Axel MÃ¼ller

List of Publications by Year
in descending order

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484 papers	33,751 citations	3874 91 h-index	7043 159 g-index
500 all docs	500 docs citations	500 times ranked	23906 citing authors

#	Article	IF	Citations
1	Janus Particles: Synthesis, Self-Assembly, Physical Properties, and Applications. Chemical Reviews, 2013, 113, 5194-5261.	23.0	1,512
2	Janus particles. Soft Matter, 2008, 4, 663.	1.2	798
3	Thermosensitive water-soluble copolymers with doubly responsive reversibly interacting entities. Progress in Polymer Science, 2007, 32, 1275-1343.	11.8	692
4	Organic fertilizer as a vehicle for the entry of microplastic into the environment. Science Advances, 2018, 4, eaap8060.	4.7	617
5	Guided hierarchical co-assembly of soft patchy nanoparticles. Nature, 2013, 503, 247-251.	13.7	573
6	Cylindrical polymer brushes. Journal of Polymer Science Part A, 2005, 43, 3461-3481.	2.5	565
7	A New Double-Responsive Block Copolymer Synthesized via RAFT Polymerization:Â Poly(N-isopropylacrylamide)-block-poly(acrylic acid). Macromolecules, 2004, 37, 7861-7866.	2.2	524
8	Precise hierarchical self-assembly of multicompartment micelles. Nature Communications, 2012, 3, 710.	5.8	504
9	Amphiphilic Cylindrical Coreâ^'Shell Brushes via a â€œGrafting Fromâ€•Process Using ATRP. Macromolecules, 2001, 34, 6883-6888.	2.2	439
10	Janus Micellesâ€. Macromolecules, 2001, 34, 1069-1075.	2.2	391
11	Color Tunability and Electrochemiluminescence of Silver Nanoclusters. Angewandte Chemie - International Edition, 2009, 48, 2122-2125.	7.2	369
12	Architecture, self-assembly and properties of well-defined hybrid polymers based on polyhedral oligomeric silsequioxane (POSS). Progress in Polymer Science, 2013, 38, 1121-1162.	11.8	352
13	Amphiphilic Janus Micelles with Polystyrene and Poly(methacrylic acid) Hemispheres. Journal of the American Chemical Society, 2003, 125, 3260-3267.	6.6	348
14	Tuning the Thermoresponsive Properties of Weak Polyelectrolytes:â€‰ Aqueous Solutions of Star-Shaped and Linear Poly(N,N-dimethylaminoethyl Methacrylate). Macromolecules, 2007, 40, 8361-8366.	2.2	341
15	Benzyl and Cumyl Dithiocarbamates as Chain Transfer Agents in the RAFT Polymerization ofN-Isopropylacrylamide. In Situ FT-NIR and MALDIâ^'TOF MS Investigation. Macromolecules, 2002, 35, 6819-6827.	2.2	339
16	Molecular Parameters of Hyperbranched Polymers Made by Self-Condensing Vinyl Polymerization. 2. Degree of Branchingâ€. Macromolecules, 1997, 30, 7024-7033.	2.2	302
17	Janus Discs. Journal of the American Chemical Society, 2007, 129, 6187-6198.	6.6	296
18	Engineering Nanostructured Polymer Blends with Controlled Nanoparticle Location using Janus Particles. ACS Nano, 2008, 2, 1167-1178.	7.3	284

#	Article	IF	Citations
19	Emulsion Polymerization Using Janus Particles as Stabilizers. Angewandte Chemie - International Edition, 2008, 47, 711-714.	7.2	280
20	Self-assembly concepts for multicompartment nanostructures. Nanoscale, 2015, 7, 11841-11876.	2.8	279
21	Amphiphilic cylindrical brushes with poly(acrylic acid) core and poly(n-butyl acrylate) shell and narrow length distribution. Polymer, 2003, 44, 1449-1458.	1.8	258
22	New polymeric architectures with (meth)acrylic acid segments. Progress in Polymer Science, 2003, 28, 1403-1439.	11.8	258
23	Main Chain Conformation and Anomalous Elution Behavior of Cylindrical Brushes As Revealed by GPC/MALLS, Light Scattering, and SFMâ€¡. Macromolecules, 1999, 32, 2629-2637.	2.2	254
