

Cylindrical molecular brushes: Synthesis, characterizat

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Citation Report

#	ARTICLE	IF	CITATIONS
2	pH-induced conformational changes of loosely grafted molecular brushes containing poly(acrylic) Tj ETQq0 0 0 rgBT (Overlock, 10 Tf 50	1.8	71
3	Double-Stranded Helical Polymers Consisting of Complementary Homopolymers. <i>Journal of the American Chemical Society</i> , 2008, 130, 7938-7945.	6.6	121
4	Temperature- and pH-Responsive Dense Copolymer Brushes Prepared by ATRP. <i>Macromolecules</i> , 2008, 41, 7013-7020.	2.2	165
6	Spherical brushes within spherical cavities: A self-consistent field and Monte Carlo study. <i>Journal of Chemical Physics</i> , 2009, 131, 134901.	1.2	8
7	Polyelectrolyte Stars and Cylindrical Brushes. <i>Advances in Polymer Science</i> , 2009, , 1-38.	0.4	10
9	High-Yield Synthesis of Uniform Star Polymers—Is Controlled Radical Polymerization Always Needed?. <i>Chemistry - A European Journal</i> , 2009, 15, 6107-6111.	1.7	9
10	Methacryloyl and/or Hydroxyl End-Functional Star Polymers Synthesized by ATRP Using the Arm-First Method. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 421-430.	1.1	20
11	Click Chemistry Approach to Rhodamine B-Capped Polyrotaxanes and their Unique Fluorescence Properties. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 1697-1708.	1.1	24
12	Supramolecular Self-Assembly of Nonlinear Amphiphilic and Double Hydrophilic Block Copolymers in Aqueous Solutions. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1523-1532.	2.0	101
13	Recent Progress in Polyphosphoesters: From Controlled Synthesis to Biomedical Applications. <i>Macromolecular Bioscience</i> , 2009, 9, 1154-1164.	2.1	192
14	Imaging of Catenated, Figure-of-Eight, and Trefoil Knot Polymer Rings. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5930-5933.	7.2	67
15	Alkoxy bipyridine ligands for ATRP of styrene and methyl methacrylate. <i>Macromolecular Research</i> , 2009, 17, 218-220.	1.0	3
16	ARGET ATRP of methyl methacrylate in the presence of nitrogen-based ligands as reducing agents. <i>Polymer International</i> , 2009, 58, 242-247.	1.6	138
17	AGET ATRP in water and inverse miniemulsion: A facile route for preparation of high-molecular-weight biocompatible brush-like polymers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1771-1781.	2.5	57
18	Incorporation of poly(2-acrylamido-2-methylpropanesulfonic acid) segments into block and brush copolymers by ATRP. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5386-5396.	2.5	26
19	Cylindrical molecular brushes with a loose grafting density. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5527-5533.	2.5	17
20	Facile syntheses of cylindrical molecular brushes by a sequential RAFT and ROMP "grafting-through" methodology. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5557-5563.	2.5	133
21	Synthesis and self-assembly behavior of amphiphilic polypeptide-based brush-coil block copolymers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5967-5978.	2.5	34

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23	Atom transfer radical polymerization in inverse miniemulsion: A versatile route toward preparation and functionalization of microgels/nanogels for targeted drug delivery applications. <i>Polymer</i> , 2009, 50, 4407-4423.	1.8	136
24	RAFT miniemulsion polymerization of methyl methacrylate. <i>Polymer</i> , 2009, 50, 4334-4342.	1.8	25
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31	Synthesis and Self-Assembly of Coil-Rod Double Hydrophilic Diblock Copolymer with Dually Responsive Asymmetric Centipede-Shaped Polymer Brush as the Rod Segment. <i>Macromolecules</i> , 2009, 42, 2916-2924.	2.2	103
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36	Gelation in Living Copolymerization of Monomer and Divinyl Cross-Linker: Comparison of ATRP Experiments with Monte Carlo Simulations. <i>Macromolecules</i> , 2009, 42, 5925-5932.	2.2	88
37	Crystallization of Molecular Brushes with Block Copolymer Side Chains. <i>Macromolecules</i> , 2009, 42, 9008-9017.	2.2	70
38	Temperature Effect on Activation Rate Constants in ATRP: New Mechanistic Insights into the Activation Process. <i>Macromolecules</i> , 2009, 42, 6050-6055.	2.2	108
39	Finite-Size Networks from Cylindrical Polyelectrolyte Brushes and Porphyrins. <i>Macromolecules</i> , 2009, 42, 830-840.	2.2	63

