer bioconjugates design. <i>Progress in Polymer Science</i> , 2008, 33, 1-39.	24.7	500
8	Efficient construction of therapeutics, bioconjugates, biomaterials and bioactive surfaces using azide-alkyne click chemistry. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 958-970.	13.7	495
9	Sequence control in polymer synthesis. <i>Chemical Society Reviews</i> , 2009, 38, 3383.	38.1	456
10	About the Phase Transitions in Aqueous Solutions of Thermoresponsive Copolymers and Hydrogels Based on 2-(2-methoxyethoxy)ethyl Methacrylate and Oligo(ethylene glycol) Methacrylate. <i>Macromolecules</i> , 2007, 40, 2503-2508.	4.8	437
11	Sequence-controlled polymerizations: the next Holy Grail in polymer science?. <i>Polymer Chemistry</i> , 2010, 1, 55.	3.9	389
12	Thermo-switchable Materials Prepared Using the OEGMA Platform. <i>Advanced Materials</i> , 2011, 23, 2237-2243.	21.0	378
13	Single-chain technology using discrete synthetic macromolecules. <i>Nature Chemistry</i> , 2011, 3, 917-924.	13.6	348
14	Controlled Cell Adhesion on PEG-Based Switchable Surfaces. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5666-5668.	13.8	347
15	A Facile Procedure for Controlling Monomer Sequence Distribution in Radical Chain Polymerizations. <i>Journal of the American Chemical Society</i> , 2007, 129, 9542-9543.	13.7	304
16	Copper-Free Azide-Alkyne Cycloadditions: New Insights and Perspectives. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2182-2184.	13.8	301
17	Multicompartment Micelles Formed by Self-Assembly of Linear ABC Triblock Copolymers in Aqueous Medium. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5262-5265.	13.8	285
18	Combining Atom Transfer Radical Polymerization and Click Chemistry: A Versatile Method for the Preparation of End-Functional Polymers. <i>Macromolecular Rapid Communications</i> , 2005, 26, 514-518.	3.9	277

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19	Biocompatible, Thermoresponsive, and Biodegradable: Simple Preparation of All-in-One Biorelevant Polymers. <i>Macromolecules</i> , 2007, 40, 8540-8543.	4.8	274
20	Stereoblock Copolymers and Tacticity Control in Controlled/Living Radical Polymerization. <i>Journal of the American Chemical Society</i> , 2003, 125, 6986-6993.	13.7	264
21	Combining ATRP and Click Chemistry: A Promising Platform toward Functional Biocompatible Polymers and Polymer Bioconjugates. <i>Macromolecules</i> , 2006, 39, 6376-6383.	4.8	264
22	Design and synthesis of digitally encoded polymers that can be decoded and erased. <i>Nature Communications</i> , 2015, 6, 7237.	12.8	260
23	One-Pot Synthesis of PEGylated Ultrasmall Iron-Oxide Nanoparticles and Their in Vivo Evaluation as Magnetic Resonance Imaging Contrast Agents. <i>Biomacromolecules</i> , 2006, 7, 3132-3138.	5.4	243
24	Controlled folding of synthetic polymer chains through the formation of positionable covalent bridges. <i>Nature Chemistry</i> , 2011, 3, 234-238.	13.6	243
25	Information-containing macromolecules. <i>Nature Chemistry</i> , 2014, 6, 455-456.	13.6	189
26	Synthesis of Non-Natural Sequence-Encoded Polymers Using Phosphoramidite Chemistry. <i>Journal of the American Chemical Society</i> , 2015, 137, 5629-5635.	13.7	180
27	Design, Synthesis, and Aqueous Aggregation Behavior of Nonionic Single and Multiple Thermoresponsive Polymers. <i>Langmuir</i> , 2007, 23, 84-93.	3.5	179
28	Ultra-precise insertion of functional monomers in chain-growth polymerizations. <i>Nature Communications</i> , 2012, 3, .	12.8	171
29	Coding Macromolecules: Inputting Information in Polymers Using Monomer-Based Alphabets. <i>Macromolecules</i> , 2015, 48, 4759-4767.	4.8	171
30	Liquid-Phase Synthesis of Block Copolymers Containing Sequence-Ordered Segments. <i>Journal of the American Chemical Society</i> , 2009, 131, 9195-9197.	13.7	169
31	Nuclear magnetic resonance monitoring of chain-end functionality in the atom transfer radical polymerization of styrene. <i>Journal of Polymer Science Part A</i> , 2005, 43, 897-910.	2.3	168
