

Stephen G Boyes

List of Publications by Citations

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36
papers

1,676
citations

17
h-index

37
g-index

37
ext. papers

1,775
ext. citations

5.1
avg, IF

4.5
L-index

#	Paper	IF	Citations
36	Polymer-modified gadolinium metal-organic framework nanoparticles used as multifunctional nanomedicines for the targeted imaging and treatment of cancer. <i>Biomacromolecules</i> , 2009 , 10, 983-93	6.9	232
35	Synthesis, Characterization, and Properties of ABA Type Triblock Copolymer Brushes of Styrene and Methyl Acrylate Prepared by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2002 , 35, 4960-4967	5.5	142
34	Polymer brushes on surface immobilized polymers. <i>Surface Science</i> , 2004 , 570, 1-12	1.8	127
33	Synthesis and Characterization of Stimuli-Responsive Semifluorinated Polymer Brushes Prepared by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2004 , 37, 2790-2796	5.5	117
32	Tuning the magnetic resonance imaging properties of positive contrast agent nanoparticles by surface modification with RAFT polymers. <i>Langmuir</i> , 2009 , 25, 9487-99	4	106
31	Synthesis, Characterization, and Properties of Polyelectrolyte Block Copolymer Brushes Prepared by Atom Transfer Radical Polymerization and Their Use in the Synthesis of Metal Nanoparticles. <i>Macromolecules</i> , 2003 , 36, 9539-9548	5.5	104
30	Surface Modification of Gold Nanorods with Polymers Synthesized by Reversible Addition Fragmentation Chain Transfer Polymerization. <i>Chemistry of Materials</i> , 2007 , 19, 6-13	9.6	101
29	Stimuli-responsive polyelectrolyte polymer brushes prepared via atom-transfer radical polymerization. <i>Langmuir</i> , 2007 , 23, 182-9	4	92
28	A Facile Route to Poly(acrylic acid) Brushes Using Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2006 , 39, 26-29	5.5	90
27	Synthesis of Surface Initiated Diblock Copolymer Brushes from Flat Silicon Substrates Utilizing the RAFT Polymerization Technique. <i>Macromolecules</i> , 2007 , 40, 879-888	5.5	84
26	Synthesis of gadolinium nanoscale metal-organic framework with hydrotropes: manipulation of particle size and magnetic resonance imaging capability. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1502-10	9.5	83
25	Synthesis of Surface-Initiated Stimuli-Responsive Diblock Copolymer Brushes Utilizing a Combination of ATRP and RAFT Polymerization Techniques. <i>Macromolecules</i> , 2008 , 41, 4147-4157	5.5	82
24	Surface Rearrangement of Diblock Copolymer Brushes to Stimuli Responsive Films		65
23	Poly(acrylic acid) Bridged Gadolinium Metal-Organic Framework-Gold Nanoparticle Composites as Contrast Agents for Computed Tomography and Magnetic Resonance Bimodal Imaging. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 17765-75	9.5	64
22	Thermoresponsive Behavior of Semifluorinated Polymer Brushes. <i>Macromolecules</i> , 2005 , 38, 3263-3270	5.5	54
21	Surface Modification of Gd Nanoparticles with pH-Responsive Block Copolymers for Use As Smart MRI Contrast Agents. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5040-50	9.5	29
20	Thermorheological properties near the glass transition of oligomeric poly(methyl methacrylate) blended with acrylic polyhedral oligomeric silsesquioxane nanocages. <i>Rheologica Acta</i> , 2006 , 45, 971-981	2.3	19

19	Radiation chemistry of the branched-chain monoamide di-2-ethylhexyl-isobutyramide. <i>Solvent Extraction and Ion Exchange</i> , 2017 , 35, 480-495	2.5	13
18	Synthesis of tertiary amine-based pH-responsive polymers by RAFT Polymerization. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 1010-1022	2.5	13
17	pH-responsive polymers for imaging acidic biological environments in tumors. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013 , 51, 1062-1067	2.6	12
16	Surface-Initiated Chain Growth Polyamid Brushes. <i>Macromolecules</i> , 2015 , 48, 4269-4280	5.5	10
15	New methods in polymer brush synthesis: Non-vinyl-based semiflexible and rigid-rod polymer brushes. <i>Progress in Polymer Science</i> , 2021 , 114, 101361	29.6	8
14	Assessment of monoamide extractants and solid supports as new extraction chromatographic materials. <i>Separation and Purification Technology</i> , 2016 , 163, 352-356	8.3	7
13	Gold nanorods surface modified with poly(acrylic acid) as a template for the synthesis of metallic nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 915-930	2.3	7
12	POLYMER-MODIFIED GADOLINIUM NANOPARTICLES FOR TARGETED MAGNETIC RESONANCE IMAGING AND THERAPY. <i>Nano LIFE</i> , 2010 , 01, 263-275	0.9	3
11	Surface Modification of Positive Contrast Nanoparticle Agents with RAFT Polymers Towards the Targeted Imaging and Treatment of Cancer. <i>ACS Symposium Series</i> , 2010 , 65-101	0.4	2
10	Synthesis and Application of Polyelectrolyte Brushes. <i>ACS Symposium Series</i> , 2005 , 55-67	0.4	2
9	RAFT polymerization kinetics and polymer characterization of P3HT rod-coil block copolymers. <i>Journal of Polymer Science Part A</i> , 2014 , 52, n/a-n/a	2.5	1
8	Polymer-Modified Nanoparticles as Targeted MR Imaging Agents. <i>Nanostructure Science and Technology</i> , 2012 , 173-198	0.9	1
7	Recent Advances in the Synthesis and Rearrangement of Block Copolymer Brushes 2005 , 151-165		1
6	Direct esterification of a hydroxyl functional polyester resin with p-hydroxybenzoic acid. <i>Progress in Organic Coatings</i> , 2000 , 39, 137-143	4.8	1
5	Chain-growth polycondensation via the substituent effect: Investigation of the monomer structure on synthesis of poly(N-octyl-benzamide). <i>Journal of Polymer Science</i> , 2020 , 58, 2389-2406	2.4	1
4	Chain-growth polycondensation via the substituent effect: Investigation in to the role of initiator and base on the synthesis of poly(N-octyl benzamide). <i>Journal of Polymer Science</i> , 2020 , 58, 2407-2422	2.4	1
3	Synthesis of amphiphilic block copolymers via ring opening polymerization and reversible addition-fragmentation chain transfer polymerization. <i>Journal of Polymer Science</i> , 2021 , 59, 43-58	2.4	1
2	Aromatic Polyamide Brushes for High Young's Modulus Surfaces by Surface-Initiated Chain-Growth Condensation Polymerization. <i>Macromolecules</i> , 2022 , 55, 2051-2066	5.5	1

- 1 Direct esterification of a hydroxyl functional polyester resin with p-hydroxybenzoic acid: Part B: coating preparation and evaluation. *Progress in Organic Coatings*, **2000**, 39, 145-150 4.8