24	Tuning the Thermoresponsiveness of Weak Polyelectrolytes by pH and Light:â€‰ Lower and Upper Critical-Solution Temperature of Poly(N,N-dimethylaminoethyl methacrylate). Journal of the American Chemical Society, 2007, 129, 14538-14539.	6.6	247
25	Facile, Solution-Based Synthesis of Soft, Nanoscale Janus Particles with Tunable Janus Balance. Journal of the American Chemical Society, 2012, 134, 13850-13860.	6.6	247
26	Molecular Parameters of Hyperbranched Polymers Made by Self-Condensing Vinyl Polymerization. 1. Molecular Weight Distribution. Macromolecules, 1997, 30, 7015-7023.	2.2	235
27	Template-Controlled Synthesis of Wire-Like Cadmium Sulfide Nanoparticle Assemblies within Coreâ^'Shell Cylindrical Polymer Brushes. Chemistry of Materials, 2004, 16, 537-543.	3.2	235
28	Anionic vinyl polymerizationâ€”50 years after Michael Szwarc. Progress in Polymer Science, 2007, 32, 173-219.	11.8	221
29	Micellar interpolyelectrolyte complexes. Chemical Society Reviews, 2012, 41, 6888.	18.7	221
30	Salt Effects on the Thermoprecipitation of Poly-(N-isopropylacrylamide) Oligomers from Aqueous Solution. Langmuir, 2002, 18, 3434-3440.	1.6	220
31	Water-soluble organo-silica hybrid nanowires. Nature Materials, 2008, 7, 718-722.	13.3	217
32	Copolymerization ofn-Butyl Acrylate with Methyl Methacrylate and PMMA Macromonomers:Â Comparison of Reactivity Ratios in Conventional and Atom Transfer Radical Copolymerization. Macromolecules, 1999, 32, 8331-8335.	2.2	213
33	Kinetic Analysis of "Living" Polymerization Processes Exhibiting Slow Equilibria. 1. Degenerative Transfer (Direct Activity Exchange between Active and "Dormant" Species). Application to Group Transfer Polymerization. Macromolecules, 1995, 28, 4326-4333.	2.2	205
34	Effect of Core-Forming Molecules on Molecular Weight Distribution and Degree of Branching in the Synthesis of Hyperbranched Polymers. Macromolecules, 1998, 31, 239-248.	2.2	195
35	Janus Cylinders. Macromolecules, 2003, 36, 7894-7898.	2.2	194
36	One-dimensional magnetic inorganicâ€“organic hybrid nanomaterials. Chemical Society Reviews, 2011, 40, 640.	18.7	194

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37	Surface Modification of Poly(divinylbenzene) Microspheres via Thiolâ^'Ene Chemistry and Alkyneâ^'Azide Click Reactions. Macromolecules, 2009, 42, 3707-3714.	2.2	192
38	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. Macromolecules, 1997, 30, 7034-7041.	2.2	189
39	Synthesis of Poly(n-butyl acrylate)-block-poly(acrylic acid) Diblock Copolymers by ATRP and Their Micellization in Water. Macromolecules, 2007, 40, 4338-4350.	2.2	187
40	Synthesis, Characterization and Behavior in Aqueous Solution of Star-Shaped Poly(acrylic acid). Macromolecular Chemistry and Physics, 2005, 206, 1813-1825.	1.1	183
41	Polyelectrolyte Block Copolymer Micelles. Advances in Polymer Science, 0, , 173-210.	0.4	180
42	Hybrid Nanoparticles with Hyperbranched Polymer Shells via Self-Condensing Atom Transfer Radical Polymerization from Silica Surfaces. Langmuir, 2002, 18, 3682-3693.	1.6	173
43	Synthesis via RAFT Polymerization of Tadpole-Shaped Organic/Inorganic Hybrid Poly(acrylic acid) Containing Polyhedral Oligomeric Silsesquioxane (POSS) and Their Self-assembly in Water. Macromolecules, 2009, 42, 2563-2569.	2.2	168
44	Self-Assembly of Janus Cylinders into Hierarchical Superstructures. Journal of the American Chemical Society, 2009, 131, 4720-4728.	6.6	165
45	Thermo- and pH-Responsive Micelles of Poly(acrylic acid)-block-Poly(N,N-diethylacrylamide). Macromolecular Rapid Communications, 2005, 26, 558-563.	2.0	164
46	Influence of Polymer Architecture and Molecular Weight of Poly(2-(dimethylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (r Biomacromolecules, 2011, 12, 4247-4255.	2.6	164
