

# Axel H E MÃ¼ller

## List of Publications by Year in descending order

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305  
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24,839  
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5896

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143  
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311  
all docs

311  
docs citations

311  
times ranked

15625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Janus Particles: Synthesis, Self-Assembly, Physical Properties, and Applications. Chemical Reviews, 2013, 113, 5194-5261.	47.7	1,512
2	Janus particles. Soft Matter, 2008, 4, 663.	2.7	798
3	Guided hierarchical co-assembly of soft patchy nanoparticles. Nature, 2013, 503, 247-251.	27.8	573
4	Cylindrical polymer brushes. Journal of Polymer Science Part A, 2005, 43, 3461-3481.	2.3	565
5	A New Double-Responsive Block Copolymer Synthesized via RAFT Polymerization:Â Poly(N-isopropylacrylamide)-block-poly(acrylic acid). Macromolecules, 2004, 37, 7861-7866.	4.8	524
6	Precise hierarchical self-assembly of multicompartment micelles. Nature Communications, 2012, 3, 710.	12.8	504
7	Amphiphilic Cylindrical Coreâ~Shell Brushes via a â€œGrafting Fromâ€•Process Using ATRP. Macromolecules, 2001, 34, 6883-6888.	4.8	439
8	Janus Micellesâ€. Macromolecules, 2001, 34, 1069-1075.	4.8	391
9	Amphiphilic Janus Micelles with Polystyrene and Poly(methacrylic acid) Hemispheres. Journal of the American Chemical Society, 2003, 125, 3260-3267.	13.7	348
10	Tuning the Thermoresponsive Properties of Weak Polyelectrolytes:â€‰ Aqueous Solutions of Star-Shaped and Linear Poly(<i>N,N</i>-dimethylaminoethyl Methacrylate). Macromolecules, 2007, 40, 8361-8366.	4.8	341
11	Benzyl and Cumyl Dithiocarbamates as Chain Transfer Agents in the RAFT Polymerization of N-Isopropylacrylamide. In Situ FT-NIR and MALDIâ~TOF MS Investigation. Macromolecules, 2002, 35, 6819-6827.	4.8	339
12	Molecular Parameters of Hyperbranched Polymers Made by Self-Condensing Vinyl Polymerization. 2. Degree of Branchingâ€. Macromolecules, 1997, 30, 7024-7033.	4.8	302
13	Janus Discs. Journal of the American Chemical Society, 2007, 129, 6187-6198.	13.7	296
14	Engineering Nanostructured Polymer Blends with Controlled Nanoparticle Location using Janus Particles. ACS Nano, 2008, 2, 1167-1178.	14.6	284
15	Emulsion Polymerization Using Janus Particles as Stabilizers. Angewandte Chemie - International Edition, 2008, 47, 711-714.	13.8	280
16	Self-assembly concepts for multicompartment nanostructures. Nanoscale, 2015, 7, 11841-11876.	5.6	279
17	Main Chain Conformation and Anomalous Elution Behavior of Cylindrical Brushes As Revealed by GPC/MALLS, Light Scattering, and SFMâ€•. Macromolecules, 1999, 32, 2629-2637.	4.8	254
18	Tuning the Thermoresponsiveness of Weak Polyelectrolytes by pH and Light:â€‰ Lower and Upper Critical-Solution Temperature of Poly(<i>N,N</i>-dimethylaminoethyl methacrylate). Journal of the American Chemical Society, 2007, 129, 14538-14539.	13.7	247

