

Surface-Initiated Atom Transfer Radical Polymerization Membrane for Antibacterial Ability

Macromolecular Bioscience

5, 974-982

DOI: [10.1002/mabi.200500079](https://doi.org/10.1002/mabi.200500079)

Citation Report

#	ARTICLE	IF	CITATIONS
1	In-channel atom transfer radical polymerization of thermoset polyester microfluidic devices for bioanalytical applications. <i>Electrophoresis</i> , 2007, 28, 2904-2911.	1.3	18
2	Fluoropolymer materials and architectures prepared by controlled radical polymerizations. <i>European Polymer Journal</i> , 2007, 43, 255-293.	2.6	223
3	Synthesis, characterization and application of well-defined environmentally responsive polymer brushes on the surface of colloid particles. <i>Polymer</i> , 2007, 48, 1989-1997.	1.8	147
4	Antibacterial Cellulose Fiber via RAFT Surface Graft Polymerization. <i>Biomacromolecules</i> , 2008, 9, 91-99.	2.6	311
5	Multifunctional Silane Polymers for Persistent Surface Derivatization and Their Antimicrobial Properties. <i>Langmuir</i> , 2008, 24, 7549-7558.	1.6	48
6	Poly(2-(dimethylamino)ethyl methacrylate)-Modified Nanoporous Colloidal Films with pH and Ion Response. <i>Langmuir</i> , 2008, 24, 14188-14194.	1.6	83
7	Synthesis and characterization of a pentaerythritol-based amphiphilic star block copolymer and its application in controlled drug release. <i>Reactive and Functional Polymers</i> , 2009, 69, 97-104.	2.0	34
8	Anti-fouling poly(2-hydroxyethyl methacrylate) surface coatings with specific bacteria recognition capabilities. <i>Surface Science</i> , 2009, 603, 2422-2429.	0.8	72
9	Bioactive surfaces and biomaterials via atom transfer radical polymerization. <i>Progress in Polymer Science</i> , 2009, 34, 719-761.	11.8	347
10	Surface-initiated atom transfer radical polymerization—a technique to develop biofunctional coatings. <i>Soft Matter</i> , 2009, 5, 4623.	1.2	112
11	Surface Modification by Graft Polymerization. <i>Advanced Topics in Science and Technology in China</i> , 2009, , 80-149.	0.0	2
12	Polymer Brushes via Surface-Initiated Controlled Radical Polymerization: Synthesis, Characterization, Properties, and Applications. <i>Chemical Reviews</i> , 2009, 109, 5437-5527.	23.0	1,614
13	Surface Engineering of Polymer Membranes. <i>Advanced Topics in Science and Technology in China</i> , 2009, , .	0.0	42
14	Multifunctional Hydrophilic Poly(vinylidene fluoride) Graft Copolymer with Supertoughness and Supergluing Properties. <i>Macromolecules</i> , 2009, 42, 3112-3120.	2.2	93
15	Single-step process to produce functionalized multiresponsive polymeric particles. <i>Journal of Polymer Science Part A</i> , 2010, 48, 3523-3533.	2.5	8
16	Preparation and characterization of poly(vinylidene fluoride) (PVDF) based ultrafiltration membranes using nano- Al_2O_3 . <i>Journal of Membrane Science</i> , 2011, 366, 97-103.	4.1	248
17	Membrane surface with antibacterial property by grafting polycation. <i>Journal of Membrane Science</i> , 2011, 376, 132-141.	4.1	86
18	Improving the Stability in Aqueous Media of Polymer Brushes Grafted from Silicon Oxide Substrates by Surface-Initiated Atom Transfer Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 950-958.	1.1	73