47	Ultralight, Soft Polymer Sponges by Selfâ€Assembly of Short Electrospun Fibers in Colloidal Dispersions. Advanced Functional Materials, 2015, 25, 2850-2856.	7.8	164
48	Selfâ€Supporting, Double Stimuliâ€Responsive Porous Membranes From Polystyreneâ€blockâ€poly(N,Nâ€dimethylaminoethyl methacrylate) Diblock Copolymers. Advanced Functional Materials, 2009, 19, 1040-1045.	7.8	162
49	Self-Assembly of block copolymers into internally ordered microparticles. Progress in Polymer Science, 2020, 102, 101211.	11.8	161
50	Self-Assembly of Poly(ionic liquid)s: Polymerization, Mesostructure Formation, and Directional Alignment in One Step. Journal of the American Chemical Society, 2011, 133, 17556-17559.	6.6	157
51	Loading of polymer nanocarriers: Factors, mechanisms and applications. Progress in Polymer Science, 2014, 39, 43-86.	11.8	152
52	pH and salt responsive poly(N,N-dimethylaminoethyl methacrylate) cylindrical brushes and their quaternized derivatives. Polymer, 2008, 49, 3957-3964.	1.8	148
53	Influence of Janus Particle Shape on Their Interfacial Behavior at Liquidâ€"Liquid Interfaces. Langmuir, 2013, 29, 1388-1394.	1.6	147
54	Superparamagnetic Hybrid Nanocylinders. Advanced Functional Materials, 2004, 14, 871-882.	7.8	144

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55	Large Scale Domain Alignment of a Block Copolymer from Solution Using Electric Fields. Macromolecules, 2002, 35, 1319-1325.	2.2	142
56	Rational design of ABC triblock terpolymer solution nanostructures with controlled patch morphology. Nature Communications, 2016, 7, 12097.	5.8	140
57	Linear and Hyperbranched Glycopolymer-Functionalized Carbon Nanotubes:Â Synthesis, Kinetics, and Characterization. Macromolecules, 2007, 40, 1803-1815.	2.2	139
58	Investigation of the LCST of polyacrylamides as a function of molecular parameters and the solvent composition. , 1999, 37, 2977-2989.		138
59	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.	2.2	138
60	Narrow Molecular Weight Distribution Precursors for Polymer-Drug Conjugates. Angewandte Chemie - International Edition, 2001, 40, 594-597.	7.2	134
61	Hyperbranched methacrylates by self-condensing group transfer polymerization. Macromolecular Rapid Communications, 1997, 18, 865-873.	2.0	131
62	Controlling the Aggregation of Conjugates of Streptavidin with Smart Block Copolymers Prepared via the RAFT Copolymerization Technique. Biomacromolecules, 2006, 7, 2736-2741.	2.6	131
63	Water-Soluble Organoâ"Silica Hybrid Nanotubes Templated by Cylindrical Polymer Brushes. Journal of the American Chemical Society, 2010, 132, 16587-16592.	6.6	131
64	Cylindrical polymer brushes â€“ Anisotropic building blocks, unimolecular templates and particulate nanocarriers. Polymer, 2016, 98, 389-401.	1.8	130
65	Microscopic Mechanisms of Electric-Field-Induced Alignment of Block Copolymer Microdomains. Physical Review Letters, 2002, 89, 135502.	2.9	129
66	The Impact of Janus Nanoparticles on the Compatibilization of Immiscible Polymer Blends under Technologically Relevant Conditions. ACS Nano, 2014, 8, 10048-10056.	7.3	125
67	Surface-Grafted Hyperbranched Polymers via Self-Condensing Atom Transfer Radical Polymerization from Silicon Surfaces. Macromolecules, 2001, 34, 6871-6882.	2.2	123
68	Synthesis and Characterization of Star-Shaped Poly(N,N-dimethylaminoethyl methacrylate) and Its Quaternized Ammonium Salts. Macromolecules, 2007, 40, 5689-5697.	2.2	123
69	One-dimensional organicâ€“inorganic hybrid nanomaterials. Polymer, 2010, 51, 4015-4036.	1.8	121
