

Surface-Initiated Controlled Radical Polymerization: Status and Challenges in Surface and Interface Engineering with Polymers

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Dynamic Nuclear Polarization Signal Amplification as a Sensitive Probe for Specific Functionalization of Complex Paper Substrates. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3896-3903.	3.1	27
2	Drug releasing nanoplatforms activated by alternating magnetic fields. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1617-1641.	2.4	84
3	Hierarchical Porous Carbon Doped with Iron/Nitrogen/Sulfur for Efficient Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20963-20973.	8.0	103
4	A Fatty Acid-Inspired Tetherable Initiator for Surface-Initiated Atom Transfer Radical Polymerization. <i>Chemistry of Materials</i> , 2017, 29, 4963-4969.	6.7	55
5	Photoactive Surface-Graded Polymer Brushes with Phthalocyanine Bridging Groups as an Advanced Architecture for Light-Harvesting. <i>Chemistry - A European Journal</i> , 2017, 23, 11239-11243.	3.3	11
6	SaBOX/Copper Catalysts for Highly Syndio-Specific Atom Transfer Radical Polymerization of Methyl Methacrylate. <i>ACS Catalysis</i> , 2017, 7, 4692-4696.	11.2	29
7	Polymer brush decorated nanoparticles immobilised on polymer monoliths for enhanced biopolymer elution. <i>RSC Advances</i> , 2017, 7, 19976-19981.	3.6	4
8	“Mobile”-polymer brushes with self-adjusting tethering density “ A theoretical treatment of thermodynamically stable single crystals of amorphous-crystalline diblock copolymers in various solvents. <i>Polymer</i> , 2017, 116, 334-341.	3.8	5
9	2D and 3D surface photopatterning via laser-promoted homopolymerization of a perfluorophenyl azide-substituted BODIPY. <i>Nanoscale</i> , 2017, 9, 16908-16914.	5.6	5
10	Bottle-Brush Brushes: Surface-Initiated Rare Earth Metal Mediated Group Transfer Polymerization from a Poly(3-((2,6-dimethylpyridin-4-yl)oxy)propyl methacrylate) Backbone. <i>Macromolecules</i> , 2017, 50, 8456-8463.	4.8	13
11	Controlling Enzymatic Polymerization from Surfaces with Switchable Bioaffinity. <i>Biomacromolecules</i> , 2017, 18, 4261-4270.	5.4	31
12	Self-assembly in densely grafted macromolecules with amphiphilic monomer units: diagram of states. <i>Soft Matter</i> , 2017, 13, 8525-8533.	2.7	13
13	Preparation and evaluation of surface-grafted block copolymers and random copolymers via surface-initiated atom transfer radical polymerization for hydrophilic/ion-exchange stationary phases. <i>RSC Advances</i> , 2017, 7, 46812-46822.	3.6	5
14	Smart Antibacterial Surfaces with Switchable Bacteria-Killing and Bacteria-Releasing Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37511-37523.	8.0	308
15	Metal nanoarchitecture fabrication using DNA as a biotemplate. <i>Polymer Journal</i> , 2017, 49, 815-824.	2.7	16
16	Smart pH-Responsive Polymer-Tethered and Pd NP-Loaded NMOF as the Pickering Interfacial Catalyst for One-Pot Cascade Biphasic Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36438-36446.	8.0	76
17	Growth of polymer brushes by “grafting from” via ATRP “ Monte Carlo simulations. <i>Polymer</i> , 2017, 130, 267-279.	3.8	27
18	Enhanced Stability of Surface-Tethered Diblock Copolymer Brushes with a Neutral Polymer Block and a Weak Polyelectrolyte Block: Effects of Molecular Weight and Hydrophobicity of the Neutral Block. <i>Macromolecules</i> , 2017, 50, 8580-8587.	4.8	21