#	ARTICLE	IF	CITATIONS
19	Mild Methodology for the Versatile Chemical Modification of Polylactide Surfaces: Original Combination of Anionic and Click Chemistry for Biomedical Applications. <i>Advanced Functional Materials</i> , 2011, 21, 3321-3330.	7.8	57
20	Surface modification of PVDF membrane via AGET ATRP directly from the membrane surface. <i>Applied Surface Science</i> , 2011, 257, 6282-6290.	3.1	87
21	Preparation and characterization of antibacterial poly(vinylidene fluoride)-silver composites. <i>High Performance Polymers</i> , 2012, 24, 135-139.	0.8	10
22	Nano-structured poly(3-hexyl thiophene) grafted on poly(vinylidene fluoride) via poly(glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (glycolide)-co-poly(É-c	6.7	15
23	Generic Top-Functionalization of Patterned Antifouling Zwitterionic Polymers on Indium Tin Oxide. <i>Langmuir</i> , 2012, 28, 12509-12517.	1.6	50
24	Oniumâ€functionalised Polymers in the Design of Nonâ€leaching Antimicrobial Surfaces. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 1038-1074.	1.7	24
25	Click synthesis of neutral, cationic, and zwitterionic poly(propargyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 507 Td (glycolide)-co-poly(É-c Surfaces B: Biointerfaces, 2013, 108, 34-43.	2.5	9
26	Shaped core/shell polymer nanoobjects with high antibacterial activities via block copolymer microphase separation. <i>Polymer</i> , 2013, 54, 3485-3491.	1.8	40
27	Antifouling properties of poly(dimethylsiloxane) surfaces modified with quaternized poly(dimethylaminoethyl methacrylate). <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 361-370.	2.5	65
28	Biomimetic Choline-Like Graphene Oxide Composites for Neurite Sprouting and Outgrowth. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13188-13197.	4.0	52
29	Combining surface topography with polymer chemistry: exploring new interfacial biological phenomena. <i>Polymer Chemistry</i> , 2014, 5, 14-24.	1.9	74
30	Recent advances in ATRP methods in relation to the synthesis of copolymer coating materials. <i>Progress in Organic Coatings</i> , 2014, 77, 913-948.	1.9	65
32	Multifunctional REDV-conjugated zwitterionic polycarboxybetaineâ€polycaprolactone hybrid surfaces for enhanced antibacterial activity, anti-thrombogenicity and endothelial cell proliferation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8088-8101.	2.9	20
33	Click synthesis of quaternized poly(dimethylaminoethyl methacrylate) functionalized graphene oxide with improved antibacterial and antifouling ability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 196-205.	2.5	56
34	Copper-Mediated Living Radical Polymerization (Atom Transfer Radical Polymerization and Copper(0)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1803-1949.	23.0	405
35	Surface-Initiated Controlled Radical Polymerization: State-of-the-Art, Opportunities, and Challenges in Surface and Interface Engineering with Polymer Brushes. <i>Chemical Reviews</i> , 2017, 117, 1105-1318.	23.0	776
36	Quaternary ammonium-based biomedical materials: State-of-the-art, toxicological aspects and antimicrobial resistance. <i>Progress in Polymer Science</i> , 2017, 71, 53-90.	11.8	423
37	Multiâ€functional poly(vinylidene fluoride) graft copolymers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2569-2584.	2.5	17

#	ARTICLE	IF	CITATIONS
38	Infections associated with mesh repairs of abdominal wall hernias: Are antimicrobial biomaterials the longed-for solution?. <i>Biomaterials</i> , 2018, 167, 15-31.	5.7	61
39	Synthesis of Well-Defined PVDF-Based Amphiphilic Block Copolymer via Iodine Transfer Polymerization for Antifouling Membrane Application. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8689-8697.	1.8	18
40	Hydrophilic and anti-fouling PVDF blend ultrafiltration membranes using polyacryloylmorpholine-based triblock copolymers as amphiphilic modifiers. <i>Reactive and Functional Polymers</i> , 2019, 139, 92-101.	2.0	39
41	Poly(vinylidene fluoride)-based complex macromolecular architectures: From synthesis to properties and applications. <i>Progress in Polymer Science</i> , 2020, 104, 101231.	11.8	40
42	Antimicrobial Applications. , 0, , 315-329.		1
43	Aggregation behavior of the strong amphiphilic cationic diblock polyelectrolytes at the air/water interface. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	3