#	ARTICLE	IF	CITATIONS
19	Facile, Solution-Based Synthesis of Soft, Nanoscale Janus Particles with Tunable Janus Balance. <i>Journal of the American Chemical Society</i> , 2012, 134, 13850-13860.	13.7	247
20	Molecular Parameters of Hyperbranched Polymers Made by Self-Condensing Vinyl Polymerization. 1. Molecular Weight Distribution. <i>Macromolecules</i> , 1997, 30, 7015-7023.	4.8	235
21	Template-Controlled Synthesis of Wire-Like Cadmium Sulfide Nanoparticle Assemblies within Core-Shell Cylindrical Polymer Brushes. <i>Chemistry of Materials</i> , 2004, 16, 537-543.	6.7	235
22	Micellar interpolyelectrolyte complexes. <i>Chemical Society Reviews</i> , 2012, 41, 6888.	38.1	221
23	Water-soluble organo-silica hybrid nanowires. <i>Nature Materials</i> , 2008, 7, 718-722.	27.5	217
24	Copolymerization of n-Butyl Acrylate with Methyl Methacrylate and PMMA Macromonomers: A Comparison of Reactivity Ratios in Conventional and Atom Transfer Radical Copolymerization. <i>Macromolecules</i> , 1999, 32, 8331-8335.	4.8	213
25	Effect of Core-Forming Molecules on Molecular Weight Distribution and Degree of Branching in the Synthesis of Hyperbranched Polymers. <i>Macromolecules</i> , 1998, 31, 239-248.	4.8	195
26	Janus Cylinders. <i>Macromolecules</i> , 2003, 36, 7894-7898.	4.8	194
27	One-dimensional magnetic inorganic-organic hybrid nanomaterials. <i>Chemical Society Reviews</i> , 2011, 40, 640.	38.1	194
28	Surface Modification of Poly(divinylbenzene) Microspheres via Thiol-Ene Chemistry and Alkyne-Azide Click Reactions. <i>Macromolecules</i> , 2009, 42, 3707-3714.	4.8	192
29	Preparation of Hyperbranched Polyacrylates by Atom Transfer Radical Polymerization. 2. Kinetics and Mechanism of Chain Growth for the Self-Condensing Vinyl Polymerization of 2-((2-Bromopropionyl)oxy)ethyl Acrylate. <i>Macromolecules</i> , 1997, 30, 7034-7041.	4.8	189
30	Synthesis of Poly(n-butyl acrylate)-block-poly(acrylic acid) Diblock Copolymers by ATRP and Their Micellization in Water. <i>Macromolecules</i> , 2007, 40, 4338-4350.	4.8	187
31	Synthesis, Characterization and Behavior in Aqueous Solution of Star-Shaped Poly(acrylic acid). <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 1813-1825.	2.2	183
32	Polyelectrolyte Block Copolymer Micelles. <i>Advances in Polymer Science</i> , 0, , 173-210.	0.8	180
33	Hybrid Nanoparticles with Hyperbranched Polymer Shells via Self-Condensing Atom Transfer Radical Polymerization from Silica Surfaces. <i>Langmuir</i> , 2002, 18, 3682-3693.	3.5	173
34	Synthesis via RAFT Polymerization of Tadpole-Shaped Organic/Inorganic Hybrid Poly(acrylic acid) Containing Polyhedral Oligomeric Silsesquioxane (POSS) and Their Self-assembly in Water. <i>Macromolecules</i> , 2009, 42, 2563-2569.	4.8	168
35	Self-Assembly of Janus Cylinders into Hierarchical Superstructures. <i>Journal of the American Chemical Society</i> , 2009, 131, 4720-4728.	13.7	165
36	Thermo- and pH-Responsive Micelles of Poly(acrylic acid)-block-Poly(N,N-diethylacrylamide). <i>Macromolecular Rapid Communications</i> , 2005, 26, 558-563.	3.9	164