32	Defining the Field of Sequence-Controlled Polymers. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700582.	3.9	164
33	Reading Polymers: Sequencing of Natural and Synthetic Macromolecules. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13010-13019.	13.8	152
34	Multicompartment Micelles: Has the Long-Standing Dream Become a Reality?. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 813-817.	2.2	149
35	Living Radical Polymerization: Use of an Excess of Nitroxide as a Rate Moderator. <i>Macromolecules</i> , 2001, 34, 8866-8871.	4.8	141
36	Writing on Polymer Chains. <i>Accounts of Chemical Research</i> , 2013, 46, 2696-2705.	15.6	141

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37	Synthesis of Monodisperse Sequence-Coded Polymers with Chain Lengths above DP100. ACS Macro Letters, 2015, 4, 1077-1080.	4.8	141
38	A controlled sequence of events. Nature Chemistry, 2010, 2, 84-85.	13.6	137
39	Synthesis of Well-Defined Alternating Copolymers by Controlled/Living Radical Polymerization in the Presence of Lewis Acids. Macromolecules, 2003, 36, 3136-3145.	4.8	135
40	Well-Defined Uncharged Polymers with a Sharp UCST in Water and in Physiological Milieu. Macromolecules, 2011, 44, 413-415.	4.8	131
41	Tailored Polymer Microstructures Prepared by Atom Transfer Radical Copolymerization of Styrene and <i>N</i> -substituted Maleimides. Macromolecular Rapid Communications, 2011, 32, 127-135.	3.9	130
42	Solution self-assembly of tailor-made macromolecular building blocks prepared by controlled radical polymerization techniques. Polymer International, 2006, 55, 979-993.	3.1	129
43	Development of a Library of <i>N</i> -substituted Maleimides for the Local Functionalization of Linear Polymer Chains. Chemistry - A European Journal, 2008, 14, 10949-10957.	3.3	118
44	Block and random copolymers as surfactants for dispersion polymerization. I. Synthesis via atom transfer radical polymerization and ring-opening polymerization. Journal of Polymer Science Part A, 2005, 43, 1498-1510.	2.3	111
45	Easy Access to Bioactive Peptide~Polymer Conjugates via RAFT. Macromolecules, 2008, 41, 1073-1075.	4.8	109
46	Chemoselective Synthesis of Uniform Sequence-Coded Polyurethanes and Their Use as Molecular Tags. Chem, 2016, 1, 114-126.	11.7	108
47	Synthesis of Molecularly Encoded Oligomers Using a Chemoselective α AB + CD Iterative Approach. Macromolecular Rapid Communications, 2014, 35, 141-145.	3.9	105
48	Orthogonal Synthesis of "Easy-to-Read" Information-Containing Polymers Using Phosphoramidite and Radical Coupling Steps. Journal of the American Chemical Society, 2016, 138, 9417-9420.	13.7	104
49	Modular chemical tools for advanced macromolecular engineering. Polymer, 2008, 49, 817-824.	3.8	101
50	Controlled/Living Radical Polymerization of Methacrylic Monomers in the Presence of Lewis Acids: Influence on Tacticity. Macromolecular Rapid Communications, 2004, 25, 486-492.	3.9	100
51	Kinetic modeling of the chain-end functionality in atom transfer radical polymerization. Macromolecular Chemistry and Physics, 2002, 203, 1385-1395.	2.2	99
52	PEG-based thermogels: Applicability in physiological media. Journal of Controlled Release, 2009, 140, 224-229.	9.9	97
53	Mass spectrometry sequencing of long digital polymers facilitated by programmed inter-byte fragmentation. Nature Communications, 2017, 8, 967.	12.8	96
54	Facile Synthesis of Functional Periodic Copolymers: A Step toward Polymer-Based Molecular Arrays.. Macromolecules, 2010, 43, 44-50.	4.8	92

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55	Compartmentalization of Single Polymer Chains by Stepwise Intramolecular Cross-Linking of Sequence-Controlled Macromolecules. <i>Journal of the American Chemical Society</i> , 2014, 136, 12888-12891.	13.7	92
56	Precision Synthesis of Biodegradable Polymers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9244-9246.	13.8	91