70	Characterization of Micelles of Polyisobutylene-block-poly(methacrylic acid) in Aqueous Medium. Macromolecules, 2000, 33, 1734-1740.	2.2	120
71	Synthesis of Hyperbranched Glycopolymers via Self-Condensing Atom Transfer Radical Copolymerization of a Sugar-Carrying Acrylate. Macromolecules, 2005, 38, 9-18.	2.2	119
72	Structure of Micelles of Poly(n-butyl acrylate)-block-poly(acrylic acid) Diblock Copolymers in Aqueous Solution. Macromolecules, 2007, 40, 4351-4362.	2.2	119

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73	A â€œClick Chemistryâ€•Approach to Linear and Star-Shaped Telechelic POSS-Containing Hybrid Polymers. Macromolecules, 2010, 43, 3148-3152.	2.2	119
74	Undulated Multicompartment Cylinders by the Controlled and Directed Stacking of Polymer Micelles with a Compartmentalized Corona. Angewandte Chemie - International Edition, 2009, 48, 2877-2880.	7.2	118
75	Janus Cylinders at Liquidâ€“Liquid Interfaces. Langmuir, 2011, 27, 9807-9814.	1.6	117
76	Access to cyclic polystyrenes via a combination of reversible addition fragmentation chain transfer (RAFT) polymerization and click chemistry. Polymer, 2008, 49, 2274-2281.	1.8	114
77	Dual-Responsive Magnetic Coreâ€“Shell Nanoparticles for Nonviral Gene Delivery and Cell Separation. Biomacromolecules, 2012, 13, 857-866.	2.6	114
78	General Kinetic Analysis and Comparison of Molecular Weight Distributions for Various Mechanisms of Activity Exchange in Living Polymerizations. Macromolecules, 1997, 30, 1253-1266.	2.2	113
79	Characterization of Highly Branched Poly(methyl methacrylate) by Solution Viscosity and Viscoelastic Spectroscopy. Macromolecules, 2001, 34, 1677-1684.	2.2	109
80	Electric Field Induced Alignment of Concentrated Block Copolymer Solutions. Macromolecules, 2003, 36, 8078-8087.	2.2	108
81	Synthesis and Characterization of Methacrylate-Type Hyperbranched Glycopolymers via Self-Condensing Atom Transfer Radical Copolymerization. Macromolecules, 2005, 38, 3108-3119.	2.2	107
82	Intelligent Colloidal Hybrids via Reversible pH-Induced Complexation of Polyelectrolyte and Silica Nanoparticles. Journal of the American Chemical Society, 2003, 125, 3712-3713.	6.6	106
83	Template-Directed Synthesis of Silica Nanowires and Nanotubes from Cylindrical Coreâ€“Shell Polymer Brushes. Chemistry of Materials, 2012, 24, 1802-1810.	3.2	105
84	Reversible Meso-Scale Smart Polymerâ˜Protein Particles of Controlled Sizes. Bioconjugate Chemistry, 2004, 15, 747-753.	1.8	104
85	Characterization of Block Copolymers by Liquid Adsorption Chromatography at Critical Conditions. 1. Diblock Copolymers. Macromolecules, 2000, 33, 3687-3693.	2.2	103
86	New Strategy for the Synthesis of Halogen-Free Acrylate Macromonomers by Atom Transfer Radical Polymerization. Macromolecules, 2001, 34, 5394-5397.	2.2	100
87	RAFT Polymerization ofN-Isopropylacrylamide and Acrylic Acid underÎ³-Irradiation in Aqueous Media. Macromolecular Rapid Communications, 2006, 27, 821-828.	2.0	99
88	Multicompartment Core Micelles of Triblock Terpolymers in Organic Media. Macromolecules, 2009, 42, 3540-3548.	2.2	99
89	Interpolyelectrolyte Complexes of Dynamic Multicompartment Micelles. ACS Nano, 2009, 3, 2095-2102.	7.3	99
90	Silsesquioxane-Based Nanoparticles Formed via Hydrolytic Condensation of Organotriethoxysilane Containing Hydroxy Groups. Macromolecules, 2004, 37, 5228-5238.	2.2	97

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91	Double Stimuli-Responsive Ultrafiltration Membranes from Polystyrene-block-poly(N,N-dimethylaminoethyl methacrylate) Diblock Copolymers. ACS Applied Materials & Interfaces, 2009, 1, 1492-1503.	4.0	95