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37	Influence of Polymer Architecture and Molecular Weight of Poly(2-(dimethylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Biomacromolecules, 2011, 12, 4247-4255.	5.4	164
38	Self-Supporting, Double Stimuli-Responsive Porous Membranes From Polystyrene- <i>block</i> -poly( <i>N,N</i> -dimethylaminoethyl methacrylate) Diblock Copolymers. Advanced Functional Materials, 2009, 19, 1040-1045.	14.9	162
39	Self-Assembly of Poly(ionic liquid)s: Polymerization, Mesosstructure Formation, and Directional Alignment in One Step. Journal of the American Chemical Society, 2011, 133, 17556-17559.	13.7	157
40	Influence of Janus Particle Shape on Their Interfacial Behavior at Liquid-Liquid Interfaces. Langmuir, 2013, 29, 1388-1394.	3.5	147
41	Large Scale Domain Alignment of a Block Copolymer from Solution Using Electric Fields. Macromolecules, 2002, 35, 1319-1325.	4.8	142
42	Rational design of ABC triblock terpolymer solution nanostructures with controlled patch morphology. Nature Communications, 2016, 7, 12097.	12.8	140
43	Linear and Hyperbranched Glycopolymer-Functionalized Carbon Nanotubes: Synthesis, Kinetics, and Characterization. Macromolecules, 2007, 40, 1803-1815.	4.8	139
44	Synthesis and Characterization of Branched Polyelectrolytes. 1. Preparation of Hyperbranched Poly(acrylic acid) via Self-Condensing Atom Transfer Radical Copolymerization. Macromolecules, 2002, 35, 9270-9281.	4.8	138
45	Hyperbranched methacrylates by self-condensing group transfer polymerization. Macromolecular Rapid Communications, 1997, 18, 865-873.	3.9	131
46	Controlling the Aggregation of Conjugates of Streptavidin with Smart Block Copolymers Prepared via the RAFT Copolymerization Technique. Biomacromolecules, 2006, 7, 2736-2741.	5.4	131
47	Water-Soluble Organo-Silica Hybrid Nanotubes Templated by Cylindrical Polymer Brushes. Journal of the American Chemical Society, 2010, 132, 16587-16592.	13.7	131
48	The Impact of Janus Nanoparticles on the Compatibilization of Immiscible Polymer Blends under Technologically Relevant Conditions. ACS Nano, 2014, 8, 10048-10056.	14.6	125
49	Surface-Grafted Hyperbranched Polymers via Self-Condensing Atom Transfer Radical Polymerization from Silicon Surfaces. Macromolecules, 2001, 34, 6871-6882.	4.8	123
50	Synthesis and Characterization of Star-Shaped Poly( <i>N,N</i> -dimethylaminoethyl methacrylate) and Its Quaternized Ammonium Salts. Macromolecules, 2007, 40, 5689-5697.	4.8	123
51	Characterization of Micelles of Polyisobutylene- <i>block</i> -poly(methacrylic acid) in Aqueous Medium. Macromolecules, 2000, 33, 1734-1740.	4.8	120
52	Synthesis of Hyperbranched Glycopolymers via Self-Condensing Atom Transfer Radical Copolymerization of a Sugar-Carrying Acrylate. Macromolecules, 2005, 38, 9-18.	4.8	119
53	Structure of Micelles of Poly( <i>n</i> -butyl acrylate)- <i>block</i> -poly(acrylic acid) Diblock Copolymers in Aqueous Solution. Macromolecules, 2007, 40, 4351-4362.	4.8	119
54	A Click Chemistry Approach to Linear and Star-Shaped Telechelic POSS-Containing Hybrid Polymers. Macromolecules, 2010, 43, 3148-3152.	4.8	119