57	Fabrication of Colloidal Stable, Thermosensitive, and Biocompatible Magnetite Nanoparticles and Study of Their Reversible Agglomeration in Aqueous Milieu. <i>Chemistry of Materials</i> , 2009, 21, 1906-1914.	6.7	90
58	Thermogelation of PEG-Based Macromolecules of Controlled Architecture. <i>Macromolecules</i> , 2009, 42, 33-36.	4.8	90
59	Design of Oligo(ethylene glycol)-Based Thermoresponsive Polymers: an Optimization Study. <i>Designed Monomers and Polymers</i> , 2009, 12, 343-353.	1.6	87
60	Synthesis of Monodisperse Sequence-Defined Polymers Using Protecting-Group-Free Iterative Strategies. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1498-1506.	2.2	85
61	Preparation and characterization of graft terpolymers with controlled molecular structure. <i>Journal of Polymer Science Part A</i> , 2004, 42, 1939-1952.	2.3	82
62	Synthesis of Well-Defined Alternating Copolymers Poly(methyl methacrylate-alt-styrene) by RAFT Polymerization in the Presence of Lewis Acid. <i>Macromolecules</i> , 2002, 35, 2448-2451.	4.8	79
63	Metal-Free "Click" Chemistry: Efficient Polymer Modification via 1,3-Dipolar Cycloaddition of Nitrile Oxides and Alkynes. <i>Macromolecules</i> , 2009, 42, 5411-5413.	4.8	75
64	Smart bioactive surfaces. <i>Soft Matter</i> , 2010, 6, 705-713.	2.7	72
65	'Click' Bioconjugation of a Well-Defined Synthetic Polymer and a Protein Transduction Domain. <i>Australian Journal of Chemistry</i> , 2007, 60, 410.	0.9	70
66	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000216.	2.2	69
67	The Persistent Radical Effect in Nitroxide Mediated Polymerization: Experimental Validity. <i>Macromolecular Rapid Communications</i> , 2001, 22, 189-193.	3.9	68
68	Smart PEGylation of Trypsin. <i>Biomacromolecules</i> , 2010, 11, 2130-2135.	5.4	67
69	Coding in 2D: Using Intentional Dispersity to Enhance the Information Capacity of Sequence-Coded Polymer Barcodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10722-10725.	13.8	67
70	Influence of Strong Electron-Donor Monomers in Sequence-Controlled Polymerizations. <i>ACS Macro Letters</i> , 2012, 1, 589-592.	4.8	66
71	Polymer-Chain Encoding: Synthesis of Highly Complex Monomer Sequence Patterns by Using Automated Protocols. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12254-12257.	13.8	66
72	Synthesis of Single-Chain Sugar Arrays. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2335-2339.	13.8	66

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73	Preparation by controlled radical polymerization and self-assembly via base-recognition of synthetic polymers bearing complementary nucleobases. <i>Journal of Polymer Science Part A</i> , 2005, 43, 4805-4818.	2.3	65
74	Anionic Polymerization of Phenyl Glycidyl Ether in Miniemulsion. <i>Macromolecules</i> , 2000, 33, 7730-7736.	4.8	64
75	Thermoresponsive PEG-Based Polymer Layers: Surface Characterization with AFM Force Measurements. <i>Langmuir</i> , 2010, 26, 3462-3467.	3.5	64
76	Controlled folding of polystyrene single chains: design of asymmetric covalent bridges. <i>Polymer Chemistry</i> , 2012, 3, 1796-1802.	3.9	62
77	MS/MS Sequencing of Digitally Encoded Poly(alkoxyamine amide)s. <i>Macromolecules</i> , 2015, 48, 4319-4328.	4.8	62
78	Characterization of Tailor-Made Copolymers of Oligo(ethylene glycol) Methyl Ether Methacrylate and <i>N,N</i> -Dimethylaminoethyl Methacrylate as Nonviral Gene Transfer Agents: Influence of Macromolecular Structure on Gene Vector Particle Properties and Transfection Efficiency. <i>Biomacromolecules</i> , 2010, 11, 39-50.	5.4	61
79	Aperiodic Copolymers. <i>ACS Macro Letters</i> , 2014, 3, 1020-1023.	4.8	60
80	DNA-like "Melting" of Adenine- and Thymine-Functionalized Synthetic Copolymers. <i>Macromolecules</i> , 2005, 38, 8124-8126.	4.8	58
81	Microstructure Control: An Underestimated Parameter in Recent Polymer Design. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 135-142.	2.2	58