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41	Cell-Adhesive Star Polymers Prepared by ATRP. <i>Biomacromolecules</i> , 2009, 10, 1795-1803.	2.6	42
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60	Architecture of prototype copolymer brushes composed of alternating structure and intramolecular phase separation of side chains in solution. <i>Journal of Applied Polymer Science</i> , 2010, 116, 2298-2304.	1.3	3
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80	Synthesis and Self-Assembly of Amphiphilic Asymmetric Macromolecular Brushes. <i>Macromolecules</i> , 2010, 43, 7434-7445.	2.2	115
81	Synthesis, Characterization, and Properties of Starlike Poly(<i>n</i> -butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 542 Id (acrylat	2.2	77
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152	Straightforward Access to Amphiphilic Dual Bottle Brushes by Combining RAFT, ATRP, and NMP Polymerization in One Sequence. <i>Macromolecules</i> , 2011, 44, 9635-9641.	2.2	46
153	Computer simulation of bottle-brush polymers with flexible backbone: Good solvent versus theta solvent conditions. <i>Journal of Chemical Physics</i> , 2011, 135, 164903.	1.2	78
154	pH-Responsive Fluorescent Molecular Bottlebrushes Prepared by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2011, 44, 5905-5910.	2.2	61
155	Surface induced self-organization of comb-like macromolecules. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 569-584.	1.5	8
156	Dynamically confined crystallization in a soft lamellar space constituted by alternating polymer co-brushes. <i>Polymer</i> , 2011, 52, 4581-4589.	1.8	24
157	Thermoresponsive Hydrogel Scaffolds with Tailored Hydrophilic Pores. <i>Chemistry - an Asian Journal</i> , 2011, 6, 128-136.	1.7	39
158	Macromolecular nano-objects as a promising direction of polymer chemistry. <i>Polymer Science - Series C</i> , 2011, 53, 48-60.	0.8	50
159	Analysis of the cluster formation in two-component cylindrical bottle-brush polymers under poor solvent conditions. A simulation study. <i>European Physical Journal E</i> , 2011, 34, 52.	0.7	24
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161	Modification of polysulfones by click chemistry: Amphiphilic graft copolymers and their protein adsorption and cell adhesion properties. <i>Journal of Polymer Science Part A</i> , 2011, 49, 110-117.	2.5	58
162	Block-brush copolymers via ROMP and sequential double click reaction strategy. <i>Journal of Polymer Science Part A</i> , 2011, 49, 886-892.	2.5	51
163	Efficient synthesis of well-defined amphiphilic cylindrical brushes polymer with high grafting density: Interfacial Click chemistry approach. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1282-1288.	2.5	40
164	Various brush polymers through ring opening metathesis polymerization and nitroxide radical coupling reaction. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2850-2858.	2.5	31
165	Synthesis of low grafting density molecular brush from a poly(<i>N</i> -alkyl urea peptoid) backbone. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3030-3037.	2.5	33
166	Highly Efficient Grafting From an Helical Polypeptide Backbone by Atom Transfer Radical Polymerization. <i>Macromolecular Bioscience</i> , 2011, 11, 192-198.	2.1	69
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171	Understanding the Multiple Length Scales Describing the Structure of Bottle-brush Polymers by Monte Carlo Simulation Methods. <i>Macromolecular Theory and Simulations</i> , 2011, 20, 510-525.	0.6	58
172	Fluorescent Conjugated Polyelectrolytes for Bioimaging. <i>Advanced Functional Materials</i> , 2011, 21, 3408-3423.	7.8	245
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175	Effect of residual copper on stability of molecular brushes prepared by atom transfer radical polymerization. <i>European Polymer Journal</i> , 2011, 47, 1198-1202.	2.6	13
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178	Synthesis of high molecular weight polystyrene using AGET ATRP under high pressure. <i>European Polymer Journal</i> , 2011, 47, 730-734.	2.6	70
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294	Influence of the primary structure of the main chain on backbone stiffness of cylindrical rod brushes. <i>Polymer Journal</i> , 2013, 45, 193-201.	1.3	14
295	Synthesis and characterization of graft copolymers poly(ethylene oxide)- <i>g</i> -[poly(ethylene)]	1.7	12
296	Cylindrical Polymer Brushes by Atom Transfer Radical Polymerization from Cyclodextrin-PEG Polyrotaxanes: Synthesis and Mechanical Stability. <i>Macromolecules</i> , 2013, 46, 2-7.	2.2	45
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299	Microstructure Control: An Underestimated Parameter in Recent Polymer Design. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 135-142.	1.1	58
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301	Study on biotribological properties of UHMWPE grafted with MPDSAH. <i>Materials Science and Engineering C</i> , 2013, 33, 1339-1343.	3.8	14
303	Ternary Graft Copolymers and Their Use in Nanocapsule Preparation. <i>Macromolecules</i> , 2013, 46, 2646-2657.	2.2	30
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