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55	Undulated Multicompartment Cylinders by the Controlled and Directed Stacking of Polymer Micelles with a Compartmentalized Corona. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2877-2880.	13.8	118
56	Janus Cylinders at Liquid-Liquid Interfaces. <i>Langmuir</i> , 2011, 27, 9807-9814.	3.5	117
57	Dual-Responsive Magnetic Core-Shell Nanoparticles for Nonviral Gene Delivery and Cell Separation. <i>Biomacromolecules</i> , 2012, 13, 857-866.	5.4	114
58	General Kinetic Analysis and Comparison of Molecular Weight Distributions for Various Mechanisms of Activity Exchange in Living Polymerizations. <i>Macromolecules</i> , 1997, 30, 1253-1266.	4.8	113
59	Characterization of Highly Branched Poly(methyl methacrylate) by Solution Viscosity and Viscoelastic Spectroscopy. <i>Macromolecules</i> , 2001, 34, 1677-1684.	4.8	109
60	Synthesis and Characterization of Methacrylate-Type Hyperbranched Glycopolymers via Self-Condensing Atom Transfer Radical Copolymerization. <i>Macromolecules</i> , 2005, 38, 3108-3119.	4.8	107
61	Intelligent Colloidal Hybrids via Reversible pH-Induced Complexation of Polyelectrolyte and Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2003, 125, 3712-3713.	13.7	106
62	Template-Directed Synthesis of Silica Nanowires and Nanotubes from Cylindrical Core-Shell Polymer Brushes. <i>Chemistry of Materials</i> , 2012, 24, 1802-1810.	6.7	105
63	Reversible Meso-Scale Smart Polymer-Protein Particles of Controlled Sizes. <i>Bioconjugate Chemistry</i> , 2004, 15, 747-753.	3.6	104
64	Characterization of Block Copolymers by Liquid Adsorption Chromatography at Critical Conditions. 1. Diblock Copolymers. <i>Macromolecules</i> , 2000, 33, 3687-3693.	4.8	103
65	New Strategy for the Synthesis of Halogen-Free Acrylate Macromonomers by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2001, 34, 5394-5397.	4.8	100
66	RAFT Polymerization of N-Isopropylacrylamide and Acrylic Acid under $\gamma$ -Irradiation in Aqueous Media. <i>Macromolecular Rapid Communications</i> , 2006, 27, 821-828.	3.9	99
67	Multicompartment Core Micelles of Triblock Terpolymers in Organic Media. <i>Macromolecules</i> , 2009, 42, 3540-3548.	4.8	99
68	Interpolyelectrolyte Complexes of Dynamic Multicompartment Micelles. <i>ACS Nano</i> , 2009, 3, 2095-2102.	14.6	99
69	Silsesquioxane-Based Nanoparticles Formed via Hydrolytic Condensation of Organotriethoxysilane Containing Hydroxy Groups. <i>Macromolecules</i> , 2004, 37, 5228-5238.	4.8	97
70	Double Stimuli-Responsive Ultrafiltration Membranes from Polystyrene- <i>block</i> -poly( <i>N,N</i> -dimethylaminoethyl methacrylate) Diblock Copolymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1492-1503.	8.0	95
71	Janus Micelles at the Air/Water Interface. <i>Langmuir</i> , 2001, 17, 6787-6793.	3.5	93
72	Multiple Morphologies, Phase Transitions, and Cross-Linking of Crew-Cut Aggregates of Polybutadiene- <i>block</i> -poly(2-vinylpyridine) Diblock Copolymers. <i>Macromolecules</i> , 2008, 41, 3254-3260.	4.8	93

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73	Nanoblossoms: A Light-Induced Conformational Changes of Cationic Polyelectrolyte Stars in the Presence of Multivalent Counterions. <i>Nano Letters</i> , 2007, 7, 167-171.	9.1	92
74	Molecular Parameters of Hyperbranched Copolymers Obtained by Self-Condensing Vinyl Copolymerization. 1. Equal Rate Constants. <i>Macromolecules</i> , 1999, 32, 2410-2419.	4.8	91
75	Synthesis of Highly Branched Cationic Polyelectrolytes via Self-Condensing Atom Transfer Radical Copolymerization with 2-(Diethylamino)ethyl Methacrylate. <i>Macromolecules</i> , 2004, 37, 2054-2066.	4.8	91
76	New Routes to the Synthesis of Amylose-block-polystyrene Rod-Coil Block Copolymers. <i>Biomacromolecules</i> , 2002, 3, 368-373.	5.4	89
77	Molecular Weight Distribution of Hyperbranched Polymers Generated by Self-Condensing Vinyl Polymerization in Presence of a Multifunctional Initiator. <i>Macromolecules</i> , 1999, 32, 245-250.	4.8	88
78	Micellar Aggregates of Amylose-block-polystyrene Rod-Coil Block Copolymers in Water and THF. <i>Macromolecules</i> , 2005, 38, 873-879.	4.8	88
79	The role of association/complexation equilibria in the anionic polymerization of (meth)acrylates. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 60, 315-326.	0.6	87
80	Synthesis of Linear and Star-Shaped Block Copolymers of Isobutylene and Methacrylates by Combination of Living Cationic and Anionic Polymerizations. <i>Macromolecules</i> , 1998, 31, 578-585.	4.8	87
81	Novel Water-Soluble Micellar Interpolyelectrolyte Complexes. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8093-8096.	2.6	87
82	pH-Controlled Exponential and Linear Growing Modes of Layer-by-Layer Assemblies of Star Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2011, 133, 9592-9606.	13.7	86
83	Mixed, Multicompartment, or Janus Micelles? A Systematic Study of Thermoresponsive Bis-Hydrophilic Block Terpolymers. <i>Langmuir</i> , 2010, 26, 12237-12246.	3.5	82
84	Counterion-Mediated Hierarchical Self-Assembly of an ABC Miktoarm Star Terpolymer. <i>ACS Nano</i> , 2013, 7, 4030-4041.	14.6	82
85	Synthesis of Hyperbranched and Highly Branched Methacrylates by Self-Condensing Group Transfer Copolymerization. <i>Macromolecules</i> , 2001, 34, 6206-6213.	4.8	81
86	Molecular Sugar Sticks: Cylindrical Glycopolymer Brushes. <i>Macromolecules</i> , 2005, 38, 7926-7934.	4.8	81
87	Using Janus Nanoparticles To Trap Polymer Blend Morphologies during Solvent-Evaporation-Induced Demixing. <i>Macromolecules</i> , 2015, 48, 4220-4227.	4.8	81
88	PDMAEMA-Grafted Core-Shell Corona Particles for Nonviral Gene Delivery and Magnetic Cell Separation. <i>Biomacromolecules</i> , 2013, 14, 3081-3090.	5.4	79
89	Synthesis and Characterization of Surface-Grafted Hyperbranched Glycomethacrylates. <i>Macromolecules</i> , 2006, 39, 2743-2750.	4.8	78
90	Self-Assembled Structures of Amphiphilic Ionic Block Copolymers: Theory, Self-Consistent Field Modeling and Experiment. <i>Advances in Polymer Science</i> , 2011, , 57-129.	0.8	78