82	Use of an Immobilized/Soluble Hybrid ATRP Catalyst System for the Preparation of Block Copolymers, Random Copolymers, and Polymers with High Degree of Chain End Functionality. <i>Macromolecules</i> , 2003, 36, 1075-1082.	4.8	57
83	Preparation of Well-Defined Diblock Copolymers with Short Polypeptide Segments by Polymerization of <i>N</i> -Carboxy Anhydrides. <i>Macromolecular Rapid Communications</i> , 2005, 26, 23-28.	3.9	57
84	Aerolysin nanopores decode digital information stored in tailored macromolecular analytes. <i>Science Advances</i> , 2020, 6, .	10.3	57
85	Assembly and Degradation of Low "Fouling Click" Functionalized Poly(ethylene glycol)-Based Multilayer Films and Capsules. <i>Small</i> , 2011, 7, 1075-1085.	10.0	55
86	Identification-Tagging of Methacrylate-Based Intraocular Implants Using Sequence Defined Polyurethane Barcodes. <i>Advanced Functional Materials</i> , 2017, 27, 1604595.	14.9	53
87	Complex single-chain polymer topologies locked by positionable twin disulfide cyclic bridges. <i>Chemical Communications</i> , 2014, 50, 1570.	4.1	52
88	Model-Based Design To Push the Boundaries of Sequence Control. <i>Macromolecules</i> , 2016, 49, 9336-9344.	4.8	51
89	Photo-editable macromolecular information. <i>Nature Communications</i> , 2019, 10, 3774.	12.8	51
90	Controlled Positioning of Activated Ester Moieties on Well-Defined Linear Polymer Chains. <i>Macromolecular Rapid Communications</i> , 2012, 33, 54-60.	3.9	50

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91	Preparation of Information-Containing Macromolecules by Ligation of Dyad-Encoded Oligomers. <i>Chemistry - A European Journal</i> , 2015, 21, 11961-11965.	3.3	50
92	MS/MS Digital Readout: Analysis of Binary Information Encoded in the Monomer Sequences of Poly(triazole amide)s. <i>Analytical Chemistry</i> , 2016, 88, 3715-3722.	6.5	50
93	A Simple Post-Polymerization Modification Method for Controlling Side-Chain Information in Digital Polymers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7297-7301.	13.8	50
94	N-tert-Butyl-1-diethylphosphono-2,2-dimethylpropyl nitroxide as counter radical in the controlled free radical polymerization of styrene: kinetic aspects. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 662-669.	2.2	49
95	Abiotic Sequence-Coded Oligomers as Efficient In-Vivo Taggants for the Identification of Implanted Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10574-10578.	13.8	48
96	Well-defined synthetic polymers with a protein-like gelation behavior in water. <i>Chemical Communications</i> , 2010, 46, 4517.	4.1	47
97	PEGylated Chromatography: Efficient Bioseparation on Silica Monoliths Grafted with Smart Biocompatible Polymers. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1869-1872.	8.0	45
98	Catalytic accordions. <i>Nature</i> , 2011, 473, 40-41.	27.8	45
99	Convergent synthesis of digitally-encoded poly(alkoxyamine amide)s. <i>Chemical Communications</i> , 2015, 51, 15677-15680.	4.1	44
100	Cleavable Binary Dyads: Simplifying Data Extraction and Increasing Storage Density in Digital Polymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6266-6269.	13.8	44
101	Synthesis and Properties of Copolymers with Tailored Sequence Distribution by Controlled/Living Radical Polymerization. <i>ACS Symposium Series</i> , 2003, , 268-282.	0.5	43
102	Monitoring cell detachment on PEG-based thermoresponsive surfaces using TIRF microscopy. <i>Soft Matter</i> , 2010, 6, 4262.	2.7	43
103	PEGylation Improves Nanoparticle Formation and Transfection Efficiency of Messenger RNA. <i>Pharmaceutical Research</i> , 2011, 28, 2223-2232.	3.5	43
104	MS-DECODER: Milliseconds Sequencing of Coded Polymers. <i>Macromolecules</i> , 2017, 50, 8290-8296.	4.8	43
105	2D Sequence-Coded Oligourethane Barcodes for Plastic Materials Labeling. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700426.	3.9	43
106	Tuning the lower critical solution temperature of thermoresponsive polymers by biospecific recognition. <i>Polymer Chemistry</i> , 2011, 2, 1486.	3.9	41