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20	Monomer Protonation-Dependent Surface Polymerization to Achieve One-Step Grafting Cross-Linked Poly(4-vinylpyridine) Onto Core-Shell Fe ₃ O ₄ @SiO ₂ Nanoparticles. Macromolecular Rapid Communications, 2017, 38, 1700494.	3.9	8
21	Photoactivated Structurally Tailored and Engineered Macromolecular (STEM) gels as precursors for materials with spatially differentiated mechanical properties. Polymer, 2017, 126, 224-230.	3.8	28
22	Development of an indicator for the direct visualization of radical intermediates in organic reactions. Chemical Communications, 2017, 53, 11225-11228.	4.1	10
23	The grafting density and thickness of polythiophene-based brushes determine the orientation, conjugation length and stability of the grafted chains. Polymer Chemistry, 2017, 8, 6250-6262.	3.9	28
24	Modulation of Surface-Initiated ATRP by Confinement: Mechanism and Applications. Macromolecules, 2017, 50, 5711-5718.	4.8	21
25	Solvent-Selective Reactions of Alkyl Iodide with Sodium Azide for Radical Generation and Azide Substitution and Their Application to One-Pot Synthesis of Chain-End-Functionalized Polymers. Journal of the American Chemical Society, 2017, 139, 10551-10560.	13.7	69
26	Cellulose Nanocrystals with Tethered Polymer Chains: Chemically Patchy versus Uniform Decoration. ACS Macro Letters, 2017, 6, 892-897.	4.8	47
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35	Optimisation of Surface-Initiated Photoiniferter-Mediated Polymerisation under Confinement, and the Formation of Block Copolymers in Mesoporous Films. Polymers, 2017, 9, 539.	4.5	23
36	Reversible Surface Engineering via Nitron-Mediated Radical Coupling. Langmuir, 2018, 34, 3244-3255.	3.5	3
37	Polymer on Top: Current Limits and Future Perspectives of Quantitatively Evaluating Surface Grafting. Advanced Materials, 2018, 30, e1706321.	21.0	70

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38	Coassembly of Linear Diblock Copolymer Chains and Homopolymer Brushes on Silica Particles: A Combined Computer Simulation and Experimental Study. <i>Macromolecules</i> , 2018, 51, 1894-1904.	4.8	30
39	Facile synthesis of optically active helical poly(phenyl isocyanide) brushes on a silicon surface and their chiral resolution ability. <i>Polymer Chemistry</i> , 2018, 9, 1379-1384.	3.9	5
40	Microsphere-to-nanotube transition via <i>in situ</i> sonication triggered in a supramolecular self-assembly system based on triphenylamine derivative. <i>Supramolecular Chemistry</i> , 2018, 30, 674-680.	1.2	3
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42	Near-infrared light-triggered drug release from UV-responsive diblock copolymer-coated upconversion nanoparticles with high monodispersity. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3531-3540.	5.8	80
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45	Multilayer affinity adsorption of albumin on polymer brushes modified membranes in a continuous-flow system. <i>Journal of Chromatography A</i> , 2018, 1538, 94-103.	3.7	8
46	Strategic Advances in Formation of Cell-Inshell Structures: From Syntheses to Applications. <i>Advanced Materials</i> , 2018, 30, e1706063.	21.0	102
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49	From neutral to zwitterionic poly(α -amino acid) nonfouling surfaces: Effects of helical conformation and anchoring orientation. <i>Biomaterials</i> , 2018, 178, 728-737.	11.4	57
50	Phototriggered Growth and Detachment of Polymer Brushes with Wavelength Selectivity. <i>ACS Macro Letters</i> , 2018, 7, 239-243.	4.8	19
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81	Laccase-Mediated Grafting on Biopolymers and Synthetic Polymers: A Critical Review. ChemBioChem, 2018, 19, 288-311.	2.6	64
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86	Facile Fabrication of Concentrated Polymer Brushes with Complex Patterning by Photocontrolled Organocatalyzed Living Radical Polymerization. Angewandte Chemie, 2018, 130, 13692-13696.	2.0	6
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125	Surface-initiated RAFT polymerization from vapor-based polymer coatings. <i>Polymer</i> , 2018, 150, 26-34.	3.8	10
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