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91	Multicompartment Micelles with Adjustable Poly(ethylene glycol) Shell for Efficient <i>in Vivo</i> Photodynamic Therapy. ACS Nano, 2014, 8, 1161-1172.	14.6	78
92	Magnetic and Fluorescent Glycopolymer Hybrid Nanoparticles for Intranuclear Optical Imaging. Biomacromolecules, 2011, 12, 3805-3811.	5.4	77
93	Dynamic Multicompartment-Core Micelles in Aqueous Media. Langmuir, 2009, 25, 10962-10969.	3.5	76
94	Cavitation Engineered 3D Sponge Networks and Their Application in Active Surface Construction. Advanced Materials, 2012, 24, 985-989.	21.0	76
95	Dual stimuli-responsive multicompartment micelles from triblock terpolymers with tunable hydrophilicity. Soft Matter, 2011, 7, 8880.	2.7	75
96	Synthesis and Characterization of Glycomethacrylate Hybrid Stars from Silsesquioxane Nanoparticles. Macromolecules, 2005, 38, 10631-10642.	4.8	74
97	Template-Directed Mild Synthesis of Anatase Hybrid Nanotubes within Cylindrical Core-Shell Corona Polymer Brushes. Macromolecules, 2012, 45, 6981-6988.	4.8	74
98	Hybrid Capsules via Self-Assembly of Thermoresponsive and Interfacially Active Bionanoparticle-Polymer Conjugates. Advanced Functional Materials, 2011, 21, 2470-2476.	14.9	72
99	Nanoparticulate Nonviral Agent for the Effective Delivery of pDNA and siRNA to Differentiated Cells and Primary Human T Lymphocytes. Biomacromolecules, 2012, 13, 3463-3474.	5.4	70
100	Polyisobutylene- <i>block</i> -poly(methacrylic acid) Diblock Copolymers: Self-Assembly in Aqueous Media. Langmuir, 2007, 23, 12864-12874.	3.5	69
101	Hybrids of Magnetic Nanoparticles with Double-Hydrophilic Core/Shell Cylindrical Polymer Brushes and Their Alignment in a Magnetic Field. Advanced Functional Materials, 2010, 20, 4182-4189.	14.9	69
102	Molecular Parameters of Hyperbranched Copolymers Obtained by Self-Condensing Vinyl Copolymerization, 2-Non-Equal Rate Constants. Macromolecules, 2001, 34, 2418-2426.	4.8	68
103	Manipulating cylindrical polyelectrolyte brushes on the nanoscale by counterions: collapse transition to helical structures. Soft Matter, 2009, 5, 379-384.	2.7	68
104	Structures of amphiphilic Janus discs in aqueous media. Soft Matter, 2009, 5, 385-390.	2.7	68
105	Water-Soluble Interpolyelectrolyte Complexes of Polyisobutylene- <i>block</i> -Poly(methacrylic acid) Micelles: Formation and Properties. Langmuir, 2008, 24, 1769-1777.	3.5	67
106	Amphiphilic Diblock Copolymers with a Moderately Hydrophobic Block: Toward Dynamic Micelles. Macromolecules, 2010, 43, 2667-2671.	4.8	67
107	Grafting thermoresponsive polymers onto honeycomb structured porous films using the RAFT process. Journal of Materials Chemistry, 2008, 18, 4718.	6.7	65
108	Nondestructive Light-Initiated Tuning of Layer-by-Layer Microcapsule Permeability. ACS Nano, 2013, 7, 598-613.	14.6	65