92	Performance of three PDMAEMA-based polycation architectures as gene delivery agents in comparison to linear and branched PEI. Reactive and Functional Polymers, 2010, 70, 1-10.	2.0	95
93	Janus Micelles at the Air/Water Interface. Langmuir, 2001, 17, 6787-6793.	1.6	93
94	Multiple Morphologies, Phase Transitions, and Cross-Linking of Crew-Cut Aggregates of Polybutadiene-block-poly(2-vinylpyridine) Diblock Copolymers. Macromolecules, 2008, 41, 3254-3260.	2.2	93
95	Double stimuli-responsive behavior of linear and star-shaped poly(N,N-diethylaminoethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.8	93
96	Nanoblossoms:Â Light-Induced Conformational Changes of Cationic Polyelectrolyte Stars in the Presence of Multivalent Counterions. Nano Letters, 2007, 7, 167-171.	4.5	92
97	Molecular Parameters of Hyperbranched Copolymers Obtained by Self-Condensing Vinyl Copolymerization. 1. Equal Rate Constants. Macromolecules, 1999, 32, 2410-2419.	2.2	91
98	Synthesis of Highly Branched Cationic Polyelectrolytes via Self-Condensing Atom Transfer Radical Copolymerization with 2-(Diethylamino)ethyl Methacrylate. Macromolecules, 2004, 37, 2054-2066.	2.2	91
99	DNA purification by triple-helix affinity precipitation. Biotechnology and Bioengineering, 2003, 81, 535-545.	1.7	90
100	New Routes to the Synthesis of Amylose-block-polystyrene Rodâ^'Coil Block Copolymers. Biomacromolecules, 2002, 3, 368-373.	2.6	89
101	Phase behavior of linear polystyrene-block-poly(2-vinylpyridine)-block-poly(tert-butyl methacrylate) triblock terpolymers. Polymer, 2003, 44, 6815-6823.	1.8	89
102	Molecular Weight Distribution of Hyperbranched Polymers Generated by Self-Condensing Vinyl Polymerization in Presence of a Multifunctional Initiator. Macromolecules, 1999, 32, 245-250.	2.2	88
103	Micellar Aggregates of Amylose-block-polystyrene Rodâ^'Coil Block Copolymers in Water and THF. Macromolecules, 2005, 38, 873-879.	2.2	88
104	The role of association/complexation equilibria in the anionic polymerization of (meth)acrylates. Makromolekulare Chemie Macromolecular Symposia, 1992, 60, 315-326.	0.6	87
105	Synthesis of Linear and Star-Shaped Block Copolymers of Isobutylene and Methacrylates by Combination of Living Cationic and Anionic Polymerizations. Macromolecules, 1998, 31, 578-585.	2.2	87
106	Novel Water-Soluble Micellar Interpolyelectrolyte Complexesâ€. Journal of Physical Chemistry B, 2003, 107, 8093-8096.	1.2	87
107	pH-Controlled Exponential and Linear Growing Modes of Layer-by-Layer Assemblies of Star Polyelectrolytes. Journal of the American Chemical Society, 2011, 133, 9592-9606.	6.6	86
108	Kinetic Analysis of "Living" Polymerization Processes Exhibiting Slow Equilibria. 2. Molecular Weight Distribution for Degenerative Transfer (Direct Activity Exchange between Active and "Dormant") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	4.2	86

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109	Mixed, Multicompartment, or Janus Micelles? A Systematic Study of Thermoresponsive Bis-Hydrophilic Block Terpolymers. Langmuir, 2010, 26, 12237-12246.	1.6	82
110	Counterion-Mediated Hierarchical Self-Assembly of an ABC Miktoarm Star Terpolymer. ACS Nano, 2013, 7, 4030-4041.	7.3	82
111	Synthesis of Hyperbranched and Highly Branched Methacrylates by Self-Condensing Group Transfer Copolymerization. Macromolecules, 2001, 34, 6206-6213.	2.2	81
112	Molecular Sugar Sticks:â€‰ Cylindrical Glycopolymer Brushes. Macromolecules, 2005, 38, 7926-7934.	2.2	81