107	Synthesis and Characterization of Sequence-Controlled Semicrystalline Comb Copolymers: Influence of Primary Structure on Materials Properties. <i>Macromolecules</i> , 2014, 47, 1570-1577.	4.8	41
108	100th Anniversary of Macromolecular Science Viewpoint: Toward Artificial Life-Supporting Macromolecules. <i>ACS Macro Letters</i> , 2020, 9, 185-189.	4.8	40

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109	High-Capacity Digital Polymers: Storing Images in Single Molecules. <i>Macromolecules</i> , 2020, 53, 4022-4029.	4.8	39
110	Properties of well-defined alternating and random copolymers of methacrylates and styrene prepared by controlled/living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 3440-3446.	2.3	37
111	Preparation of Segmented Copolymers in the Presence of an Immobilized/Soluble Hybrid ATRP Catalyst System. <i>Macromolecules</i> , 2003, 36, 27-35.	4.8	36
112	â€œInverseâ€•synthesis of polymer bioconjugates using soluble supports. <i>Chemical Communications</i> , 2012, 48, 3887.	4.1	36
113	Precision PEGylated Polymers Obtained by Sequenceâ€•Controlled Copolymerization and Postpolymerization Modification. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9231-9235.	13.8	36
114	MS/MS-Assisted Design of Sequence-Controlled Synthetic Polymers for Improved Reading of Encoded Information. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1149-1159.	2.8	36
115	<i>In Situ</i> Functionalization of Thermoresponsive Polymeric Micelles using the â€œClickâ€• Cycloaddition of Azides and Alkynes. <i>QSAR and Combinatorial Science</i> , 2007, 26, 1151-1158.	1.4	35
116	Tuning the Thickness of Polymer Brushes Grafted from Nonlinearly Growing Multilayer Assemblies. <i>Langmuir</i> , 2009, 25, 5949-5956.	3.5	35
117	Precision polyelectrolytes. <i>Chemical Communications</i> , 2012, 48, 1517-1519.	4.1	35
118	Orthogonal modification of polymer chain-ends via sequential nitrile oxideâ€•alkyne and azideâ€•alkyne Huisgen cycloadditions. <i>Polymer Chemistry</i> , 2011, 2, 372-375.	3.9	34
119	Sequences of Sequences: Spatial Organization of Coded Matter through Layerâ€•byâ€•Layer Assembly of Digital Polymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15817-15821.	13.8	32
120	Synthesis and self-assembly of amphiphilic semi-brush and dual brush block copolymers in solution and on surfaces. <i>Polymer Chemistry</i> , 2011, 2, 137-147.	3.9	31
121	On the influence of the architecture of poly(ethylene glycol)-based thermoresponsive polymers on cell adhesion. <i>Biomicrofluidics</i> , 2012, 6, 024129.	2.4	30
122	Controlling the structure of sequenceâ€•defined poly(phosphodiester)s for optimal MS/MS reading of digital information. <i>Journal of Mass Spectrometry</i> , 2017, 52, 788-798.	1.6	29
123	H-Bonding-Directed Self-Assembly of Synthetic Copolymers Containing Nucleobases:Â Organization and Colloidal Fusion in a Noncompetitive Solvent. <i>Langmuir</i> , 2006, 22, 7411-7415.	3.5	28
124	Smart Polymer Surfaces: Concepts and Applications in Biosciences. <i>Advances in Polymer Science</i> , 2010, , 1-33.	0.8	27
125	Tandem mass spectrometry sequencing in the negative ion mode to read binary information encoded in sequenceâ€•defined poly(alkoxyamine amide)s. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 22-28.	1.5	27
126	Translocation of Precision Polymers through Biological Nanopores. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700680.	3.9	27

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127	Intramolecular Hydrogen Bonding: The Case of α^2 -Phosphorylated Nitroxide (=Aminoxyl) Radical. <i>Helvetica Chimica Acta</i> , 2006, 89, 2119-2132.	1.6	26
128	Design of Thermoresponsive Materials by ATRP of Oligo(ethylene glycol)-based (Macro)monomers. <i>ACS Symposium Series</i> , 2009, , 189-202.	0.5	26
129	Efficient Protocol for the Synthesis of α -Coded Oligo- and Poly(α -Substituted) Tj ETQq1 1 0.784314 rgBT/Overlo 4.8	4.8	26