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109	Nanoscopic Surface Patterns from Functional ABC Triblock Copolymers. <i>Macromolecules</i> , 2001, 34, 7477-7488.	4.8	64
110	Stimuli-Responsive Organosilica Hybrid Nanowires Decorated with Metal Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 2626-2634.	6.7	63
111	One-Step Block Copolymer Synthesis versus Sequential Monomer Addition: A Fundamental Study Reveals That One Methyl Group Makes a Difference. <i>Macromolecules</i> , 2018, 51, 3527-3537.	4.8	63
112	Synthesis of hyperbranched poly(tert-butyl acrylate) by self-condensing atom transfer radical polymerization of a macroinimer. <i>Macromolecular Rapid Communications</i> , 2000, 21, 846-852.	3.9	62
113	RAFT Polymers: Novel Precursors for Polymer-Protein Conjugates. <i>ACS Symposium Series</i> , 2003, , 603-618.	0.5	62
114	Synthesis and Characterization of Comb-Shaped Polymers by SEC with On-Line Light Scattering and Viscometry Detection. <i>Macromolecules</i> , 2005, 38, 3949-3960.	4.8	62
115	Blends of Poly(methacrylate) Block Copolymers with Photoaddressable Segments. <i>Macromolecules</i> , 2007, 40, 2100-2108.	4.8	62
116	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1982, 3, 121-125.	1.1	61
117	Fluorescence Correlation Spectroscopy of Single Dye-Labeled Polymers in Organic Solvents. <i>Macromolecules</i> , 2004, 37, 1917-1920.	4.8	60
118	Switching the Morphologies of Cylindrical Polycation Brushes by Ionic and Supramolecular Inclusion Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 1640-1641.	13.7	60
119	Biomimetic Mussel Adhesive Inspired Clickable Anchors Applied to the Functionalization of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1608-1615.	3.9	60
120	Isoprene/Styrene Tapered Multiblock Copolymers with up to Ten Blocks: Synthesis, Phase Behavior, Order, and Mechanical Properties. <i>Macromolecules</i> , 2018, 51, 10246-10258.	4.8	60
121	Self-Assembly of Asymmetric Poly(ethylene oxide)- <i>block</i> -Poly( <i>n</i> -butyl acrylate) Diblock Copolymers in Aqueous Media to Unexpected Morphologies. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4218-4225.	2.6	59
122	Synthesis of Amphiphilic Graft Copolymers of <i>n</i> -Butyl Acrylate and Acrylic Acid by Atom Transfer Radical Copolymerization of Macromonomers. <i>Macromolecules</i> , 2004, 37, 7484-7490.	4.8	58
123	Synthesis of polysaccharide- <i>b</i> -PEG block copolymers by oxime click. <i>Chemical Communications</i> , 2012, 48, 3781.	4.1	58
124	Polyisobutylene Stars and Polyisobutylene- <i>block</i> -Poly(tert-Butyl Methacrylate) Block Copolymers by Site Transformation of Thiophene End-Capped Polyisobutylene Chain Ends. <i>Macromolecules</i> , 2003, 36, 6985-6994.	4.8	57
125	Janus Micelles as Effective Supracolloidal Dispersants for Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3602-3606.	13.8	57
126	Anionic Polymerization of Ethylene Oxide in the Presence of the Phosphazene Base ButP4 â€“ Kinetic Investigations Using In-Situ FT-NIR Spectroscopy and MALDI-ToF MS. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 1056-1071.	2.2	56