113	Using Janus Nanoparticles To Trap Polymer Blend Morphologies during Solvent-Evaporation-Induced Demixing. Macromolecules, 2015, 48, 4220-4227.	2.2	81
114	Micelles of polyisobutylene-block-poly(methacrylic acid) diblock copolymers and their water-soluble interpolyelectrolyte complexes formed with quaternized poly(4-vinylpyridine). Polymer, 2004, 45, 367-378.	1.8	80
115	Synthesis and Characterization of Photoresponsive N-Isopropylacrylamide Cotelomers. Langmuir, 2003, 19, 6261-6270.	1.6	79
116	PDMAEMA-Grafted Coreâ€“Shellâ€“Corona Particles for Nonviral Gene Delivery and Magnetic Cell Separation. Biomacromolecules, 2013, 14, 3081-3090.	2.6	79
117	A comparison of thermoreactive water-soluble poly-N,N-diethylacrylamide prepared by anionic and by group transfer polymerization. Journal of Polymer Science Part A, 1994, 32, 3019-3030.	2.5	78
118	Synthesis and Characterization of Surface-Grafted Hyperbranched Glycomethacrylates. Macromolecules, 2006, 39, 2743-2750.	2.2	78
119	Self-Assembled Structures of Amphiphilic Ionic Block Copolymers: Theory, Self-Consistent Field Modeling and Experiment. Advances in Polymer Science, 2011, , 57-129.	0.4	78
120	Multicompartment Micelles with Adjustable Poly(ethylene glycol) Shell for Efficient in Vivo Photodynamic Therapy. ACS Nano, 2014, 8, 1161-1172.	7.3	78
121	Micellar transitions in the aqueous solutions of a surfactant-like ionic liquid: 1-butyl-3-methylimidazolium octylsulfate. Physical Chemistry Chemical Physics, 2010, 12, 11728.	1.3	77
122	Magnetic and Fluorescent Glycopolymer Hybrid Nanoparticles for Intranuclear Optical Imaging. Biomacromolecules, 2011, 12, 3805-3811.	2.6	77
123	Novel Hyperbranched Ferrocene-Containing Poly(boro)carbosilanes Synthesized via a Convenient â€œA₂+ B₃â€•Approach. Macromolecules, 2011, 44, 1280-1291.	2.2	77
124	Dynamic Multicompartment-Core Micelles in Aqueous Media. Langmuir, 2009, 25, 10962-10969.	1.6	76
125	Cavitation Engineered 3D Sponge Networks and Their Application in Active Surface Construction. Advanced Materials, 2012, 24, 985-989.	11.1	76
126	Dual stimuli-responsive multicompartment micelles from triblock terpolymers with tunable hydrophilicity. Soft Matter, 2011, 7, 8880.	1.2	75

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127	Synthesis and Characterization of Glycomethacrylate Hybrid Stars from Silsesquioxane Nanoparticles. Macromolecules, 2005, 38, 10631-10642.	2.2	74
128	Template-Directed Mild Synthesis of Anatase Hybrid Nanotubes within Cylindrical Coreâ€“Shellâ€“Corona Polymer Brushes. Macromolecules, 2012, 45, 6981-6988.	2.2	74
129	LCST and UCST in One: Double Thermoresponsive Behavior of Block Copolymers of Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	74
130	Telechelic Hybrid Poly(acrylic acid)s Containing Polyhedral Oligomeric Silsesquioxane (POSS) and Their Self-Assembly in Water. Macromolecules, 2011, 44, 6891-6898.	2.2	73
131	Hybrid Capsules via Selfâ€Assembly of Thermoresponsive and Interfacially Active Bionanoparticleâ€“Polymer Conjugates. Advanced Functional Materials, 2011, 21, 2470-2476.	7.8	72
132	Nanoparticulate Nonviral Agent for the Effective Delivery of pDNA and siRNA to Differentiated Cells and Primary Human T Lymphocytes. Biomacromolecules, 2012, 13, 3463-3474.	2.6	70
133	Polyisobutylene-block-poly(methacrylic acid) Diblock Copolymers:â€‰ Self-Assembly in Aqueous Media. Langmuir, 2007, 23, 12864-12874.	1.6	69
134	Hybrids of Magnetic Nanoparticles with Doubleâ€Hydrophilic Core/Shell Cylindrical Polymer Brushes and Their Alignment in a Magnetic Field. Advanced Functional Materials, 2010, 20, 4182-4189.	7.8	69