130	Design of Abiological Digital Poly(phosphodiester)s. <i>Accounts of Chemical Research</i> , 2021, 54, 1791-1800.	15.6	25
131	A "Click" Strategy for Tuning in situ the Hydrophilic-Hydrophobic Balance of AB Macro surfactants. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1161-1166.	3.9	23
132	Slow science. <i>Nature Chemistry</i> , 2012, 4, 588-589.	13.6	23
133	On the synthesis of sequence-controlled poly(vinyl benzyl amine-co-N-substituted maleimides) copolymers. <i>European Polymer Journal</i> , 2015, 62, 338-346.	5.4	22
134	Damage and Repair in Informational Poly(α -substituted urethane)s. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20390-20393.	13.8	22
135	Kinetics and Molar Mass Evolution during Atom Transfer Radical Polymerization of n-Butyl Acrylate Using Automatic Continuous Online Monitoring. <i>Macromolecules</i> , 2005, 38, 9556-9563.	4.8	21
136	On the Interaction of Adherent Cells with Thermoresponsive Polymer Coatings. <i>Polymers</i> , 2014, 6, 1164-1177.	4.5	20
137	Primary Structure Control of Oligomers Based on Natural and Synthetic Building Blocks. <i>ACS Macro Letters</i> , 2014, 3, 291-294.	4.8	20
138	Synthesis of oligoarylacetylenes with defined conjugated sequences using tailor-made soluble polymer supports. <i>Chemical Communications</i> , 2017, 53, 8312-8315.	4.1	20
139	Revealing Data Encrypted in Sequence-Controlled Poly(Alkoxyamine Phosphodiester)s by Combining Ion Mobility with Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 7266-7272.	6.5	20
140	Investigation of a dual set of driving forces (hydrophobic + electrostatic) for the two-step fabrication of defined block copolymer micelles. <i>Soft Matter</i> , 2007, 3, 694-698.	2.7	19
141	Tailor-Made Soluble Polymer Supports: Synthesis of a Series of ATRP Initiators Containing Labile Wang Linkers. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 940-947.	2.2	19
142	Effects of PEG-Based Thermoresponsive Polymer Brushes on Fibroblast Spreading and Gene Expression. <i>Cellular and Molecular Bioengineering</i> , 2013, 6, 287-298.	2.1	18
143	Sequence-controlled polymerization using dendritic macromonomers: precise chain-positioning of bulky functional clusters. <i>Chemical Communications</i> , 2013, 49, 7280.	4.1	18
144	Synthesis of Well-Defined Polystyrene Rink Amide Soluble Supports and Their Use in Peptide Synthesis. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1984-1990.	2.2	18

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145	Coding in 2D: Using Intentional Dispersity to Enhance the Information Capacity of Sequence-Coded Polymer Barcodes. <i>Angewandte Chemie</i> , 2016, 128, 10880-10883.	2.0	18
146	Eine einfache Methode der nachträglichen Modifizierung zur Kontrolle der Seitenketteninformation digitaler Polymere. <i>Angewandte Chemie</i> , 2017, 129, 7403-7407.	2.0	18
147	Chemical conjugation of nucleic acid aptamers and synthetic polymers. <i>Polymer Chemistry</i> , 2021, 12, 3498-3509.	3.9	18
148	Negative mode MS/MS to read digital information encoded in sequence-defined oligo(urethane)s: A mechanistic study. <i>International Journal of Mass Spectrometry</i> , 2017, 421, 271-278.	1.5	17
149	Can Life Emerge from Synthetic Polymers?. <i>Israel Journal of Chemistry</i> , 2020, 60, 151-159.	2.3	16
150	Precision Macromolecular Chemistry. <i>Macromolecular Rapid Communications</i> , 2011, 32, 113-114.	3.9	15
151	About the Crystallization of Abiotic Coded Matter. <i>ACS Macro Letters</i> , 2019, 8, 779-782.	4.8	15
152	Cleavable Binary Dyads: Simplifying Data Extraction and Increasing Storage Density in Digital Polymers. <i>Angewandte Chemie</i> , 2018, 130, 6374-6377.	2.0	14
153	Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 917-926.	13.8	14
154	Desorption Electrospray Ionization (DESI) of Digital Polymers: Direct Tandem Mass Spectrometry Decoding and Imaging from Materials Surfaces. <i>Advanced Materials Technologies</i> , 2021, 6, 2001088.	5.8	14
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