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127	Core-crosslinked block copolymer nanorods as templates for grafting [SiMo <sub>12</sub> O <sub>40</sub> ] <sup>4-</sup> Keggin ions. Chemical Communications, 2008, , 489-491.	4.1	56
128	Hidden Structural Features of Multicompartment Micelles Revealed by Cryogenic Transmission Electron Tomography. ACS Nano, 2014, 8, 11330-11340.	14.6	56
129	Interfacial Assembly and Jamming Behavior of Polymeric Janus Particles at Liquid Interfaces. ACS Applied Materials & Interfaces, 2017, 9, 33327-33332.	8.0	56
130	Equilibria in the anionic polymerization of methyl methacrylate, 1. Chain-length dependence of the rate and equilibrium constants. Die Makromolekulare Chemie, 1986, 187, 1473-1482.	1.1	55
131	Kinetic Analysis of "Living" Polymerization Systems Exhibiting Slow Equilibria. 4. "Dissociative" Mechanism of Group Transfer Polymerization and Generation of Free Ions in Cationic Polymerization. Macromolecules, 1996, 29, 2346-2353.	4.8	55
132	Hyperbranched (Meth)acrylates in Solution, Melt, and Grafted From Surfaces. Topics in Current Chemistry, 2003, 228, 1-37.	4.0	55
133	Formation of hydrophobic bridges between multicompartment micelles of miktoarm star terpolymers in water. Chemical Communications, 2009, , 1127.	4.1	55
134	Title is missing!. Die Makromolekulare Chemie, 1992, 193, 101-112.	1.1	54
135	Direct Synthesis of Inverse Hexagonally Ordered Diblock Copolymer/Polyoxometalate Nanocomposite Films. Journal of the American Chemical Society, 2012, 134, 12685-12692.	13.7	54
136	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1987, 8, 99-107.	1.1	53
137	Group transfer and anionic polymerization: A critical comparison. Makromolekulare Chemie Macromolecular Symposia, 1990, 32, 87-104.	0.6	53
138	Thermoresponsive Glycopolymers via Controlled Radical Polymerization. Macromolecular Chemistry and Physics, 2007, 208, 1035-1049.	2.2	53
139	Double-Grafted Cylindrical Brushes: Synthesis and Characterization of Poly(lauryl methacrylate) Brushes. Macromolecular Chemistry and Physics, 2007, 208, 1666-1675.	2.2	53
140	Template-Directed Synthesis of Hybrid Titania Nanowires within Core-Shell Bishydrophilic Cylindrical Polymer Brushes. Chemistry of Materials, 2009, 21, 4146-4154.	6.7	53
141	Living Polymer Chains with Predictable Molecular Weight and Dispersity via Carbanionic Polymerization in Continuous Flow: Mixing Rate as a Key Parameter. Macromolecules, 2016, 49, 5043-5050.	4.8	51
142	Molecular Weight Averages and Degree of Branching in Self-Condensing Vinyl Copolymerization in the Presence of Multifunctional Initiators. Macromolecules, 2002, 35, 4577-4583.	4.8	49
143	Towards bio-based tapered block copolymers: the behaviour of myrcene in the statistical anionic copolymerisation. Polymer Chemistry, 2019, 10, 1213-1220.	3.9	49
144	New Polyelectrolyte Architectures. Advances in Polymer Science, 2004, , 1-42.	0.8	48

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146	Alignment of Tellurium Nanorods via a Magnetization/Alignment/ Demagnetization (MAD) Process Assisted by an External Magnetic Field. <i>ACS Nano</i> , 2009, 3, 1441-1450.	14.6	48
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