135	Molecular Parameters of Hyperbranched Copolymers Obtained by Self-Condensing Vinyl Copolymerization, 2.â€Non-Equal Rate Constants. Macromolecules, 2001, 34, 2418-2426.	2.2	68
136	Manipulating cylindrical polyelectrolyte brushes on the nanoscale by counterions: collapse transition to helical structures. Soft Matter, 2009, 5, 379-384.	1.2	68
137	Structures of amphiphilic Janus discs in aqueous media. Soft Matter, 2009, 5, 385-390.	1.2	68
138	Water-Soluble Interpolyelectrolyte Complexes of Polyisobutylene-block-Poly(methacrylic acid) Micelles:â€‰ Formation and Properties. Langmuir, 2008, 24, 1769-1777.	1.6	67
139	Amphiphilic Diblock Copolymers with a Moderately Hydrophobic Block: Toward Dynamic Micelles. Macromolecules, 2010, 43, 2667-2671.	2.2	67
140	Grafting thermoresponsive polymers onto honeycomb structured porous films using the RAFT process. Journal of Materials Chemistry, 2008, 18, 4718.	6.7	65
141	Nondestructive Light-Initiated Tuning of Layer-by-Layer Microcapsule Permeability. ACS Nano, 2013, 7, 598-613.	7.3	65
142	Nanoscopic Surface Patterns from Functional ABC Triblock Copolymers. Macromolecules, 2001, 34, 7477-7488.	2.2	64
143	Stimuli-Responsive Organosilica Hybrid Nanowires Decorated with Metal Nanoparticles. Chemistry of Materials, 2010, 22, 2626-2634.	3.2	63
144	One-Step Block Copolymer Synthesis versus Sequential Monomer Addition: A Fundamental Study Reveals That One Methyl Group Makes a Difference. Macromolecules, 2018, 51, 3527-3537.	2.2	63

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145	Synthesis of hyperbranched poly(tert-butyl acrylate) by self-condensing atom transfer radical polymerization of a macroinimer. Macromolecular Rapid Communications, 2000, 21, 846-852.	2.0	62
146	RAFT Polymers: Novel Precursors for Polymerâ€"Protein Conjugates. ACS Symposium Series, 2003, , 603-618.	0.5	62
147	Synthesis and Characterization of Comb-Shaped Polymers by SEC with On-Line Light Scattering and Viscometry Detection. Macromolecules, 2005, 38, 3949-3960.	2.2	62
148	Blends of Poly(methacrylate) Block Copolymers with Photoaddressable Segments. Macromolecules, 2007, 40, 2100-2108.	2.2	62
149	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1982, 3, 121-125.	1.1	61
150	Fluorescence Correlation Spectroscopy of Single Dye-Labeled Polymers in Organic Solvents. Macromolecules, 2004, 37, 1917-1920.	2.2	60
151	Switching the Morphologies of Cylindrical Polycation Brushes by Ionic and Supramolecular Inclusion Complexes. Journal of the American Chemical Society, 2009, 131, 1640-1641.	6.6	60
152	Biomimetic Mussel Adhesive Inspired Clickable Anchors Applied to the Functionalization of Fe₃O₄ Nanoparticles. Macromolecular Rapid Communications, 2010, 31, 1608-1615.	2.0	60
153	Synthesis, characterization, and bulk crosslinking of polybutadiene-block-poly(2-vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42	1.8	60
154	Isoprene/Styrene Tapered Multiblock Copolymers with up to Ten Blocks: Synthesis, Phase Behavior, Order, and Mechanical Properties. Macromolecules, 2018, 51, 10246-10258.	2.2	60
155	Self-Assembly of Asymmetric Poly(ethylene oxide)-block-Poly(n-butyl acrylate) Diblock Copolymers in Aqueous Media to Unexpected Morphologies. Journal of Physical Chemistry B, 2009, 113, 4218-4225.	1.2	59
156	Synthesis of Amphiphilic Graft Copolymers ofn-Butyl Acrylate and Acrylic Acid by Atom Transfer Radical Copolymerization of Macromonomers. Macromolecules, 2004, 37, 7484-7490.	2.2	58
157	Synthesis of polysaccharide-b-PEG block copolymers by oxime click. Chemical Communications, 2012, 48, 3781.	2.2	58
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